

WELCOME TO EU GLASS INDUSTRIES NEWS



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INTERNAL NEWS

GAE Secretariat General

New Secretary-General for 2019

Succeeding to Bertrand CAZES, Secretary-General of *Glass for Europe* (the trade association of Europe's flat glass sector), **Mrs. Adeline FARRELLY**, Secretary-General of **FEVE (European Container Glass Association)**, will be in charge of **managing Glass Alliance Europe in 2019**.



The 2019 annual work programme takes into account the Business Plan for 2016-2019 and also includes a new internal functioning to help and better support our volunteers working on GAE issues. The main objective remains to maintain the ambition, the vehicle and the means for future activities in the fields of climate change and public affairs if desired by the membership.

The fundamental objectives of the adjusted functioning are to ensure that Glass Alliance Europe continues to deliver added-value to all its members and to promote the glass industry's interests at EU level. By providing more support and resources, the new modus operandi aims at a more fluid circulation of information, enhanced team work and at creating the conditions for a thriving dialogue between experts.

In the end, it is only thanks to the extraordinary contributions of volunteers to the organisation that Glass Alliance Europe can operate hence the importance of the adjusted functioning to support and motivate glass stakeholders to deliver on all proposed areas for action.

In terms of environmental dossiers, focus in 2019 will be as follows:

- ✓ ETS post 2020 / Climate Change: revised EU legislation
- ✓ Long-term decarbonisation
- ✓ Food contact: revised Ceramics Directive, ISO TC166, EURL work, specific concerns
- ✓ REACH: continued monitoring of new substances proposed for classification and defence of raw materials as intermediates.
- ✓ Industrial Emissions, incl. Air quality policies (NEC), IED, Glass BREF revision.
- ✓ Chemicals at Work: revision of the CMD – Carcinogens and Mutagens Directive - and of the CAD – Chemicals at the Workplace Directive.
- ✓ Circular Economy
- ✓ Non-Toxic Environment
- ✓ Water

21612/GAE News – 2019.01.04

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EU COMMUNITY NEWS

NEW EU LEGISLATION

Council & Parliament Directive

N° (EU) 2018/2002 of 11 December 2018

This Directive is amending Directive 2012/27/EU on energy efficiency.

The need for the Union to achieve its energy efficiency targets at Union level, expressed in primary and/or final energy consumption, should be clearly set out in the form of a target of at least 32,5 % for 2030. Projections made in 2007 showed a primary energy consumption in 2030 of 1 887 Mtoe and a final energy consumption of 1 416 Mtoe. A 32,5 % reduction results in 1 273 Mtoe and 956 Mtoe in 2030 respectively. That target, which is of the same nature as the Union's 2020 target, should be assessed by the Commission for the purpose of revising it upwards by 2023 in the case of substantial cost reductions or, where needed, to meet the Union's international commitments for decarbonisation.

There are no binding targets at Member State level in the 2020 and 2030 perspectives, and the freedom of Member States to set their national contributions based either on primary or final energy consumption or primary or final energy savings, or on energy intensity, should continue not to be restricted. Member States should set their national indicative energy efficiency contributions taking into account that the Union's 2030 energy consumption has to be no more than 1 273 Mtoe of primary energy and/or no more than 956 Mtoe of final energy. This means that primary energy consumption in the Union should be reduced by 26 %, and final energy consumption should be reduced by 20 % compared to the 2005 levels. A regular evaluation of progress towards the achievement of the Union's 2030 targets is necessary and is provided for in Regulation (EU) 2018/1999 of the European Parliament and of the Council

In view of the climate and energy framework for 2030, the energy savings obligation established by Directive 2012/27/EU should be extended beyond 2020. That extension would create greater stability for investors and thus encourage long-term investments and long-term energy efficiency measures, such as the deep renovation of buildings with the long-term objective of facilitating the cost-effective transformation of existing buildings into NZEBs. The energy savings obligation has an important role in the creation of local growth and jobs, and should be maintained to ensure that the Union can achieve its energy and climate objectives by creating further opportunities and to break the link between energy consumption and growth. Cooperation with the private sector is important to assess the conditions on which private investment for energy efficiency projects can be unlocked and to develop new revenue models for innovation in the field of energy efficiency.

Energy efficiency improvement measures also have a positive impact on air quality, as more energy efficient buildings contribute to reducing the demand for heating fuels, including solid heating fuels. Energy efficiency measures therefore contribute to improving indoor and outdoor air quality and help achieve, in a cost-effective manner, the objectives of the Union's air quality policy.

Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive by 25 June 2020.

They shall immediately communicate the text of those measures and of the main provisions of national law covering the fields of the Directive to the Commission.

All details on page 210 at:

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=OJ:L:2018:328:TOC>

21614/O.J. L328 – 2018.12.21

Council & Parliament Regulation

N° (EU) 2018/1999 of 11 December 2018

This Regulation on the **Governance of the Energy Union and Climate Action** is amending

- Regulations (EC) No 663/2009 and (EC) No 715/2009,
- Directives 94/22/EC, 98/70/EC, 2009/31/EC, 2009/73/EC, 2010/31/EU, 2012/27/EU and 2013/30/EU,
- Council Directives 2009/119/EC and (EU) 2015/652
- and is repealing Regulation (EU) No 525/2013.

All details on page 1 at:

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=OJ:L:2018:328:TOC>

21615/O.J. L328 – 2018.12.21

Commission Regulations

N° (EU) 2018/2066 of 19 December 2018

This Regulation lays down rules for the **monitoring and reporting of greenhouse gas emissions** and activity data pursuant to Directive 2003/87/EC in the trading period of the Union emissions trading system (ETS) **commencing on 1st January 2021** and subsequent trading periods.

All details on page 1:

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=OJ:L:2018:334:TOC>

21616/O.J. L334 – 2018.12.31

N° (EU) 2018/2026 of 19 December 2018

This Regulation amends Annex IV to Regulation (EC) No 1221/2009 of the European Parliament and of the Council on the voluntary participation by organisations in a Community **eco-management and audit scheme (EMAS)**.

An eco-management and audit scheme (EMAS) has been established under Regulation (EC) No 1221/2009. The objective of EMAS is to promote continuous improvements in the environmental performance of organisations by the establishment and implementation of environmental management systems by organisations, evaluation of the performance of such systems, provision of information on environmental performance, an open dialogue with the public and other interested parties and the active involvement of employees. To achieve this objective, Annexes I to IV to that Regulation set out specific requirements to be observed by those organisations wishing to participate in EMAS and obtain EMAS registration.

Annex IV to Regulation (EC) No 1221/2009 sets out the **requirements on environmental reporting**. That Annex has been amended to address improvements identified in the light of experience gained in the operation of EMAS. Given the number and nature of these amendments, it is appropriate to replace Annex IV in its entirety in the interests of clarity.

All details on the new annex IV on page 18 at:

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=OJ:L:2018:325:TOC>

21617/O.J. L325 – 2018.12.20

TRADE POLICY

EU/Japan

Finalisation of ratification procedure for EU-Japan Free Trade Agreement

The Council of Ministers announced on 20 December 2018 that the last step in the ratification procedure of the Economic Partnership Agreement between the European Union and Japan had been completed, as the Council had adopted the decision to conclude the 'JEFTA'. The European Parliament gave its approval to the agreement by a large majority on 13 December last and the Japanese Diet also approved the agreement, both parties should formally notify each other of the finalisation of ratification procedures. **The date of entry into force of the agreement has been confirmed for 1st February 2019.**

21618/Press Release – 2018.12.20

Washington Trade Negotiation Objectives At Odds with European Ambitions

The United States Trade Representative (USTR) published on January 11 a 15-page summary of ambitious “*specific negotiating objectives*” of the United States with the European Union. Despite European warnings, agriculture is one of the subjects although it was *a priori* excluded by the EU.

Under the *Trade Promotion Authority* (TPA) procedure, this publication, for the Congress, opens a period of 30 days before the start of formal trade negotiations.

In addition to the gap between US and European ambitions revealed by the document, it also reflects the magnitude of what could best be understood as a transatlantic misunderstanding.

Since the July summit between the two presidents, the EU had been sticking to the prospect of a limited agreement on industrial goods. Washington proposes here a broad trade agreement, a replica of the TTIP, including not only industrial goods, but also, among other things, agriculture or cross-border data flows.

The text opens with the need, perceived by the United States, to rebalance a transatlantic trade that reaches more than a trillion dollars, but whose balance is in favour of the EU, because, the text says, of the “*multiple tariff and non-tariff barriers*” in Europe. Hence the need for the Trump administration to rebalance this relationship.

Among other areas of negotiation, the document puts forward some elements that are particularly controversial in the EU:

Next to problems regarding Agriculture and Sanitary & Phytosanitary Measures, **Environment** also causes trouble: If a paragraph is devoted to it, the text omits, not surprisingly, any reference to climate. Several European chancelleries, in particular Paris, had warned that no new agreement could be signed in the absence of specific references to this issue.

The summary also contains a section on digital trade and cross-border data flows, a very sensitive subject on the European side, and a section on trade in services, including telecommunications and financial services.

Last but not least, the text calls for better regulatory cooperation between the two entities in several sections (industrial products, agriculture, etc.).

Washington defends its Israeli ally. The summary also highlights US requirements regarding European policy towards Israel. One of the objectives of the negotiations is to “*seek the elimination of politically motivated non-tariff barriers on Israeli goods, services or other trade for political purposes*”. Washington also wants to discourage “*politically motivated actions to boycott, divest from and sanction Israel*”. The EU-Israel Association Agreement does not apply to settlements and the European Commission adopted, in November 2015, non-binding guidelines for products from Israeli settlements

EU Negotiating Mandates with the USA on Industrial Products and Conformity Assessment

The Commission submitted the negotiating mandates with the United States to the EU Council on 18 January. This is part of what the European Commission calls a “*positive agenda*” with the United States. The launch of this new phase of transatlantic trade relations aims to facilitate trade, while avoiding an escalation of trade tensions. Any US sanctions would cancel out the benefits, the Commission warns.

The European Commission has submitted two recommendations to the Member States, one on the elimination of customs duties on industrial products and the other on conformity assessment.

A mandate for a “limited” agreement on industrial goods

According to the text of the recommendation, the abolition of these duties, which currently stand at 4.2% on the European side and 3.1% on the American side, should lead to an increase in exports of 10% of European products and 13% of American products. The objective is to achieve a “*substantial*” elimination of customs duties as soon as the agreement enters into force and a gradual elimination of these duties “*within a short period of time*”, taking into account the sensitive nature of certain products, including cars, on the United States side. With regard to rules of origin, “*negotiations should aim to reconcile approaches [...] including procedures of origin*”.

A mandate on conformity assessment

This recommendation proposes the negotiation of an international agreement allowing conformity assessment bodies, not established on European territory, to certify the conformity of products with EU laws. According to the Commission, it would reduce conformity assessment costs for economic operators on both sides of the Atlantic by eliminating the duplication of testing, inspection and certification requirements, thereby facilitating access to the respective markets. Only machines and electrical and electronic sectors are explicitly mentioned in the text. The Commission particularly emphasises the expected benefits for small and medium-sized enterprises.

The Commission also points out that this mandate is part of “*a broader set of actions to improve cooperation [...] on regulatory issues and on the use of standards in support of regulations*”. Stakeholders will soon be consulted.

A “positive” agenda – which would not survive the negative Washington agenda

However, the Commission warns in its mandates that negotiations will be suspended if Washington were to adopt any new form of sanctions against the European Union – under Section 232, on vehicle imports, but also under Section 301, on intellectual property, or any other similar US law.

In addition, Trade Commissioner Cecilia Malmström confirmed this to the press the same day: in the event of new customs duties, this time on cars, the Commission will impose new and more important rebalancing measures.

Finally, “*prior to the conclusion of negotiations, the Commission will confirm that the United States has removed any measures on exports of steel and aluminium*”, says the recommendation text.

Many outstanding questions

First of all, nothing is less certain that negotiations excluding agriculture would be accepted on the other side of the Atlantic. While Ms Malmström recalled that the EU was sticking to the strategy approved by the presidents on 26 July, the summary of negotiating objectives published by Washington on 12 January announced something completely different about US intentions (*see previous article*).

The outlines of the American strategy could very quickly be clarified, and can be summed up as a “agriculture vs cars” bargain. The results of the survey under Section 232 on cars are expected by the end of February at the latest. If new tariff sanctions were to be considered, the US President might be tempted to put them on the balance in order to force the EU to review its negotiating objectives.

In addition, after the opposition and heated debates over the TAFTA/TTIP, and on the eve of the European elections, will European chancelleries be ready to validate mandates for *quick and dirty* agreements, i.e. those that do not contain any reference to the ‘sustainable’ agenda of the recent free trade agreements negotiated by the Commission? As “*limited*” as it is, the agreement on industrial products covers a growing market of €600 billion and represents nearly 95% of European trade with the United States (94% of EU exports and 95% of imports).

