

Olivotto Glass Technologies unveils AI GIOTTO platform

During the China Glass 2021 exhibition held in Shanghai in May, Olivotto Glass Technologies (OGT) unveiled its cutting-edge industrial IoT platform, GIOTTO.

A global enterprise principally engaged in the conception, research, design, development, manufacture and integration of advanced-technology equipment and services, OGT has nearly 75 years of experience and expertise providing hollow glass systems and pharma packaging lines. In a year still dominated by the Covid-19 pandemic, equipment for pharma tubing and vials is a major market sector.

China Glass attendees had the opportunity to see the intelligent tubing manufacturing system on active duty in real time, with many reportedly providing the feedback that GIOTTO is a “must have” tool in the next tubing lines.

GIOTTO helps specialists to avoid quality issues and improve production by monitoring factors of influence and reacting quickly where required. It

analyses machine sensor data to detect patterns, anomalies and identify potentials for optimising the production process and machine configuration. Based on neuronal networks (AI), the system can reveal hidden patterns and relationships between machine configuration, operation parameters and product quality issues.

Behind the GIOTTO platform there is a mixed team of domain experts and data science specialists using cutting edge analytic tools and algorithms to ensure rapid results.

Currently GIOTTO's main applications are in tubing glass but it is a comprehensive industrial platform for all glass processes, designed to increase production efficiency and effectiveness by extensive use of artificial intelligence

In the last decade OGT has delivered several turn-key plants for the Glass and Rock Wool production and, more recently, equipment and assembly lines for PV-modules as well.

www.olivotto.it ●



Olivotto's AI platform GIOTTO helps to highlight potential for improvement in glass production processes.

Johnson Matthey protects planet with new performance inks

As a global leader in sustainable technologies, using cutting-edge science to create solutions that will benefit the environment is an important part of Johnson Matthey's development plans. The company's precious metal inks are formulated using raw materials such as gold, silver and platinum, which are, by their very definition 'precious', not only in terms of what they provide to users, but as finite natural resources. As businesses and brands respond to huge changes in consumer activity – and growing environmental awareness – the ability to do more with less of these materials has never been more important.

To meet customer demand for better value as well as existing standards of technical performance, Johnson Matthey rejected the idea of re-formulating with less material and has instead gradually introduced products with lower overall precious metal content.

Where 10–12% precious metal content was once 'normal', the

company now consistently offers products with 8–10% content, and in some cases 7% is possible. By offering more products with a lower overall precious metal content, JM has extended choice across its range and created additional value from the efficient transformation and use of critical natural resources.

www.matthey.com ●



Johnson Matthey is introducing better value products with lower overall precious metal content whilst retaining technical performance.

Gerresheimer signs up to UN Global Compact

Producer of pharmaceutical and cosmetics packaging Gerresheimer has become a Signatory to the United Nations Global Compact (UNGC), the world's largest sustainability initiative.

The UNGC is a global network of over 9,500 companies and 3,000 non-business participants who jointly commit to support sustainable business practices whilst observing the Ten Principles of the UNGC relating to Human Rights, Labour, Environment and Anti-Corruption.

Joining the UN Compact underlines Gerresheimer's commitment to working with its partners and other stakeholders towards achieving its globally overarching sustainable development goals.

A key requirement for participation in the UN Global Compact is the annual submission of a Communication on Progress (COP) to describe how the implementation of the Ten Principles is moving forward. Gerresheimer integrated a mapping of these Ten Principles to its sustainability targets and actions in its 2020 Annual Report.

The company's ambitious corporate goals include cutting CO₂ emissions by half until 2030, integrating Ecodesign criteria as a fixed component of new product development and reducing the number of occupational accidents.

www.gerresheimer.com ●

Corning plans optical fibre plant in Poland

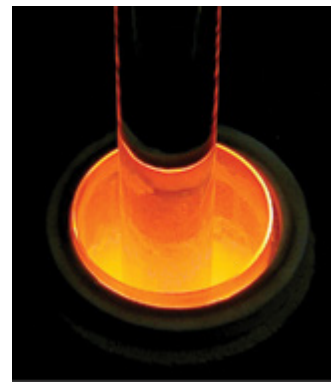
Materials science specialist Corning has announced plans to build a state-of-the-art optical fibre manufacturing facility in Mszczonów, Poland. The new facility, which will be one of the largest optical fibre manufacturing plants in the European Union, is expected to open in 2022.

“Demand on the network is at an all-time high. Along with a global surge in data traffic, users are requiring higher-performance connections,” said Dr Bernhard Deutsch, Vice President and General Manager, Corning Optical Fibre and Cable. “Bandwidth demand in Europe and the surrounding regions continues to increase, notably through investments in 4G densification, 5G, fibre to the home, and data centre networks,” he added.

Corning's Optical Communications manufacturing operations in Poland date back to 2001, when the company opened a plant in Lodz.

“Corning is one of the world's leading innovators. We are pleased the company has selected Mszczonów for its optical fibre manufacturing facility,” said Józef Kurek, Mayor of Mszczonów. “This investment speaks volumes to the talents of our local workforce.”

www.corning.com ●



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