To consult the documents:

Conformity assessment:

the Recommendation:

http://trade.ec.europa.eu/doclib/docs/2019/january/tradoc_157627.pdf

Guidelines: http://trade.ec.europa.eu/doclib/docs/2019/january/tradoc_157629.pdf

Elimination of industrial tariffs:

the Recommendation:

http://trade.ec.europa.eu/doclib/docs/2019/january/tradoc_157628.pdf

Guidelines: http://trade.ec.europa.eu/doclib/docs/2019/january/tradoc_157630.pdf

21620/Press Release – 2019.01.18

ENVIRONMENT & ENERGY

OSLO: European Green Capital 2019

Oslo is officially the European Green Capital 2019. It took over the torch from the city of Nijmegen (Netherlands) on 4 January, the day when the European Commissioner for the Environment, Karmenu Vella, presented the title to the city's mayor, Raymond Johansen. Throughout the year, Oslo, which has been chosen for its holistic approach to sustainable development, will be the ambassador for sustainable urban development and will work to share and promote best practices to inspire and create a ripple effect in Europe.

The Commissioner pointed out that Oslo had distinguished itself by its "strides in transitioning to a society free of fossil fuel emissions". Mr Johansen said Oslo would use this year to "spread knowledge, inspire and mobilise citizens and businesses to make more environmentally friendly choices" and for the full respect of the climate.

21621/Press Release – 2019.01.07

Future Strategy for Decarbonising the Economy by 2050

The EU ministers responsible for energy policies have broadly supported the communication on the EU's future strategy for decarbonising the economy by 2050.

The European Commissioner for Climate Action and Energy, Miguel Arias Cañete, reminded ministers that the future strategy for 2050 must be presented to the UN by 2020, as required by all parties to the Paris Climate Agreement.

The Commissioner, who was presenting this communication to energy ministers for the first time, noted "*broad support from Member States for ambitious climate policies in the future*".

Member States have given a very positive response to the strategy for decarbonising the economy, noted the Austrian Presidency of the Council.

A number of ministers reiterated the need to respect the targets in the Paris Climate Agreement, to continue efforts to limit temperature increases to 1.5 °C, and to make the case for measures that ensure that the European economy is climate-neutral by 2050.

Some countries, including Luxembourg, opposed the Commission's scenarios envisaging a larger share for nuclear energy by 2050.

Divergence on gas. The Austrian Presidency briefed Ministers on the progress of revision of the 2009 gas directive. The proposal dates from November 2017 and the Council has not adopted its position.

Last week, the Austrian Presidency presented a compromise text on the gas directive and noted that the positions of the EU countries diverge greatly, particularly on the issue of the transfer of powers from the Member States to Community level.

Denmark believed that the compromise text that was presented "*does not reflect the balance within the Council*".

Poland believed that discussions were necessary at a political level, "*if we want this negotiating mandate*" at the beginning of 2019.

Germany mentioned the different sources of supply. Negotiations between Russia and Ukraine must be able to move forward, the German representative said. "*Transit through Ukraine must be guaranteed,*" said Germany, who believes that the proposed text is unbalanced and impacts on the powers of Member States.

The Netherlands expressed doubts about the proposed text and the requested transfer of powers.

Slovakia and Poland both emphasised Ukrainian gas supplies.

Latvia and Italy hoped that a compromise could be reached before the May 2019 elections. Luxembourg lamented the differences between Eastern and Western Europe on this issue.

The discussion also highlighted that Central and Eastern European countries want national and regional specificities and the freedom of choice of the energy mix to be taken into account, while the most ambitious countries stressed the importance of focusing on the only zero net emissions scenario by 2050.

They all stressed the need to ensure a transition that is socially just. Member States also want to give themselves time to reflect on the complementarity between this vision of a future EU strategy and national strategies.

The incoming Romanian Presidency will have the task of reconciling the positions of the Member States on the gas directive.

21622/Press Release – 2018.12.19

Parliament and Council Disagree on Recast of Persistent Organic Pollutants Regulation

Negotiators from the European Parliament and the EU Council, assisted by the Commission, failed to reach agreement on Tuesday 18 December in Brussels on the proposal to recast the EU regulation on persistent organic pollutants (POPs), chemicals that are extremely harmful to human health used in agriculture and industry.

The purpose of the recast is to align the Regulation with the Lisbon Treaty and the 2015 and 2017 amendments to the Stockholm Convention to eliminate the production, use and export of POPs. It also provides for the transfer of certain tasks from the Commission to the European Chemicals Agency (ECHA).

The trilogue negotiating meeting, which the Austrian Presidency hoped could be concluded, came up against comitology rules. *"It didn't fall that far short. The failure is due to questions of 'internal matters',"* according to a diplomatic source.

Indeed, it is impossible for negotiators to agree on the nature of the procedure to be chosen - delegated or implementing acts - to amend this legislation and its annexes in the future with a view to adding substances or amending the maximum permitted concentration limits.

On Wednesday, no one yet knew whether the file would be forwarded to the future Romanian Presidency of the Council or whether a final attempt at agreement would still take place under the outgoing Austrian Presidency. There may not be time for the latter.

21623/Press Release – 2018.12.19

Revision of the Drinking Water Directive

More work needs to be done for a general approach of Council in June 2019 on the revision of the Drinking Water Directive.

Work resumed on 14 January this year in the EU Council's Environment Working Group on the **update of the 1998 Drinking Water Directive**, proposed by the Commission in February 2018 to ensure safe and accessible tap water for all in the EU, in response to the *Right2water* Citizens' Initiative.

The experts from the Member States are not close to finishing their work to enable the Council to reach a general approach next June, as the Romanian Presidency hopes. Technical work has been intense since the first orientation debate held by the European Environment Ministers in June 2018 under the Bulgarian Presidency.

One of main remaining problems concerns the degree of harmonisation of materials and products that come into contact with water (such as pipes) - an issue for which the Romanian Presidency is trying to bring delegations together around a modified compromise.

Discussions on this subject have accelerated since 19 November, under the Austrian Presidency, on the basis of a proposal by France and supported by ten Member States, to extend the scope of Article 10A to regulate all materials in contact with water from capture to tap, through water treatment, storage and distribution.

The objective is to ensure standard protection of health and the function of the interior market. The French document on which the compromise proposal is based emphasises the nature of the materials that can have an impact on water quality and cites the leaching of toxic substances, enhancement of microbial growth, influence on the odour, colour or taste of water.

Another thorny issue is the need to amend the Directive, given that the risks of salmonella are higher for hot water than for cold tap water, whereas at present the risk is only measured for cold water.

The Romanian Presidency attaches great importance to the issue of water. The proposal for a regulation on water reuse in agriculture will be the subject of a political debate on 5 March at the Environment Council.

21624/Press Release – 2019.01.14

SOCIAL ISSUES

EU Agreement on Third Revision of Directive on Protection Against Carcinogens or Mutagens at Work (CMD)

The EU's co-legislators - Parliament and Council - reached agreement on the third revision of the Directive on the protection of workers from the risks related to exposure to carcinogens and mutagens at work (CMD) on 29 January.

"Today's agreement on the Commission's third proposal will improve the working conditions of more than one million workers in the EU and prevent more than 22,000 cases of work-related diseases", said Employment and Social Affairs Commissioner Marianne Thyssen at the agreement.

The agreement will provide better protection for workers in sectors such as nickel-cadmium battery production, zinc and copper smelting operations, laboratories, electronics, funerals and embalming, construction, healthcare, plastics and recycling, the Commissioner explained.

The directive makes it possible to reduce occupational exposure to five carcinogenic chemical agents: cadmium, beryllium, arsenic acid, formaldehyde and 4,4'-Methylenebis. The co-legislators have introduced several transitional periods for implementation from the date of entry into force of the directive: 8 years for cadmium, 7 years for beryllium, 4 years for arsenic acid.

For formaldehyde, no transitional period has been introduced, except for the health and funeral and body embalming sectors, which includes a period of 5 years, with a transitional limit value of 0.5 ppm, compared to 0.3 ppm in the initial proposal.

Dermal sensitisation (skin monitoring for formaldehyde, and skin and respiratory monitoring for beryllium) has been incorporated into the directive, with the addition of a recital providing for the possible future integration of new substances. This point will be reworked at a final technical meeting on January 31. In addition, the European Commission is invited by the co-legislators to carry out an evaluation on cytotoxic medicines (chemotherapy) in mid-2020. If necessary, if the evaluation requires it, the Commission will have to amend the Directive again to introduce limit values for these substances as well.

As regards cadmium, the political agreement ensures that Member States already carrying out biomonitoring (urine testing) for this substance can continue to do so during the transitional period. On this point, the co-legislators are requesting an evaluation from the European Commission within three years of entry into force, to determine the need to combine biological levels with levels in the air. The agreement provides in its recitals for the need to provide financial assistance to SMEs and microenterprises to comply with the new requirements of the directive. In addition, the co-legislators have included an explicit reference to the classification issued by the International Agency for Research on Cancer (IARC), a World Health Organisation (WHO) agency.

The text must now be discussed in the Parliament and the Council before its final adoption and publication in the Official Journal of the European Union.

21625/Press Release – 2019.01.29

Inter-Institutional Negotiations for Regulation on Coordination of Social Security Systems

The European Parliament and the Council are preparing have launched negotiations on the revision of the Regulation on the coordination of social security systems (Regulation 883/2004) on 15 January, in the margins of the plenary session in Strasbourg. The negotiations will be conducted at a brisk pace, as there are so many subjects to discuss and the time allocated to complete the legislative file is short.

However, some hope to be able to complete negotiations before the European elections. For the time being, the dates of the interinstitutional meetings are 31 January, 13 February, 21 February and 26 February.

There will be no shortage of topics to be discussed, as the positions of the Parliament and the Council differ on certain points, starting with issues relating to unemployment benefits.

Thus, over the minimum working period in a Member State necessary to total benefit entitlements, the Council set the trigger threshold at 1 month, where the European Parliament decided to set it from the first working day.

As for the export of unemployment benefit rights when a job seeker moves to another Member State, the period was set at 3 months by the Council, compared with 6 months on the Parliament side.

Negotiations on the applicable legislation should also be particularly sensitive on the issue of frontier workers. The Council has set three months as the period from which responsibility for paying social benefits changes to the Member State where the frontier worker pays his contributions, where the European Parliament leaves it to the job seeker to determine which Member State is responsible for paying contributions and monitoring his job search - a proposal that the Council strongly dislikes.

In addition, the Council has introduced a specific implementation period of 7 years for the very specific case of Luxembourg, which the European Parliament has not provided for.

The Parliament's proposal for a financial deposit mechanism in the event of a delay by the competent authorities of the Member State of affiliation in forwarding the necessary documents to the authorities of the host Member State of a sent worker, or the maximum period of posting (set at 24 months on the Council side against 18 months on the Parliament side), should also give negotiators some difficulty.

21626/Press Release – 2019.01.14

Unemployment Rates

The euro area seasonally-adjusted unemployment rate was **7.9%** in **November 2018**, down from 8.0% in October 2018. This remains the lowest rate recorded in the euro area since October 2008. The EU-28 unemployment rate was **6.7%** in November 2018, stable compared with October 2018. This is also the lowest rate recorded in the EU28 since January 2000.

Eurostat estimates that 16.491 million people in the EU28 were unemployed in November 2018, a decrease by 107,000 in the EU28 and increased by 90,000 in the euro area compared with October 2018.

Czechia	1.9%	Bulgaria	5.4%
Germany	3.3%	Belgium	5.6%
Netherlands	3.5%	Slovakia	6.0%
Hungary (Oct.)	3.7%	Lithuania	6.2%
Malta	3.7%	Sweden	6.2%
Poland	3.8%	Portugal	6.6%
Romania	3.9%	Latvia	7.0%
UK (Sept.)	4.1%	Finland	7.1%
Austria	4.7%	Croatia	7.8%
Denmark	4.9%	France	8.9%
Luxembourg	5.0%	Cyprus	9.2%
Slovenia	5.1%	Italy	10.5%
Estonia (Oct.)	5.3%	Spain	14.7%
Ireland	5.3%	Greece (Sept.)	18.6%

Elsewhere

USA	3.9%	Russia	4.8%
Canada	5.6%	Brazil	11.6%
Japan	2.5%	Australia	5.1%
Switzerland	2.7%	India	3.5%
Turkey	11.6%	China	3.8%

21627/Eurostat Press Release – 2019.01.09

GENERAL ISSUES

Future of the European Union

On-Line Internet Application for Citizens



European Parliament creates an internet application for citizens online
 – With the May 2019 European elections in sight, the European Parliament announced on Friday 11 January the launch of a mobile internet application in 24 languages to inform European citizens about what the European Union has done and plans to do. Users will be able to search for concrete projects by sector or according to their location and be kept informed of their progress. The **Citizens' App** application can be downloaded from the App Store and Google Play.

21628/Press Release – 2019.01.11

New Website Explaining How to Vote in European Elections

On Friday 25 January, the Parliament unveiled a new website explaining to European citizens how to vote in each Member State or from abroad in the European elections in May. Available in the 24 official languages of the European Union, the site explains, in question and answer format, the voting rules specific to each Member State, such as the polling date, the voting age and the total number of MEPs to be elected per country. The site also includes information on how to vote for citizens residing abroad, whether in another EU country or in a third country, or by proxy. In addition, the site offers a range of additional information about the Parliament, the process for electing candidates, and election news.

See: <https://www.european-elections.eu/>

21629/Press Release – 2019.01.25

Awareness campaign of European Students' Union

The European Students Union (ESU) announced on 21 January the launch of a campaign to raise awareness of students' concerns in view of the European elections in May 2019, and called for massive student participation.

In a statement published on 10 December, ESU presented three key demands from European students to future MEPs: - inclusive higher education including access of marginalised groups to projects funded by the European Parliament as well as access to education for migrants, refugees and non-refugees alike; - protection of academic freedom and the press; - high quality and sustainably funded higher education.

With its campaign entitled '#VoteForEducation', ESU hopes to encourage as many students as possible to share videos and messages supporting these three demands and indicating their intention to vote in the European elections.

"Students and youth in general, are often criticised for not being actively involved in politics and for a lack of participation in democratic life. We want to demonstrate that this is not true", said Katrina Koppel, Vice-President of ESU. In conclusion: "Students [...] care about their future and the future of education in Europe".

21630/Press Release – 2019.01.21

Nico Cué and Violeta Tomič Elected Spitzenkandidaten for European Left

Belgian trade unionist Nico Cué and Slovenian Violeta Tomič (member of the Levica party, Slovenian Ecosocialist Party) were elected to become the 'co-spitzenkandidates' for the presidency of the future European Commission on behalf of the European Left (EL), following a vote (70 votes to 2, 4 abstentions) by members of the EL Executive Board on 26 January in Brussels.

Former Secretary General of the Wallonia-Brussels Metalworkers of the Belgian General Federation of Labour (WBM-FGTB) until 2018, Nico Cué occupies a prominent place in the Belgian trade unionist landscape.

He is one of the initiators of the "Acteurs des temps présents", a territorial and anti-liberal movement launched in 2013, which brings together trade unions from the metalworking and agricultural sectors, academic partners, and cultural community.

Violeta Tomič has an atypical profile. In Slovenia, Ms Tomič is a well-known figure, particularly for having been the pointed presenter of the television programme "The weakest link", according to SPA, the Slovenian news agency. She was elected in 2014 to the Slovenian National Parliament under the banner of the Levica party ('The Left'), then re-elected in the national elections of June 2018 and has since been chair of the committee on culture of this Parliament. Since November 2018, she has been a member of the parliamentary delegation to the Parliamentary Assembly of the Council of Europe. At the time, it was not yet decided whether she would be Levica's head of the list for the European elections.

21631/Press Release – 2019.01.28

After Brexit, Germany and France will have a blocking minority almost by themselves

After the United Kingdom's departure from the European Union, Germany and France will account for 18.50% and 15.04% of the population of the Twenty-seven, respectively, according to the draft decision amending the EU Council's rules of procedure adopted by the Member States' ambassadors to the EU (Coreper).

Under the rules of the European Treaty, a decision is deemed to be adopted by the Council when the States supporting it represent 65% of the EU population and 55% of the number of EU countries.

After *Brexit*, the EU population will decrease from 513.27 to 447.04 million. Germany and France will together hold almost a blocking minority (33.54% of the population).

This blocking minority will be reached if only one of the following Member States supports them: Italy (13.68% of the population of the EU), Spain (10.44%), Poland (8.50%), Romania (4.37%), Netherlands (3.87%), Belgium (2.55%), Greece (2.40%), Czech Republic (2.35%), Portugal (2.30%), Sweden (2.27%), Hungary (2.19%), Austria (1.97%), Bulgaria (1.58%).

The relative weight of other Member States in the post-*Brexit* EU population will be as follows: Denmark (1.29%), Finland (1.23%), Slovakia (1.22%), Ireland (1.08%), Croatia (0.92%), Lithuania (0.59%), Slovenia (0.46%), Latvia (0.43%), Estonia (0.30%), Cyprus (0.19%), Luxembourg (0.13%), Malta (0.11%).

In its decision, the Council also updated for 2019 the percentage of the population of each Member State in a Union of the Twenty-eight countries up to the date of *Brexit*, scheduled to date on 29 March 2019.

See: <http://data.consilium.europa.eu/doc/document/ST-15270-2018-INIT/en/pdf>

21632/Press Release – 2018.12.19

BREXIT Developments



1. Commission wants to limit most damaging effects for EU resulting from a *Brexit* without an agreement

Air routes maintained to the European Union, but without further intra-European stopovers, a 12-month equivalence for certain financial activities and a guaranteed status for British residents in legal situations in the Member States.

On 19 December 2018, the European Commission published fourteen measures with very concrete effects, including five proposals under the co-decision procedure, aimed at preparing the EU for an exit without the United Kingdom's agreement. Many of these measures require London to take reciprocal measures.

A *Brexit* without an agreement is indeed a hypothesis that gains in consistency less than 100 days before the planned exit by the country, on 29 March 2019, when the British Parliament has still not voted on the draft agreement for an orderly exit from the country.

Commission Vice-President Valdis Dombrovskis indicated that the measures in question were intended to avoid "*major disruptions*" in the event of *Brexit* without agreement in sensitive areas or sectors of activity. These include citizens' rights, transport (air or land), financial services, customs and climate policy.

In addition, the *PEACE* and *INTERREG* programmes, which promote the anchoring of peace in Northern Ireland, have been made permanent.

The preparatory measures have been established within very specific parameters, Mr Dombrovskis said: they are not intended to replicate what is provided for in the withdrawal agreement approved at the end of November or to reproduce the current situation where the United Kingdom is still a full member of the EU. They are time-limited and unilaterally adopted, and will also be implemented only if the British do the same on their side.

For the Commission, it is very clear that these contingency plans remain extremely "*basic*" and very minimalist, while some strong British *Brexit* supporters suggest that these contingency plans could be more beneficial to the country than a withdrawal with agreement.

Citizens' rights. As regards citizens' rights, in the event of *Brexit* without agreement, the rules on the rights of third-country citizens will apply to British nationals who settle in the EU from 30 March.

Assuming that the United Kingdom will offer the same protection to the three million European citizens already present on its territory, the Commission encourages Member States to be generous with British citizens legally residing on their territory. It calls on them to offer the British concerned resident status, including long-term resident status for those who have been present for at least five years and an appropriate work permit to avoid any interruption.

Temporary documents could be issued by the date of withdrawal, the idea being to have all final legal documents by the end of 2019.

The Commission also proposed in November that British citizens should be exempt from visa requirements to be in the EU. It hopes that the same will apply to Europeans legally present in the United Kingdom before 29 March 2019.

The European rules on social security coordination would also be valid (with related benefits) and applicable.

Transport. In the field of transport, the Commission has adopted two measures to avoid the total interruption of air traffic in the event of a 'hard *Brexit*'.

A proposal for a Regulation aims to guarantee the provision of certain air services between the United Kingdom and the EU for 12 months. And another proposal for a regulation aims to extend the validity of certain aviation safety licences for nine months. But the United Kingdom should not be able to operate intra-European flights.

The Commission has also adopted a proposal for a regulation to allow UK operators to transport goods to the EU for nine months, provided that the United Kingdom grants equivalent rights to EU road hauliers and subject to the conditions of fair competition.

Financial services. With regard to financial services, in the event of *Brexit* without an agreement, the European passport currently available to British service providers will automatically lapse on 30 March 2019 for business segments that have not been the subject of an equivalence decision by the EU.

In order to preserve the financial stability of the EU Twenty-Seven, the Commission is prepared to grant temporary and conditional equivalence for a fixed period of time limited to 12 months for the central clearing of derivatives.

Another 24-month equivalence decision will aim to avoid disruption of central depository services for EU operators currently passing through UK operators.

Two delegated regulations facilitating the novation, for a fixed period of twelve months, of certain OTC derivative contracts, for which a contract is transferred from a counterparty based in the United Kingdom to a counterparty based in the EU Twenty-Seven, are also proposed.

Customs. In the customs field, the European institution has adopted a delegated regulation which includes the seas surrounding the United Kingdom in the provisions on the time limits for lodging entry summary declarations and pre-departure declarations before entering or leaving the customs territory of the Union.

Another proposal for a Regulation aims to add the United Kingdom to the list of countries benefiting from a general export authorisation for dual-use items valid throughout the EU.

Member States will have to apply the Customs Code.

Climate. With regard to the fight against climate change, the Commission wants to preserve the proper functioning of the Emissions Trading Scheme (ETS).

It adopted a decision to temporarily suspend the allocation of free emission allowances, auctioning and international credit trading for the United Kingdom as of 1 January 2019.

An implementing decision was also taken to allow the allocation until the end of 2020 of appropriate annual allowances for British companies to access the EU Twenty-Seven market.

What about Ireland? Surprisingly, the cross-cutting communication adopted by the Commission says nothing about the return of a physical border between Northern Ireland and Ireland, in the event of a British withdrawal without agreement, or about the measures to protect against such a possibility.

The EU wants to avoid at all costs that this hypothesis materialises at the end of March 2019 and is still working on it. It has certainly already devised solutions within the framework of the orderly withdrawal agreement, with the creation of a safety net ('backstop') if a free trade agreement is not adopted before the end of 2020. But it has not yet done so for a 'no deal' scenario.

Nor does the text say anything about Gibraltar, to which the unveiled measures will not apply, or about sectors such as the pharmaceutical industry.

21633/Press Release – 2018.12.19

2. British Parliament Wants to Keep Control Over a Possible Exit Without an Agreement with the EU

On 8 January, the British Parliament wanted to keep control of a possible exit scenario without an agreement with the EU by adopting an amendment to a budget law limiting the ability of the government to accept a Brexit without an agreement. The vote was passed by 303 votes against 296.

The amendment, tabled by Conservative and Labour party elected representatives, makes the commitment of expenses related to a "no deal" subject to either a prior vote of Parliament or a postponement of the Brexit date.

21634/Press Release - 2019.01.09

3. British Parliament Rejects the Proposed Agreement with the EU

The British Parliament rejected on 15 January 2019, by 432 votes to 202, the Prime Minister's agreement with the EU on the country's withdrawal and the political declaration on future relations.

The EU expressed deep regret for this vote, which showed that the political conditions for ratification do not yet exist. The risk of an exit without an agreement is now higher than ever.

The next day Theresa May won a vote of no confidence requested by Jeremy Corbyn, leader of the Labour party. She had until 21 January to develop a plan B.

However, Theresa May announced on 21 January that she will continue discussions this week with other political parties and social partners to build a consensus in the United Kingdom on her country's agreement to withdraw from the European Union.

In front of British MPs, she also indicated that she would convey the conclusions of her talks to the EU once they were completed, giving no indication as to how this consensus could be reached.

Not surprisingly, it is this backstop (physical border between both Irelands) that will be the main focus of discussions in the coming days, particularly with its Northern Irish ally, the DUP party, in *full respect of the Good Friday Agreement*.

In substance, the British Prime Minister came up with hardly anything new on Monday. Promising her Parliament that she would be more involved in monitoring and preparing for the future economic and political relationship with the EU, Mrs May also announced that European citizens would not have to pay the £65 registration fee to stay in the UK, whether or not there is an agreement with the EU, and that those who had already paid this fee during a pilot phase would be reimbursed. This announcement was greeted by Guy Verhofstadt, Brexit coordinator in the European Parliament, and his steering group, for which this was one of the demands.

Theresa May reiterated that at this stage she saw no majority in the country and among the political parties and representatives she met in favour of a second referendum or an extension of Article 50, an extension which, in her opinion, could only serve to postpone the decision and would open the question of the election of British Members of the European Parliament.

21635/Press Release – 2019.01.16 & 22

4. Theresa May Gets Mandate from British Parliament to Renegotiate Agreement on an Orderly *Brexit* with Twenty-Seven

Theresa May said on 29 January to British MPs that she would ask the EU-Twenty-Seven to reopen the agreement on an orderly *Brexit* in order to obtain "*legally binding*" changes. "*An exchange of letters will not be enough. We need a legally binding change to the withdrawal agreement*", she told British MPs who have voted on amendments to the agreement.

The British Prime Minister has asked her parliament to give her a mandate to do so and has also confirmed that she intends to ask members of the House to vote again on the negotiations on 13 February. She has supported the Tory MP Graham Brady's amendment to replace the backstop for Ireland with alternative mechanisms, which is a condition for British MPs' support for the draft agreement, or to set a time limit for it. Opposition leader, Jeremy Corbyn, defended an amendment calling for a permanent customs union and a second referendum.

The EU-Twenty-Seven, for their part, have been constantly saying since 15 January that this backstop is not open for renegotiation, unlike the declaration on the future relationship, which can be altered. Michel Barnier's right-hand woman, Sabine Weyand, reaffirmed this position at a public event and said that the risk of leaving without an agreement by accident and not by design was "*very high*".

21636/Press Release – 2019.01.30

5. British Internal Divisions

The statements by British MEPs, who spoke on behalf of their political group, showed the divisions within the British political class.

- On behalf of the ECR group, Syed Kamall mentioned the differences in how *Brexit* is perceived on either side of the Channel. He noted, for example, that the EU was defending its interests by refusing to allow the United Kingdom to be better off outside the EU than as a Member State, while many British MPs do not want their country to be held back by the Irish border issue. "*The EU has been very patient. I am afraid it will have to wait longer*", he added, not giving up hope of further EU concessions.
- Martina Anderson (GUE/NGL, UK), a member of the active *Sinn Féin* party in Northern Ireland, said that some in the UK saw *Brexit* as a way to get rid of the Good Friday Agreement, which ended the armed conflict in Northern Ireland. She recalled that this agreement, concluded in 1998, provided for the possibility of holding a referendum on for Irish unity.
- On the contrary, MEP Diane Dodds (NI), a member of the Northern Irish *DUP* party, said that the British Parliament had strongly defended "*the integrity of our precious union*". Extension of negotiations or second referendum? Neither: the United Kingdom will leave the EU on 29 March, she said, calling for the negotiation of a post-*Brexit* bilateral free trade agreement.
- "*There can be no agreement*" on an ordered withdrawal, added Gerard Batten of the ENL group.
- Nigel Farage, speaking on behalf of the ELDD Group, said he was convinced that *Brexit* supporters would win by an "*even greater majority*" if the European elections in the United Kingdom and a second referendum on *Brexit* were held.

21637/Press Release – 2019.01.22

6. Commission's Concern to Comply with Treaties regarding Holding of Possible European Elections in United Kingdom

The United Kingdom could extend its EU membership beyond the summer of 2019 without taking part in the European elections and without undermining the integrity of the European Parliament, according to an opinion from the European Parliament's Legal Service, prepared in 2017 and revealed on 18 January by the Financial Times.

The current British MEPs would remain in place until the end of their mandate; the European Parliament would keep the same number of seats, but would be reorganised as soon as the United Kingdom actually left.

The Commission, for its part, has been more cautious: "As guardians of the EU treaties, we suggest exercising caution" and that the applicable rules do not suggest that the citizens' right to vote in European Parliamentary elections "can be called into question", according to spokesperson Margaritis Schinas.

"We have a legally composed European Parliament that requires directly elected Members from all Member States by the first day of the new mandate of the new Parliament, which this time is 2 July. As guardians of the Treaties, we would prefer to apply the relevant legislation", he stated, adding that "we have not received any request from the UK for an extension of Article 50".

21638/Press Release – 2019.01.18

Inflation Rate

Latest Eurostat figures show that the annual inflation rate was **1.6% in December 2018 in the Euro area**, down from 1.9% in November. **The EU28 annual inflation was 1.7% in December**, down from 2.0% in November.

The largest contribution to the annual euro area inflation rate came from services (+0.58%), followed by energy (+ 0.53%), food, alcohol & tobacco (+0.34%) and non-energy industrial goods (+0.12%).

Greece	0.6%	Austria	1.7%
Portugal	0.6%	Lithuania	1.8%
Denmark	0.7%	France	1.9%
Ireland	0.8%	Luxembourg	1.9%
Poland	0.9%	Netherlands	1.9%
Croatia	1.0%	Slovakia	1.9%
Cyprus	1.0%	UK	2.1%
Spain	1.2%	Belgium	2.2%
Italy	1.2%	Sweden	2.2%
Malta	1.2%	Bulgaria	2.3%
Finland	1.3%	Latvia	2.5%
Slovenia	1.4%	Hungary	2.8%
Czechia	1.6%	Romania	3.0%
Germany	1.7%	Estonia	3.3%

Elsewhere

USA	1.9%	Russia	4.3%
Canada	2.0%	Brazil	3.75%
Japan	0.3%	Australia	1.9%
Switzerland	0.7%	India	2.2%
Turkey	20.3%	China	1.9%

21639/Eurostat News Release – 2019.01.17

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GLASS NEWS

FLAT GLASS

Glass Companies

Saint-Gobain



1. Saint-Gobain has opened a €85 million **float line at its Dombrow-Gurnicze plant in Poland**. The float line will increase the production of glass for the needs of the construction and automotive industry by 25%.

The line is equipped with a modern system to reduce emissions of nitrogen oxides (NOx) and will consume 20% less energy. Its capacity is 900 tons per day of PLANICLEAR glass. This line will allow the manufacture of glass with a thickness of 1.4 mm and a width of 4.9 metres.

“I am proud that today I can attend the opening of this extremely modern line,” said François-Xavier Moser, President of Saint-Gobain in Poland, Romania, Bulgaria and Turkey, during the opening ceremony.

“This investment shows that Poland is an important country in the development strategy of Saint-Gobain. We started our production here in 1994. Today we have more than 7,000 employees and 25 factories, so we can say with confidence that our position on the Polish market is very strong.”

In addition to two float glass production lines, Saint-Gobain also has a mirror manufacturing line, spraying glass and laminated glass production lines at the Dombrow-Gurnicze plant.

21640/Press Release – 2019.01.04

2. Saint-Gobain’s **third float glass plant unit at Sriperumbudur in Kancheepuram district (India)** was inaugurated by CM Edappadi K Palaniswami on 28 January 2019.

The Sriperumbudur factory complex, which is referred to as World Glass Complex, has two float glass plants with a total capacity of 1,500 tonnes per day.

The new plant will expand its facility further and boost production. The company had already written a memorandum of understanding with Tamil Nadu government during 2015 Global Investors Meet to invest in the State. The factory is one of its kind as it is a fully integrated plant making value-added glass products.

21641/Press Release – 2019.01.24

3. Tecnoglass Enters Joint Venture Agreement with Saint-Gobain



Tecnoglass is entering a joint venture agreement to purchase a minority ownership interest in **Vidrio Andino**, a Colombia-based subsidiary of Saint-Gobain, which began production at its manufacturing facility located near Bogotá, Colombia in 2013, becoming the main supplier of float glass to Tecnoglass since that time. This joint venture will significantly increase Tecnoglass' vertical integration strategy by enabling it to acquire an ownership interest in one of the first stages of its production supply chain, and to stable long-term float glass supply and improve purchasing economics for a significant portion of its float glass sourcing over time.

Vidrio Andino also plans to build a new technologically advanced glass manufacturing facility in Galapa (nearby Barranquilla), which is located only a few miles from Tecnoglass' existing production facilities. José Manuel Daes, Chief Executive Officer of Tecnoglass, commented that the company is excited to partner with Saint-Gobain and has the possibility of developing an advanced and efficient glass production facility near to its own plant network. The transaction is expected to be completed in the second quarter of 2019.

The new facility will have production capacity of 750 metric tons per day of float glass and will be completed in 2021. Tecnoglass said it would benefit from access to ample float glass supply for anticipated growth, with Vidrio Andino more than doubling its float glass production capacity. Purchasing costs would be reduced through expanded scale in its float glass procurement, elimination of raw material waste, and lower inbound transportation costs given Galapa's closer proximity to Barranquilla.

It would also control nearly its entire production process, driving increased efficiency to provide enhanced service and improved lead times to customers.

The initial \$45 million investment into the joint venture from Tecnoglass will be used to fund a portion of the construction cost for the new manufacturing facility near Barranquilla, which is expected to total approximately \$160 million to 2022.

21642/Press Release – 2019.01.15

AGC



1. AGC unveiled door concept

The **StreetSmart Door**, a collaborative effort between International Automotive Components Group (IAC) and AGC Automotive Europe, combines innovative technologies and advanced materials **to increase occupant safety and driver awareness**. The StreetSmart Door is a concept featuring seamlessly integrated, shaped, glass surfaces in the door panel, a display for a digital side camera monitoring system (CMS) and comfort and lighting controls. The system can support the full range of driving modes from personal to autonomous to ride-sharing, both for current and future multimedia applications. The crafted design includes an industry-first glass speaker, premium materials and dynamic ambient lighting for personalizing the cockpit environment.



AGC's ultra-thin (0.5 mm) and highly shock-resistant glass features a coating that enhances both the cleanability and tactile feel of the touch screen. The elegantly curved lines and back-painted glass give it a unique and customizable finish. The industry-first, transparent audio glass speaker contributes not only a stunning design feature but also achieves reduced production complexity and a weight savings of about 50% compared with a conventional automotive speaker system. Additionally, the audio glass speaker treats passengers to a unique acoustic experience, diffusing the sound for an immersive surround-sound experience throughout the cockpit.

The camera monitoring system features aerodynamic folding wings with high-dynamic range cameras, that replace the traditional external side mirrors and a tactile, optimally positioned 7-inch OLED displays inside the vehicle. The digital rear-view mirror offers users multiple safety advantages such as a broader field of vision, elimination of blind spots, anti-glare screens and night-time vision, among others. The multi-level, reconfigurable armrest display features tactile surfaces and haptic feedback for an intuitive, eyes-on-the-road user interface.

“Glass covered interfaces are being extended from smart devices to vehicle interiors. Tailored applications of interior glazing have the potential to optimize designs” said Jean-Marc Meunier, Regional President for Europe, Automotive Company, AGC. AGC is a leading expert in shaping and processing thin glass that is multifunctional. This translates to a reduction in weight and packaging space, and the ability to simplify modular assemblies and provide a familiar user interface and experience.

For more information: www.streetsmartdoor.com

21643/Press Release – 2019.01.04

2. AGC Interpane present vacuum insulation glass

AGC Interpane presented at BAU 2019 (Munich) the vacuum insulation glass "Fineo" along with numerous innovations that provide new architectural impulses.

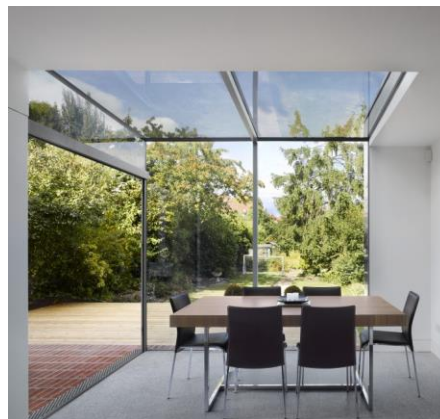


The vacuum insulation glass “Fineo” is without any visible evacuation opening, solar control glass with tempered and non-tempered variants that are optically and, in terms of performance, technically identical, active glass that enables parts of the façade to light up, design laminated safety glass and much more. In addition, the company also presented the new service “Coating on Demand” for tailor made façade coatings.

21644/Press Release – 2019.01.11

3. AGC Interpane’s “Planibel Easy” the new self-cleaning glass

The new self-cleaning glass “Planibel Easy” from AGC Interpane now makes window cleaning easier and is especially useful for glazing that is difficult to reach, such as in roof lights.



The special pyrolytic coating of the glazing is extremely durable and uses the UV radiation in sunlight to break down dirt in five to seven days – the next shower of rain simply washes the residue away. The product is especially useful for glazing that is difficult to reach, such as in the roofs of conservatories, in roof lights or in large areas of glass that can only be cleaned with great effort.

The self-cleaning function has been independently tested and confirmed by the renowned Fraunhofer Institute for Surface Engineering and Thin Films (IST) according to EN1096-5. In the rain, the special coating distributes the water especially evenly across the glass and allows it to run off more easily, so that it also dries faster.

Planibel Easy Clear (4mm) achieves a high daylight transmittance of 84 percent; the solar factor is 82%, which allows desirable solar energy gains to be made in the cooler months.

Planibel Easy Blue (4mm) is the bluish variant, which is especially recommended, for example, for the roof glazing of conservatories. The daylight transmittance here is 63%; the solar factor is 58%.

21645/Press Release – 2019.01.16

NSG



1. NSG has announced the location of its **new US plant, in Troy Township, Ohio**, to support the company's plan **to expand production capacity of online TCO (transparent conductive oxide) coated glass**.

NSG's new 500,000 square foot facility will be located in Troy Township, Ohio nearby First Solar's Lake Township, Ohio site. The area is commonly known as the Eastwood Commerce Center South. The site selection is pending approval of state and local incentive packages. Construction will begin in the spring of 2019 and it is expected the plant will be operational in the second half of 2020.

The new float glass line is the first in the US for the NSG Group since 1980 and is expected to create 125-150 new jobs.

"Our company has a rich tradition in the glass industry and strong roots in Ohio and we are pleased to expand our US glass manufacturing here," said Richard Altman, Regional Director Architectural Glass North America.

"NSG Group is one of the world's most respected float glass manufacturers and has a long history of success in Ohio," said Glenn Richardson, JobsOhio managing director for advanced manufacturing. "Along with the Regional Growth Partnership, we look forward to working with NSG as they build a new advanced production facility and bring new jobs to Wood County to support the growing solar energy market."

21646/Press Release – 2019.01.08

2. **NSG Group sale of shares in Nippon Sheet Glass Environment Amenity**

NSG Group (NSG) announces the decision to sell its entire shareholdings in Nippon Sheet Glass Environment Amenity, a wholly-owned subsidiary, to Hibino Corporation (Hibino). NSG Group is one of the world's largest manufacturers of glass and glazing products for the architectural, automotive industry and technical glass sectors announces the decision to sell its entire shareholdings in Nippon Sheet Glass Environment Amenity, a wholly-owned subsidiary, to Hibino Corporation (Hibino).

Although NEA has been stably contributing to NSG, it was concluded that NEA's further development can be achieved better through synergy with a third party.

Based on the analysis of various factors, it was determined that the sale of shares to Hibino would be the most effective way to enhance NEA's corporate value.

The sale is scheduled for 1 April 2019 at the price of JPY 1.95 billion. This transaction has no material financial impact on NSG's consolidated financial results for the fiscal years ending in March 2019 and March 2020, respectively.

21647/Press Release – 2019.01.31

3. Pilkington products give an **Italian 5-star hotel a stylish edge**, demonstrating how high-quality glazing combined with tasteful design can help lend a sense of luxury to a building.



Major refurbishment to the glamorous Park Hotel Imperial, located in Limone on the shore of Lake Garda, Italy, challenged designers as building aesthetics play a big role in creating luxurious accommodation for guests

The hotel features glass elements extensively, inside and out, and the designer of the re-model chose to use two Pilkington products extensively in the project – Pilkington Optiwhite™ low-iron, extra clear glass, and Pilkington Mirropane™ Chrome Plus toughenable mirror.

By using Pilkington Optiwhite™, the features have an almost colourless appearance, lending a cleaner and more contemporary feel to the design. The balcony glazing is screen printed with a white fade, the low-iron glass ensured the white colour of the paint applied to the glass shines out to maximum effect.

Pilkington Mirropane™ Chrome Plus, a toughenable mirror product, was used to integrate mirrored elements such as mirrored shower doors. The product can be toughened, significantly increasing its strength, the metal hinges and handles could be fixed directly to the glass, allowing a frameless minimalist look. Pilkington Mirropane™ Chrome Plus also has a corrosion-resistant coating, making it ideal for use in a bathroom by helping to prevent the mirror being damaged by frequent exposure to humidity.

Leo Pyrah, product manager at Pilkington UK, said: “The hotel is a superb showcase for these two products, demonstrating how high-quality glazing combined with tasteful design can help lend a sense of luxury to a building. The view over the lake is arguably the hotel’s most notable feature, and our low-iron extra clear glass will make sure it can be enjoyed in all its glory by guests with absolutely minimal distortion or discoloration.”

21648/Press Release – 2019.01.10

4. **Pilkington OptiView™ Protect OW**, a special anti-reflective glass that enhances the appearance of the products on display was the clear choice for the project designer of a **new prestigious boutique in Florence**.

Pilkington OptiView™ Protect OW provides a fundamental function: it reduces the percentage of light reflection of the glass to only 2%, ensuring a perfect view from any angle or direction as interference from the sun is kept to a minimum.

So, when the project designer of a new prestigious boutique in Florence needed an all-round display solution for its nine shop windows the clear choice was Pilkington OptiView™ Protect OW.



This anti-reflection performance is ideal in terms of transparency and contrast for windows exposed to natural daylight, as well as for artificial interior light, such as in shopping malls. Pilkington OptiView™ Protect OW is an extra clear laminated glass, made with Pilkington Optiwhite™ substrate, which, thanks to its highly neutral colour and a light transmission of over 90%, allows the display products to be viewed in true depth of colour.

21649/Press Release – 2019.01.11

5. Pilkington has chosen Siemens for a 100-day **production line retrofit at its plant in Weiherhammer, Germany.**

The manufacturer decided to use Siemens to modernise its **Float Two line** with retrofit, ensuring that production remains economical.

The automation solutions from its long-term partner Siemens were used to upgrade the line. This allowed Pilkington to reduce energy consumption and exhaust emissions through intelligent controls. The open system architecture also provides a high degree of flexibility.

Reinhold Gietl, Plant Director at Pilkington, said: “By upgrading to a PCS 7 process control system, we now have a future-orientated investment in place on Float Line 2, which we can operate with complete confidence.”

As part of the upgrade, the process control system has also been replaced with a solution from Siemens, which had already been tested and approved in a factory acceptance test with Karlsruhe.

Mr Gietl continued: “Our central department at Pilkington worked closely with the Siemens specialists and colleagues from the plant at Weiherhammer during the control system upgrade. The combination of automation and project management specialists worked perfectly. It is only through years of intense and proven collaboration with Siemens that we have been able to complete a project of this complexity without any problems in such a short period of time.”

The decentralised control system guarantees a high-quality production process as the PCS 7 process control system monitors precise maintenance of all variables during glass production.

Intelligent controls also contribute to energy savings and minimising exhaust emissions. This means that the process control system provides an optimum technical platform to meet the growing demands on economy, conservation of resources and environmental sustainability.

At the same time, the open system architecture also provides a high degree of flexibility, which is a precondition for further technical upgrades.

21650/Press Release – 2019.01.15

Technan



Spanish company TECNAN, Tecnología Navarra de Nanoproductos S.L., N has been awarded a 10 years durability certificate by QUALICONSULT group for its 'non-stick' glass surface protector VETROSMART after exhaustive accelerated aging tests.



The hydrophobic and anti-lime treatment of TECNAN specially designed for glass surfaces with direct application to shower screens, windows or glass curtain walls among others, has passed satisfactorily the demanding tests required, performed by the well-known laboratories of TECNALIA, and it is approved and certified by the specialist group QUALICONSULT for 10 years durability based on a very complete procedure of accelerated aging tests.

To get this certified durability of 10 years, the accelerated aging tests performed have consisted of a very complete procedure based on UV aging, chemical attack, thermal shock and abrasion tests.

VETROSMART is a transparent hydrophobic solution which provides the glass with easy-to-clean properties, creating a protective barrier against liquids, lime and other dirt stains, therefore preventing its accumulation and reducing the subsequent cleaning tasks.

21651Press Release – 2019.01.14

Miscellaneous



Glass for Europe

Glass for Europe responds to potential policy application of Product and Organisation Environmental Footprint

In its response to the potential policy application of Product and Organisation Environmental Footprint, Glass for Europe stresses that PEF's application to construction products would not be necessarily desirable nor useful.

Glass for Europe has responded to the consultation of the European Commission on the potential policy application of Product and Organisation Environmental Footprint (PEF and OEF).

While PEF is being developed by the European Commission as a useful instrument to evaluate and benchmark the environmental impacts of final products in the EU, Glass for Europe stresses, alongside Construction Products Europe, that PEF's application to construction products would not be necessarily desirable nor useful. In the construction sector, the final product whose environmental performance can be best assessed is the building itself rather than the myriad of individual construction products that compose it. In this respect, construction products must rather be seen as intermediary products for which PEF was not designed in the first place.

Environmental performance assessment is of high importance to the flat glass industry. Members of Glass for Europe are already editing European Product Declarations (EPD) of their flat glass products following the rules set in the European standard EN 15804. This standard, developed at EU level by CEN TC 350 is today the basis to evaluate construction product's environmental impacts in Europe.

Glass for Europe members are in favour of a single European methodology to evaluate construction products. For this reason, Glass for Europe supports the progressive convergence of PEF and EN 15804 methodologies in the middle term.

21652/Press Release – 2018.12.20

Gujarat Borosil Allegedly Requested DGTR Inquiry on Malaysian Glass

**GUJARAT
BOROSIL
LIMITED**

Following an alleged request from Gujarat Borosil Ltd, the Indian commerce ministry's investigation arm known as DGTR has recommended a 5-year duty on glass imported from Malaysia. The New Delhi government may impose an anti-dumping duty of 114.58 US dollars per tonne on a certain variety of Malaysian glass, used in the solar industry, in a bid to guard domestic manufacturers from cheap imports. Reports suggest that Gujarat Borosil Ltd, an Indian flat glass manufacturing company asked DGTR for the alleged dumping inquiry and imposition of the duty. Following the inquiry, the directorate has concluded that there has been material injury to the domestic industry due to the dumping of this glass from Malaysia.

The DGTR has recommended the duty on textured tempered coated and uncoated glass imported from Malaysia and used as a component in solar photovoltaic panels and solar thermal applications.

The DGTR said in a notification that the authority recommends imposition of definitive anti-dumping duty on the imports for five years. The final decision to impose the duty will be taken by the finance ministry.

21653/Press Release – 2019.01.24

Fives Stein Machinery Supplier

Fives Stein company of France are to create facilities to produce architectural and automotive glass in the Jizzakh Region in Uzbekistan.

The French government has decided to allocate grant funds of USD 575,000 to the Fives Stein company to develop a feasibility study for the construction of a new plant in the Jizzakh region, following talks held in France between the delegation of Uzbekistan headed by the deputy khokim of the Jizzakh region Azim Akhmedkhadjayev and the French company representatives.

The project is planned to create facilities to produce architectural and automotive glass in the Jizzakh region. The plant will be designed to produce 600 tons of glass per day and provide more than 200 jobs, with a total investment of more than USD 100 million.

Following these talks, an agreement was also signed between the Jizzakh regional government and the Fives Stain company for further cooperation in this direction.

21654/Press Release – 2019.01.28

MVRDV Constructs A Building Using Glass Bricks

The glass bricks of MVRDV's Crystal House unexpectedly blend with masonry bricks, and are even stronger than concrete.

Dutch architectural studio MVRDV has constructed a building combining tradition with modernity, using glass bricks mixed with regular bricks in walls that gradually blend upwards. The architects replaced the traditional building material, terracotta bricks, with a truly unexpected material, glass. This allowed the studio to avoid the classic stratified laminated glass façade by using real glass bricks, taking advantage of their structural properties while reproducing the shape typical of the city's vernacular architecture.

With support from Delft University, which conducted structural tests on the material, the architects found that glass is even more resistant to compression than concrete, so that it has great theoretical potential for structural uses. But to satisfy both the structural engineers' and the architects' requirements, the bricks were laid over a bed of UV-bonded transparent adhesive silicone mortar.



It is curious to note that the first layer of brick was levelled off by pouring traditional Dutch full-fat milk over it, the ideal liquid to function as a reflective surface. Water might have been cheaper, but it could not achieve the same effect and create a perfectly level façade.

In this way, the low arches of the doors and windows were also made out of a single block of glass, which despite its delicate appearance can withstand a force of up to 42,000 Newtons (4,200 kg).



21655/Press Release – 2019.01.10

Research Frontiers Spd-Smartglass technology used for electronically dimmable windows



Vision Systems' electronically dimmable windows will improve the passenger experience onboard luxury buses and coaches using Research Frontiers Spd-smartglass technology.

The UMA Expo in Ft. Lauderdale stages the development of Research Frontiers Spd-SmartGlass in luxury coaches and buses. This technology is already used worldwide to improve passenger experience onboard cars, aircraft, trains, and marine vessels.



Research Frontiers Licensee Vision Systems integrate these systems directly into the glazing allowing the passengers to instantly change the opacity of their window from clear to dark in order to regulate daylight, glare and heat entering in while preserving the view or offering privacy.

Research Frontiers is a publicly traded technology company and the developer of patented SPD-Smart light-control film technology which allows users to instantly, precisely and uniformly control the shade intensity of glass or plastic products, either manually or automatically

21656/Press Release – 2019.01.15

CONTAINER GLASS

Glass Companies

O-I

O-I Australia appointed Dominion Industry for a major **furnace rebuild**.

Dominion was tasked with the complete removal and refractory replacement of O-I's main melter, regenerators, refiner, forehearths and associated distribution channels. The main melter crown has a supersized brickwork arch, with a span of more than 7m and a length of 22m.

It required the installation of 35,000 bricks and fabrication of specialised engineered arch centres and scaffold systems to support the 160 tons of material and personnel. The regenerator housings were 12m high and 15m long, with approximately 200,000 bricks removed and replaced.

The regenerator crowns were also installed as a brick arch with internal crown formwork. An infill checker pack was installed in both regenerators using 75,000 special-shaped bricks.

The project used a substantial amount of machinery and a workforce of more than 100 people.

21657/Press Release – 2019.01.29

Ardagh

Ardagh Group, Glass – North America, a division of Ardagh Group, announced the launch of a new 187ml single-serve glass wine bottle. An expansion to Ardagh's single-serve portfolio, this new 187ml wine bottle illustrates Ardagh's unique capabilities in the wine market.

The new 187ml format bottle from the Ardagh Group provides wineries and consumers increased flexibility.

Single-serve wine bottles are increasingly popular among consumers and represent a significant new category in the overall wine market. According to Mintel, one of the four trends that will continue in 2019 is growth in food and beverage products in single-serve portions. Smaller format bottles allow wineries to expand into new markets and occasions, attracting consumers with the ability to mix-and-match varietals and sample products without committing to a multi-serve format.



GPS Global Brands is a Business Development Company focused on providing luxury single-serve options for the wine industry, and other premium categories, such as RTD cocktails and emerging categories. Matt Wood, CEO, and the GPS team worked closely with Ardagh to design and develop its new 187ml wine bottle used for multiple brands to bottle single servings, available in 24-pack cases.

Enhancing the appeal of the bottle's convenient format design is the glass bottle's status as a 100% infinitely recyclable package, something of importance to GPS Global Brands. Glass bottles are 100 per cent and endlessly recyclable, and they can go from the recycling bin to the store shelf in as little as 30 days. Glass wine bottles preserve the true taste of the product and deliver great shelf appeal and brand differentiation in a premium, sustainable package.

Ardagh Group enjoyed collaborating with GPS Global Brands to create this new 187ml single-serve wine bottle, incorporating GPS's vision and Ardagh's New Product Development team's design and manufacturing expertise to create something unique to the industry," said Jeff Oberti, Vice President of Sales for Ardagh Direct. "This bottle was designed to run efficiently on both manufacturing and filling lines, in addition to being aesthetically pleasing to the eye."

21658/Press Release – 2018.12.28

Verallia Group



Verallia's Spanish plant of Zaragoza has received the 2018 award for business excellence, recognizing companies located in Aragon for their best practices.



The 2018 award for business excellence has been handed over to Eulogio López, the plant manager, by the Aragon Institute for economic development (IAF). 2018 has been a major year for the Saragossa plant. Last June, it celebrated its fiftieth anniversary as well as the reconstruction of one of its two furnaces. In Spain, Verallia is a major player on its domestic market with six glass plants (Azuqueca, Burgos, Montblanc, Zaragoza, Seville and Telde) spread over the whole country. The Zaragoza plant is highly specialized on the beer market. The Spanish plants also produce for the still and sparkling wines, spirits, food and non-alcoholic beverages (NAB) markets.

21659/Press Release – 2018.12.20

Sisecam



Şişecam Group **recycled 1 million tons of glass waste** with the “Glass is Glass Again” project, one of the most extensive sustainability and social responsibility projects of Turkey, which started to be implemented in 2011. The Group prevented wastes equal to 6 billion bottles to be thrown away, thanks to the glass wastes, which were recycled **during 7 years**.

During this period, more than 20 thousand glass banks were supplied to municipalities for use, and awareness training was given to more than 250 thousand primary school students.

Glass packaging is defined as the “most sustainable packaging material” with all its characteristics.

Moreover, carbon emission prevented equals to 384,000 cars taken off the roads.

The use of cullet at the rate of 10% as input in the glass production, provides a reduction of 12% in the raw materials, 2.5% in energy and 5% in carbon emissions. With glass, which is a packaging material that can be recycled 100% without any quality loss, it is sufficient to use 1 glass bottle waste as input in order to produce 1 glass bottle. By recycling 1 glass bottle, it is possible to save electricity energy that can operate a computer for 25 minutes, a television for 20 minutes.

21660/Press Release – 2019.01.08

Vidrala



Vidrala gains a second wind with 100% renewable energy as its two Portuguese container glass plants are powered with 100% renewable energy.

SB Vidros was certified as being 100% renewably powered in 2018, and now Gallo Vidro can also boast the accolade. Both factories are supplied with renewable energy by Acciona through its electric energy sales subsidiary Acciona Green Energy Developments.

- Gallo Vidro will be hoping to repeat some of the carbon savings success of its Portuguese counterpart.
- SB Vidros has so far saved 30,000 tons of CO2 in its production processes since being certified as 100% renewably powered.

Vidrala is focusing on continually strengthening its commitment to sustainability and respect for the environment, reducing the environmental impact of its processes, the consumption of resources and, specifically, to minimize energy consumption.

21661/Press Release – 2019.01.25

Wiegand-Glass



Zippe received a large and demanding project from Wiegand-Glas comprised of a new batch and cullet house and two cullet return systems for the Wiegand glass plant in Schleusingen, Thuringia Germany.

Only recently, the new ZIPPE batch house at the Wiegand-Glas plant in Steinbach am Wald was put into operation.

Two new furnaces will be built for the Schleusingen plant directly connected to the existing production site. The line to supply the first melting furnace will be put into operation at the beginning of 2020, followed by a second line shortly after.

21662/Press Release – 2019.01.30

Beatson Clark



Beatson Clark has produced three new bespoke glass containers for Cottage Delight as part of a rebrand for the specialist food manufacturer.



Beatson Clark specialises in providing glass packaging solutions for brands in the food, drink and pharmaceutical markets worldwide. To widen its customer base, particularly among millennials, Cottage Delight asked Beatson Clark to work with its own design agency and produce three bespoke glass containers – a 12oz jar, an 8oz jar and a 220ml bottle.

Cottage Delight sells home-made food products such as jams and chutneys in 36 countries worldwide and embarked on a major packaging rebrand last year to reinforce its position as the leading exclusive food brand in the UK
Beatson Clark, based in South Yorkshire, has worked with Cottage Delight for over two decades and currently manufactures the company's bespoke 4oz globe jar.

Sarah Williams, Head of Brand at Cottage Delight, commented that customer expectations have changed, and Cottage Delight wanted to make sure its packaging reflected that. Creating bespoke containers was a priority for the company, so continuing to work with Beatson Clark was a natural choice. While it might have been cost-effective to source the new packaging abroad, it would not have offered the same level of service or flexibility.

The new containers are embossed with "Great Taste, Great Times" on the side and "Staffordshire Moorlands" on the base, which gives a vintage and luxury feel to the packaging.

Dawn Pugh, Account Manager at Beatson Clark, said that for an exclusive brand like Cottage Delight, the quality of their packaging is just as important as the quality of what is inside. By working with Cottage Delight branding team Beatson Clark managed to produce three new containers which will help to extend its position as a leading home-made food producer in the UK. The new packaging will be officially launched in mid-March this year but will be rolled out to its customer network next month.

21663/Press Release – 2019.01.28

Envibol

Bolivian glass container factory Envibol has started cold tests, which will last for a month. If all goes well, the group will fire the furnace.

Envibol's production capacity is 37,000 tons per year. Depending on the size and type, the factory can produce more than 60,000 thousand containers per day.

The first product line is expected to be bottles for honey and jams.

21664/Press Release – 2019.01.29



Qatar's Gulf Glass Factory

Gulf Glass Factory has signed an engineering, procurement and construction (EPC) contract with Falorni Gianfranco for Qatar's first container glass plant.

Qatar Industrial Manufacturing Company (QIMC) owns 50% of Gulf Glass Factory and its CEO, Mr. Abdul- Rahman Abdullah Al Ansari, who is also Chairman of Gulf Glass Factory, signed the agreement with Mr. Riccardo Scarselli, CEO of Italian company Falorni Gianfranco.

The project will focus on the production of glass containers used in the packaging of water, soft drinks, dairy products and various foodstuffs as well as medicines and perfumes.

Design capacity of the plant in the first phase will be 200 tons/day through one furnace. A second furnace will be built in the second phase of the project, which will raise the production capacity to about 450 tons per day.

The total cost of the first phase of the project is QR 238 million (\$65.3 million) and is expected to reach QR 300 million (\$82.4 million) at the end of the second phase.

Natural gas is the main source of energy in this process. The project will be based on local sand available from QIMC's sand washing plant. Tests were carried out on local sand which proved its quality and suitability to produce glass containers.

The project will have a positive impact on the industrial sector in Qatar and will contribute to the development of the growing food & beverage sector which includes: mineral water, soft drinks, juices, dairy products, packaged foods (pickles, oils, sauces, jams, honey, etc.).

The food industry is gaining special importance from the Government and is expected to be one of the most important components of the national economy in the near future. The project will satisfy the local needs of glass containers, which are currently imported from outside sources at high costs, in addition to exporting some of its products to neighbouring Arab markets, particularly Lebanon, Jordan, Syria and Iraq.

These countries suffer from a severe shortage in the availability of glass containers since they do not have any glass containers produced domestically, while their needs are very large given the size and importance of their food industries.

It is expected that the project will be a good opportunity to compete in these countries as well as other global markets.

21665/Press Release – 2019.01.11

Modern Company for Glass Industries (MCGI)

Syrian container glassmaker Modern Company for Glass Industries (MCGI) has invested in a new furnace and equipment.

The 145-ton furnace is due for commissioning at the end of April and will increase the glassmaker's capacity to 255 tons per day.

The investment also includes two new complete production lines, palletizing solutions and latest technology inspection machines to enhance the plant's production facility.

The glassmaker is located in the Hasyaa Industrial Zone near the city of Homs and never stopped production despite the conflict.

Mr Raslan, MCGI Chairman, said that the investment will see MCGI reduce its production costs.



He believes the expansion will also allow the company to meet its clients' high demands and keep them happy with prices and quality of glass packaging containers with various volumes in green, amber and transparent colour.

Its products include olive oil & beverage bottles, food jars and medicine bottles.

MCGI's clients are located in the Middle East, North Africa, Southern European countries and the Gulf Region.

Mr Raslan believes that the company will continue to be a regional leader in glass packaging especially now that the border between Syria and Jordan has recently reopened.

21666/Press Release – 2019.01.29

Verescence

VERESCENCE



1. French perfumery and cosmetics glass packaging manufacturer Verescence is about to change ownership.

The company's owner Oaktree Capital Management has entered exclusive negotiations with UK-based private equity group **Stirling Square Capital Partners** to acquire its entire stake in the company.

Verescence has a 120-year history and owns three glass production and four decorations facilities in Europe and North America. It produces more than 500 million bottles every year. In 2017 the company employed 2,300 people across the globe and registered sales of €280 million.

Thomas Riou, CEO of Verescence, said: "The potential arrival of Stirling Square Capital Partners as new shareholder is in line with our strategy, in particular supporting us in the implementation of our transformation and investment plan and enabling exciting new growth opportunities going forward.

21667/Press Release – 2019.01.08

2. Verescence has invested €2.2 million in two silk-screen printing lines at its bottle finishing plant in Ecouché, Orne, France.

The Verescence d'Ecouché (Orne) factory specialises in decorating bottles of perfume. Screen printing - which is based on the stencil principle - is used in particular to apply the imprint and the name of the perfume.

With this investment, the plant 'modernises its production lines and increases its production capacity,' said Julien Pagnacco, human resources manager for the plant, which employs 250 people and 70 temporary workers.

The investment includes €200,000 for the training of 26 employees in the use of new machines.

The Ecouché factory also produces decorations by lacquering, chemical and mechanical etching (sanding) and gluing. It ensures the completion of the bottles for companies such as Hermes, Dior, L'Oreal, Chanel and Yves Saint-Laurent.

Thomas Riou, Verescence CEO; Hélène Marchand, Verescence France General Manager; and Yann-Régis Leconte, the Factory Manager at Verescence Orne; officially opened the production lines in the presence of Bertrand Deniaud, Vice-President of the Normandy Region.

21668/Press Release – 2019.01.04

3. Verescence's expertise with red glass for Chanel N°5

Chanel calls on Verescence's expertise to enhance its N°5 limited edition, using red glass for the iconic N°5 bottle.

For the very first time, Chanel N°5 limited edition is in a red glass bottle using the exclusive expertise of Verescence in producing red glass. Melted in a glass tank, red glass unveils its coloration after the annealing, a complex manufacturing process requiring precision to achieve one of Gabrielle Chanel's favourite colours.

The iconic N°5 red glass bottle, available in 100ml, has been manufactured at Verescence's glass manufacturing site in Mers-les-Bains (France). Red glass has been exclusively made by Verescence for more than 30 years



21669/Press Release – 2019.01.09

Gerresheimer

1. New Decoration Centres in Belgium and Germany

Gerresheimer's factories in Tettau (Germany) and Momignies (Belgium) specialize in the industrial production of cosmetic glass and have been supplying notable customers in the cosmetics industry for decades. At both sites, newly created, high-performance "Decoration Centres" use modern techniques to customize sophisticated branded products for the cosmetics market.

Customization is a key market trend in the cosmetics industry, particularly using primary packaging. In addition to the design of a bottle, decoration is playing an ever greater role. "We want to reduce the complexity for our customers," says Bernd Hörauf, Senior Plant Director of Gerresheimer in Tettau. He considers decoration to be anything that can be offered to customers as added value, alongside the classic areas such as screen printing, colour spraying, acid etching, and pad printing. Based on the philosophy of reducing the complexity of the process chain for customers, a brand-new integrated concept has been born at Gerresheimer's cosmetics factories in Tettau and Momignies, that features production and process structures of the same kind.

GERRESHEIMER

Connected process chains

For example, when it comes to a connected process chain in the context of screen printing, further process steps such as the use of plastic inserts in bottle necks can now be taken – and even in the same machine cycle, saving money and reducing outlay. Another example is the development of a labelling line that, in addition to standard applications such as dynamic carrier strip labelling, also enables special cases such as static labelling, i.e. labelling horizontal bottles in recessed areas. This is a truly measurable process improvement that would otherwise mean extreme delays on customers' filling lines.



Glass packaging with a label as an integral style element of the brand message as demonstrated by Mexx Forever Classic Never Boring for Him.

The next phases of expansion

Another concept has been developed that involves bonding small metal plates onto glass containers. This concept has already been put to the test. It involves a special combination of hotmelt and UV bonding and will be ready for production in the first half of 2019. The first colour spraying line will also begin operation at the Tettau factory in the second half of the year.

21670/Press Release – 2019.01.09

2. Gerresheimer wins two awards at Mexican plant

Gerresheimer has won two awards at its plant in Queretaro, Mexico.

The manufacturer received two awards in 2018, including 'Manufacturing Methods and Tools' and 'Supply Chain Material Systems'.

Its Queretaro plant has received the highest number of cumulative awards. Gerresheimer aims to show customers its trust and commitment as a highly reliable supplier.

The confidence of the investors and board of directors allows Gerresheimer to receive appropriate investments to continue modernising its machinery and equipment as well as to continue to expand product lines and increase manufacturing capacity.

It is the only plant in the world to manufacture the largest range of packaging for the pharmaceutical industry including ampoules, vials, prefillable syringes, ready to fill vials, ultra-thin wall ampoules and dental and insulin cartridges. It has a production capacity of more than 1.7 billion units per year.



Investment plans for upcoming years will be focussed on modernisation and expansion for high value-added products. This is so the manufacturer will be able to supply incremental volumes for pre-fillable syringes and vials ready to fill in Easy to Fill (ETF) format, delivering pre-washed and sterile products.

21671/Press Release – 2019.01.14

Cristalerias Toro (Chile)

HORN Glass Industries will be supplying a 300t per day glass melting furnace for the new production line of Cristalerias Toro in Chile.



Cristalerias Toro SpA is a Chilean family business with more than 60 years of experience in the manufacture and marketing of glass containers. The company supplies container glass to different areas of the food industry like wines, spirits, liqueurs, beer, soft drinks, water, juices, oils and other products.

Due to steady growth, the company plans to build a completely new production line outside Santiago de Chile in Lonquen. Lonquén is a city in Chile, within the metropolitan area of Santiago. HORN will be supplying the future glass melting furnace, which will produce 300 tons of glass per day on three forehearths.

HORN's scope of supply includes the planning and delivery of the refractory materials as well as the complete equipment for heating, measuring and control, boosting, the batch charger for the furnace, distributor and forehearth. It is also noteworthy that the forehearth is delivered with an automatic cooling flap control, which makes it possible to set the temperature profile in the forehearth automatically after a setpoint specification of the drop temperature.

The entire construction and commissioning will be supervised and managed by HORN Glass Industries AG.

21672/Press Release – 2018.12.21

Piramal Glass



Piramal Glass has planned to break ground in Europe, starting with Glass Valley in Eu, France.

The Indian glassmaker has decided to make a name for itself in the competitive luxury bottle market, which is largely occupied by European players. It began its European business in Glass Valley, Eu, France.



Vijay Shah, Managing Director at Piramal Glass (pictured), said: "It's a complex industry with fixed costs and capacities that are therefore very sensitive to variations in demand. Even the main players in the sector have stopped growing. The strength of Piramal Glass is to be more flexible. Over the next two years, we will invest 70 million dollars (€60.4 million)."

The perfume division, at its European offices in Eu, generates 34% of its turnover.

He added: "We are leaders in India and Asia, but Europe remains the market more interesting because of the quality of the products. However, today, this market does not necessarily think of us for new launches because we are too far away. So we are working on technologies like 3D to be closer to our customers."

Piramal Glass, whose clients include Coty, LVMH and Bogart, seeks to become more anchored in Europe.

The glassmaker is also actively seeking to acquire a glassware or decoration plant in Eastern Europe, where labour costs are lower.

21673/Press Release – 2019.01.09

Moldova's Glass Container Company (GCC)



Moldova's Glass Container Company (GCC) is to upgrade its facilities in a €17 million project to expand production by 60%.

In a two-stage project, the Chisnau-based group will increase output of its furnace from 50 to 80,000 tonnes a year.

With its sister-organisation Glass Container Prim (GCP) total pull capacity will increase from the current 100 thousand tons to 160 thousand tons per year, with the number of production sections increasing from 36 to 56.

The reconstruction will support GCC's transition to NNPB technology, as well as include single, double and triple gob functionality.

This will enable GCC to expand their segment capabilities to small format jars, large containers, light beer bottles, as well as tap high-growth market niches including mineral water and baby food, among others.

The €17 million project is co-financed by the European Bank of Reconstruction and Development (EBRD) and Mobiabanca - Groupe Société Générale, as part of the European Investment Bank's Filière du Vin project, which jointly committed €12.5 million in loans.

The financing is supported by a guarantee and technical assistance programme funded by the European Union.

The upgrade will also lead to energy and material savings for GCC. It builds on a series of recent improvements, targeting sales and marketing capabilities, as well as an effort focused on automation in the finance function.

The scope of work includes the full reconstruction of its existing furnace, the installation of two modern 10-section IS machines, energy saving lehrs, quality control and packaging equipment.

Technology will be provided by industry suppliers, including Techglass, Refel, Bottero, Antonini, Emmeti, Thimon, Tiama, Iris Inspection Machines, Gardener Denver and Vidromecanica.

GCC's production capacity of 140 packed tons per day will increase to 220 tons. Jointly with GCP, capacity will increase to 440 packed tons per day.

Post-reconstruction, GCC will have NNPB capabilities, in addition to Press and Blow, while the machines, will shift from double-gob only, to cover the entire range from single to triple gob. These new capabilities will enable it to better deliver on its value proposition as a one-stop-shop for all glass packaging needs, differentiating through service and the flexibility of offering.

Oleg Baban, CEO, said: "The shortage of glass container capacity in Europe is evident. "As consumers increasingly shift away from plastic packaging, the glass market has seen a robust growth over the last years, which is expected to continue in the mid to long term. With over 60% of our production exported to 28 countries worldwide, we have already demonstrated our competitiveness in servicing more distant geographies. With this new equipment, our competitive advantage will only increase."

Miscellaneous

FEVE



FEVE commissions consumer research survey on packaging materials

When it comes to packaging for beauty, fragrance and medical products, three in four European millennials would opt for products in glass over any other packaging material, according to an independent consumer research survey commissioned by FEVE, the European Container Glass Federation.

Crucially, glass is clearly seen as the best packaging material for beauty, perfume and medical products by 77 per cent of the 2,030 consumers surveyed ahead of plastic/polyethylene terephthalate (PET) and metal across five European markets. This strong support for glass can be attributed to its environmental credentials, its ability to preserve both quality and scent of the contents, and its premium feel.

These findings are released as ADF&PCD Paris launches its annual industry show dedicated to innovation in the perfume and cosmetic packaging community.

When it comes to sustainability, 69 per cent of respondents would rate glass as the most recyclable and ocean-friendly packaging when compared to metal or plastic/PET, with a further 7 in 10 consumers recognising that glass flacons used for beauty products can be recycled with general household glass. These findings come at a time when the majority of consumers aged 18-34 claim to have become more conscious of their impact on the environment in the last year. To ensure that maximum recycling potential is reached, the glass industry has committed to raising awareness of the full recyclability of glass flacons through a public education campaign conducted via its consumer-facing awareness platform, Friends of Glass.

With our seas estimated to contain more plastic than fish by 2050 and concern over the state of our marine systems, glass is one of the most sustainable and eco-friendly forms of packaging on the shelves. No matter which packaging solution it is used for, glass material is endlessly recycled in a closed loop system. Crucially, recycled glass is the most precious resource for new production, potentially replacing the use of sand, soda ash and limestone – all raw materials which are found in nature.

21675/Press Release – 2019.01.30

DOMESTIC TABLEWARE AND CRYSTAL GLASS

Glass Companies

Arc France



French tableware manufacturer Arc International has asked its employees to work more to avoid filing for bankruptcy. The company, based in Arques, northern France, said it must re-organise itself to avoid the risk of filing for bankruptcy.

Management has presented a comprehensive two-year plan with a flagship measure: to change employee working hours. Arc International's Director General, Tristan Borne, announced the plan, titled Synergie 2020, at a works council.

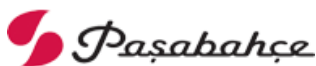
In order to finance its future growth and consolidate its leading position in the tableware market, the two-year plan Synergy 2020 is based on six measures to avoid the risk of filing for bankruptcy. They include:

- improving sales profit by creating "Business groups",
- changing working hours for all employees
- numerous retirements to help reduce labour costs
- Centralizing internal maintenance teams into one team,
- the sale of some of its warehouses following the decline of stocks in 2018, and
- the mechanising of packaging operations.

After negotiations with partners in the coming weeks to discuss the aspects of the project, the Synergy 2020 plan should be enforced by early April 2019.

21676/Press Release – 2019.01.21

Paşabahçe



Paşabahçe was granted the German Design Award in the tabletop category for its modernized Retro style Elysia series. The Elysia series, which includes top segment products and attracts attention with its plain lines far from being showy with its elegant design and glitter, reflects the spirit of modern style as well as bearing the traces of the past with three different glasses with vertical lined diamond cut.



The German Design Award competition which sets the trends in design is determined by a jury covering a wide professional area from design industry to education and science. One of the companies of Şişecam Group, Paşabahçe Cam Sanayii ve Ticaret Inc. ranks the second in Europe, and the third globally in glassware production.

21677/Press Release – 2019.01.08

REINFORCEMENT GLASS FIBRES

Glass Company

Owens Corning



Owens Corning Board of Directors elected Brian D. Chambers, 52, current President and Chief Operating Officer (COO), to succeed Mike Thaman as Chief Executive Officer (CEO), effective April 18, 2019. Mr. Thaman, who has served as Chairman since 2002 and as CEO since 2007, announced his retirement as CEO and will remain with the company in the role of Executive Chairman.

Mr. Chambers, who was promoted to President and COO in August 2018, will retain the title of President as he assumes the CEO role. Previously, he served as President of the Roofing business since 2014. Overall, he has 15 years of management experience with Owens Corning in a variety of positions, including roles with the company's Composites and Building Materials businesses. He also spent over three years as the President of Saint-Gobain's Distribution business in North America following Owens Corning's divestiture of the business in which he served as President. Over the course of his career, Mr. Chambers has held a number of senior operating roles across a range of businesses and geographies.

"This announcement is the successful culmination of a multiyear succession plan to select the best leader for the company. Brian has worked closely with the Board over the past several years, and we look forward to what he will bring to the company as CEO," stated John Williams, Lead Independent Director of Owens Corning's Board of Directors. "On behalf of the Board, I want to thank Mike for his tenure as CEO. Under his leadership, the company has significantly grown revenues and profitability, and created a sustainable enterprise that is well-positioned for the future. I would also like to thank Mike for continuing as the company's Chairman and facilitating the change in leadership during the transition period."

Mr. Chambers stated, "I am honoured to be named the next CEO of Owens Corning, and want to thank both Mike and the Board for the confidence they have placed in me to lead this strong organization. I welcome working with Mike as Executive Chairman and benefiting from his experience as we continue to grow the company."

21678/Press Release – 2019.01.03

SPECIAL GLASS

Glass Companies

SCHOTT

Schott is to invest €300 million in pharmaceutical packaging business

The Schott technology group is set to invest around €300 million in the next three years in the expansion of its glass tubing core business.

The tubing is the starting material for pharmaceutical packaging as well as pharmaceutical packaging made of glass and polymer.

Production capacities will be significantly increased in Europe and Asia in particular. “

Chairman of the Board of Management, Dr. Frank Heinrich, said: “Today, we produce pharmaceutical glass tubing that is converted into approximately 25 billion pharmaceutical packages, such as vials, syringes, ampoules, or cartridges, produced by Schott and other suppliers around the world.

“Due to the strong demand for our products, we intend to further expand our leading position. We are now sending a signal that we are strengthening our presence in Asia,” he said.

The company will build a new plant in Jinyun County, Zhejiang Province, China which is scheduled to start production in 2020 and serve the Chinese market.

The investments in the coming years for this plant will amount to a three-digit million amount. Schott has more than 900 employees at several locations in China and will create 300 new jobs by opening this plant.

It will also invest €20 million at its pharmaceutical glass plant in Jambusar, Gujarat, India. It will construct a new melting tank, new hall, energy supply and warehouse.

The investment also involves the creation of around 70 new jobs. 380 people in total will be employed at the plant. The melting tank is scheduled to begin operation in early 2020.

21679/Press Release – 2019.01.22

Corning

Corning Introduces the Industry’s First AutoGrade™ Glass Solutions.

Corning’s new Gorilla Glass for Automotive Interiors solutions are designed to address new trends, as automakers respond to consumer demand for more integrated and interactive displays.

Michael Kunigonis, vice president and general manager, Corning Automotive Glass Solutions explains that Consumers want a more connected and immersive driver experience in the cockpit. Automakers are responding by deploying displays that are larger, longer, shaped, and more integrated. Corning scientists have developed the industry’s first two AutoGrade™ cover glass solutions for auto interiors, in two-dimensional and three-dimensional formats.

SCHOTT

CORNING



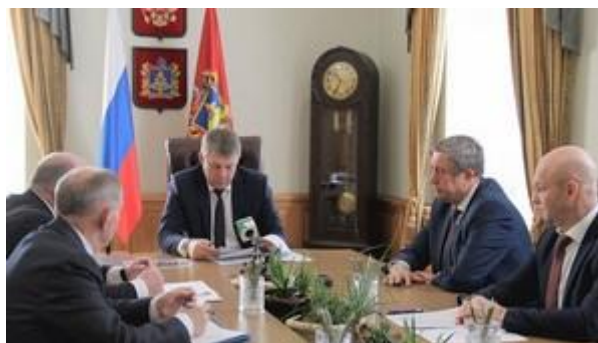
The 2D cover glass is optimized to pass industry reliability tests (using Corning's system-level design guidelines) 99% of the time, while preserving its authentic feel, superior durability, and advantaged optics for flat applications. Corning's 3D glass was developed for shaped or curved applications. It delivers the same reliability performance, when bent to shape, as the 2D cover glass.

AutoGrade™ Corning Gorilla Glass for Automotive Interiors 2D and 3D will be available for mass production in 2019, with automakers already working it into their designs for the 2020 model year.

21680/Press Release – 2019.01.23

Bryansk (Russia)

New productions are to be launched in Dyatkovo with the construction of a plant in Bytoshi and reconstruction of a glass factory in Stari.



The governor of the Bryansk region, Alexander Bogomaz, met with leaders of the Dyatkovo district, to discuss the results of socio-economic development in 2018, and plan investment and social projects for 2019.

One of these investment projects included the construction of a plant to produce glass balls (microspheres) for road marking in Bytoshi, to start in the coming months. Production volume is estimated at 15 800 tons per year.

Another project planned at the meeting sees preparation for the reconstruction of an old glass factory in Stari, where it is planned to start production of ampoules and medical glass bottles. Glass-melting furnaces will be built to produce more than a billion ampoules and vials per year. This new project will create around 400 jobs for the locals.

21681/Press Release – 2019.01.25

Vedanta



Vedanta chairman Anil Agarwal has informed about the company's future business plans that include plans to enter into the glass industry, a brand-new business venture for Vedanta, in India. Its aim is to set up a complete glass plant in Nagpur to manufacture glass for laptops, smartphones and TVs, entailing an investment of nearly USD 4-5 billion.



Anil Agarwal stated that in India, electronics are very important, Vedanta produces glass in Japan, Korea and Taiwan. The company leaders have had talks to discuss setting up a complete glass plant in Nagpur for manufacturing glass for TVs, computers and cell phones. He states it is a large project that will require a lot of technology. If the project is initiated, it could lead to as many as 50 different companies worldwide, including Taiwanese and Japanese companies, opening up business in the vicinity.

216802Press Release – 2019.01.28

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DIVERSE

GLASS & SUPPLIERS

British Glass New President

Saint-Gobain Glass UK's Managing Director Steve Severs has been appointed as the new president of British Glass.

Steve began his two-year term on January 1 taking over from Encirc's Adrian Curry, who served as president from 2017.

He has been Managing Director at Saint-Gobain since 2013 and is currently a member of the board at British Glass.



Pictured: New British Glass President Steve Severs (left) with former president Adrian Curry.

British Glass CEO Dave Dalton said: "Steve's dedication to the glass industry is exemplary and I'm sure his character and commitment will continue in the footsteps of Adrian Curry to help us guide our industry's needs through these uncertain times for the UK manufacturing sector.

"I would also like to sincerely thank Adrian for his tireless work and dedication to the role for the past two years. He's been a fantastic support to me and the whole team at British Glass and a real source of inspiration."

Steve Severs said: "I am proud and honoured to take up the role as President of British Glass and to combine with them to continue to promote the exceptional contribution of the glass industry to the UK manufacturing scene, and help represent the industry at national level in order to further promote its success and contribution."

21683/Press Release – 2019.01.22

British Glass concerned over a possible “no-deal” Brexit

British Glass, the UK glass manufacturing industry’s trade body called on Government to ensure stability for its members in the event of a ‘no-deal’ Brexit.

As Chief Executive Dave Dalton said, alongside other important UK industries, glass manufacturing is an important pillar of the UK economy. It provides food and drinks containers, glazing for housing, offices, and motor vehicles, and glass fibre for wind-turbines and electronic circuitry. These are all materials that society is built upon, as well as important elements of hi-tech sectors like aerospace, biomedical and defence.

Over 6000 jobs directly in the manufacture of glass and more than 100,000 more in the supply chain are dependent on a thriving glass manufacturing sector, and uncertainty over investment is a threat the Government needs to address quickly.

Many major plants have headquarters in the EU or elsewhere in the world and stability is key to group investment being made in the UK. Uncertainty threatens that stability and so starves investment.

British Glass maintains good relationships in Westminster and Whitehall and continues to monitor the situation, advising Government and British Glass members of the evolving situation.

Parliament must now commit to work in these extremely challenging times to ensure the maintenance and growth of the UK’s foundation industries, including glass, to foster a higher and more visible degree of certainty and so stimulate overseas investment in UK manufacturing.

21684/Press Release – 2019.01.25

AeroAggregates

AeroAggregates doubles production capacity of **foamed glass aggregates** with the completed installation of its second kiln, doubling production capacity to meet growing U.S. demand.

AeroAggregates is the first vertically-integrated company in North America to produce ultra-lightweight closed cell foamed glass aggregates from 100 per cent recycled glass. The kilns at AeroAggregates use 100 per cent post-consumer recycled glass to produce a building aggregate that is lightweight, non-combustible, insulating, free-draining, non-absorbent, and resistant to chemicals, rot and acid. Foamed glass aggregates also possess a highly frictional surface which makes it ideal as a lightweight backfill.

Archie Filshill, CEO and Co-Founder of AeroAggregates explains that the company is excited to fire up its second kiln in order to meet increased demand from the civil engineering and construction markets that require sustainable, lightweight materials due to specialized design and constructability requirements.

With the addition of the new AeroAggregates kiln, more than 140 million recycled curbside glass bottles will be diverted each year, bringing relief to municipal recycling operations. According to a recent study, municipal recycling programs spend approximately 150 million dollars a year to dispose of unwanted glass.

The foamed glass aggregates manufacturing process employed by AeroAggregates can utilize mixed colour glass and due to its advanced cleaning system is unaffected by small amounts of residual paper and other contaminants.

21685/Press Release – 2019.01.17

Ferro



Ferro Corporation, a leading global supplier of technology-based functional coatings and colour solutions, recently provided an update to its full-year 2018 guidance.

Ferro Corporation supplies functional coatings for glass, metal, ceramic and other substrates and colour solutions in the form of speciality pigments and colourants for a broad range of industries and applications. Ferro products are sold into the building and construction, automotive, electronics, industrial products, household furnishings and appliance markets. The company's reportable segments include Performance Coatings (metal and ceramic coatings), Performance Colours and Glass (glass coatings), and Colour Solutions.

Guidance at <https://www.businesswire.com/news/home/20190117005418/en/> .

21686/Press Release – 2019.01.22

Glaston Corporation to acquire Bystronic glass Group

Glaston Corporation has signed an agreement to acquire the Bystronic glass Group. The globally operating high-end machinery, systems and services provider for the processing of flat glass is currently owned by Swiss industrial holding company Conzzeta AG. Bystronic glass has a comprehensive range of products, highly complementary to Glaston's, for the Architectural, Automotive and Display markets.

Bystronic glass has a strong brand recognition based on 50+ years of industry expertise and is a market leader with an unrivalled reputation for innovation and quality. Technology frontrunner Glaston provides glass processing technologies and services for the architectural, solar, appliance and automotive industries globally. It is committed to serve clients with both the best know-how and the latest technologies in glass processing. Through the combination Glaston will become a significant player in the glass machinery business providing a comprehensive product range offering from tempering, bending and laminating through insulating glass manufacturing and glass handling to automotive and display glass pre-processing as well as services. As a result of this transformational acquisition, Glaston will have a unique and value adding offering benefitting its customers.

Arto Metsänen, President & CEO of Glaston, comments: "I am very pleased to welcome Bystronic glass's highly professional team to Glaston. We have followed the company for years and we are very impressed by the quality of its products and its transformation when it comes to both operational and financial performance."

Together we will become a leading player in the glass processing technology market for the benefit of our customers. With our combined capabilities and expertise, we will be able to offer customers equipment, services and solutions from one supplier optimizing customer operations and driving customer value.”

Dr. Burghard Schneider, CEO of Bystronic glass, adds: “We are proud of our employees for delivering significant improvements over recent years. The transaction will open a new chapter to the benefit of all stakeholders. With an enhanced systems-thinking and strengthened R&D capabilities we will shape the industry trends towards energy efficient solutions and digital integration, jointly with our new colleagues from Glaston. Together we can serve our broad, global client base even better and we remain committed to deliver flat glass processing at its best in terms of productivity, quality and cost.”

The closing of the transaction is expected by the end of the first quarter 2019, subject to regulatory approval. Glaston has secured committed debt and equity financing, subject to customary conditions and support of an extraordinary general meeting, respectively. Until the closing of the transaction, Bystronic glass and Glaston will continue to operate as two independent companies and the legal structure will remain unchanged.

21687/Press Release – 2019.01.28

SEMINARS / CONFERENCES / WORKSHOPS

Glass Technology Services Ltd – New Training Session

GTS are delivering a brand new one-day “*An Introduction to Glass Packaging*” training course on behalf of British Glass in Sheffield (UK), on **26 February 2019**.

This one-day course is tailored to those in retail, food, drink and beauty sector to help with packaging selection, design, specification and quality control. It introduces delegates to key glass packaging topics, including a basic understanding of glass manufacture, processing and properties as well as defects and failure, packaging selection and specification performance, design, decoration and environmental considerations and recycling. The course includes hands on practical sessions on glass melting and forming as well as the inspection of glass products.

Delivered by leading specialists in their respective fields, the course allows delegates the opportunity to raise issues specific to their own products and experience, and includes question and answers sessions.



Further information and booking, please visit:

https://www.britglass.org.uk/ga-retail?utm_source=GTS&utm_medium=press&utm_campaign=IntroPack201901

Article link: <https://www.glass-ts.com/news/new-training-an-introduction-to-glass-packaging>

21688/Press Release – 2019.01.22

Glass Technology Services (GTS) Training Programme 2019



GTS announced an extended training programme for 2019 due to increasing demand from across the glass industry and wider supply chain.

The 2019 programme features not only an increased number of introductory and technical events, but wholly new courses and workshops developed following feedback and requests from our client-base.

Please find herewith the list of the courses for 2019:

Wednesday, 6 March 2019	#PharmaGlass (1 day workshop);
Tuesday, 26 March 2019	Glass appreciation – an introduction to glass (1 day course);
16-18 April 2019	Glass failure analysis (3 day course);
Wednesday, 8 May 2019	Fundamentals of Glass (1 day course);
Tuesday, 9 September 2019	An introduction to glass packaging (1 day course);
Tuesday, 10 September 2019	Glass appreciation – an introduction to glass (1 day course);
Wednesday, 9 October 2019	#PharmaGlass (1 day workshop);
15-17 October 2019	Glass failure analysis (3 day course);
Wednesday, 13 November 2019	Fundamentals of Glass (1 day course);

More info at: <https://www.glass-ts.com/training>

21689/Glass Technology Services Press Release – 2018.12.13

DGG-USTV

The German Society of Glass Technology (DGG) and the French Union for Science and Glass Technology (USTV) are calling for papers for the 93rd annual joint meeting, which will take place on **13-15th May 2019 at the Maritim Hotel in Nürnberg, Germany.**

Seven sessions will take place.

- Session one will be held on 'High temperature properties/ Hot forming, secondary manufacturing, link properties structure/ Mechanic of Glass';
- Session two will cover 'Glass for Optics/Fibers/ Laser Application on Glass';
- Session three will demonstrate 'Glasses in Healthcare'
- Session four will be on 'Thermodynamics, Redox, Colour/ Furnace, Energy and Environment'.
- Session five will be held on 'Glass surface and alterations/coatings/Heritage';

- Session six will cover ‘Glass Ceramic/Crystallization/nano-and microtexturation’
- Session seven will be ‘modeling from the atom to the final product: Process control, data mining and deep learning in the glass industry.’

There will also be activities, including: the ‘International School, Thermodynamics of Glass (TC3 ICG, USTV, DGG) in Erlangen, Sunday 12th May 2019; a special session of FunGlass – Centre for Functional and Surface Functionalized Glass; Oral and poster presentations on a variety of topics relating to glass; a students special programme and workshops on the theme of glass in German.

The DGG-USTV conference is 14 days earlier than usual.

21690/Press Release – 2019.01.11

GPD Finland 2019



The Glass Performance Days (GPD) event in 2019 will celebrate its 27th year of service to the glass industry, from 25 to 28 June 2019.

The technical sessions of the conference and workshops will address the challenges the industry faces today regarding the ever-changing demands on City planning, building design, energy-efficiency and environmental fit. A special focus will be on the contribution of new glass technologies to these demands.

The early bird participant registration fee for GPD Finland 2019 workshops, conference and exhibition ends within the next 24 hours. The registration fee is presently €950 + VAT 24%. After the deadline, the fee will be €1150 until 30 April 2019, and thereafter €1250.

If you choose to participate in a workshop, workshop fees will be charged in addition to the conference fees. Each workshop is €150 + 24% VAT.

Calling for papers is ongoing, and abstracts are still being accepted. The final deadline for submitting abstracts is 27 January 2019.

To see the registration fees and register, click:

<https://gpd.us10.list-manage.com/track/click?u=a865f4b251e1897d5ba548c9f&id=87148bfd9&e=c3eb320b90>

More general info at <https://gpd.fi/events/gpd-finland-2019/>.

21691/Press Release – 2019.01.17

ICG -11th Workshop Montpellier (France) 8-12 July 2019

The 11th workshop for new researchers in glass science and application is to be held in Montpellier (France) 8-12 July 2019.

The 11th workshop for new researchers in glass science and application will be composed of two interwoven threads.

The first thread will overview fundamentals in glass science emphasising structure-property relationships, experimental techniques, material simulations and tools that probe structure. Specific properties and applications will be discussed e.g. optical behaviour, transport phenomena, nucleation and crystallisation, and strength.

The second thread this year will focus on glasses for hazardous waste immobilization, to echo the importance of the nuclear industry and other significant areas of waste disposal. Attention will be given to glass formulation and structure, longterm corrosion behaviour, as well as melting technologies for nuclear waste glasses. The lecturers will be world experts in their fields. A significant aspect of the workshop will be student-centred projects that will help participants to develop their understanding by applying what they know to specific issues.

A more complete programme will appear soon on the ICG website: www.icglass.org
Participation will be limited to 20 Glass Applications and 30 Glass Science applicants.
Pre-registration deadline 15 April 2019 by email to verres2019@mycema.fr.
Registration deadline 15 May 2019.

21692/Press Release – 2019.01.17

80th Annual Conference on Glass Problems



The 80th annual Conference on Glass Problems at the Greater Columbus Convention Centre in Columbus, Ohio 28–31 October 2019 invites engineers, educators, students, and solutions providers working on various aspects of glass manufacturing to submit an abstract for an oral presentation

The 80th annual Conference on Glass Problems will be held once again at the Greater Columbus Convention Centre in Columbus, Ohio, 28-31 October 2019, and invites engineers, educators, students, and solutions providers working on various aspects of glass manufacturing to submit an abstract for an oral presentation at this premier industry conference.

This conference is the largest glass manufacturing conference in North America and attracts glass manufacturers and suppliers worldwide to exchange innovations and problem solutions. The conference is co-organized by the Glass Manufacturing Industry Council and Alfred University, and provides expert lectures, panel discussions and focused courses and symposia, along with exhibiting and networking opportunities.

The topics of interest for this convention broadly include glass melting & quality, combustion and heat transfer, refractories, process control, sensors and Industry 4.0, modelling of glass melting and processing, raw materials, batching and recycling, forming issues and container customization, environment safety, emissions and respirable silica, carbon reduction, energy management and electric boosting, furnace design and reconstruction, furnace life extension and maintenance and any new topics relevant to glass manufacturing.

21693/Press Release – 2019.01.08
