



## PRESS RELEASE

### Verallia moving fast forward with industry 4.0 with Glass Service

**Paris (France) – Vsetin (Czechia), April 20<sup>th</sup> 2021** - Verallia has deployed over the last four years an ambitious plan to roll out Glass Service Expert System III (**ES III<sup>TM</sup>**), an advanced control system that enables to face industry 4.0 challenge with process chain digitalization in order to release productivity barriers.

Most Verallia container glass factories are equipped with this **ES III<sup>TM</sup>** system, which improved the stability and resulted in an automated cruise control of furnaces and forehearths. This contributed to energy savings and reduction of CO<sub>2</sub> emissions as well as a better control and stability of Verallia NO<sub>x</sub> emissions. In addition, it decreased the defects linked to inclusion in the glass thanks to a better control of the furnace temperatures. The aim is to achieve industrial excellence using the least possible resources and ensure zero defects at the customers' sites.

Verallia was awarded in September 2020 by the RH&M Group and received the Artificial Intelligence (AI) and Enterprise Trophy, which highlights the transformative role of AI in organisations.

Glass Service developed **ES III<sup>TM</sup>**, an advanced control system which includes connected instrumentation, data analysis, machine learning and model based predictive expert control including human experience. It has been installed on over 300 furnaces worldwide and has become the leading solution for improved furnace and forehearth controls.

Romain Barral, Head of Operations at Verallia, comments: *“Verallia is keen to collaborate with best experts who can help us progress in our operations, achieve industrial excellence, and decrease our environmental impact. One lever is to digitize our industrial equipment to have a better control of our processes with self-diagnostic capabilities and improve our production performance. This project is the result and the success of Verallia teams who were able to train and adopt this new tool, so they can focus on more strategic tasks, as analysing data and make decisions to ensure the best running of furnaces.”*

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**About Verallia** – At Verallia, our purpose is to re-imagine glass for a sustainable future. We want to redefine how glass is produced, reused and recycled, to make it the world's most sustainable packaging material. We work in common cause with our customers, suppliers and other partners across the value chain to develop new healthy and sustainable solutions for all.

With around 10,000 people and 32 glass production facilities in 11 countries, we are the leading European and the third largest producer globally of glass containers for food and beverages, providing innovative, customized and environmentally friendly solutions to more than 10,000 businesses around the world. Verallia produced more than 16 billion bottles and jars and achieved revenues of €2.5 billion in 2020. Verallia is listed on compartment A of the Euronext Paris stock exchange (Ticker: VRLA – ISIN: FR0013447729) and belongs to the SBF 120, CAC Mid 60, CAC Mid & Small et CAC All-Tradable indexes. For more information, visit [www.verallia.com](http://www.verallia.com).

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**About Glass Service** – At GS, we supply innovative services, as well as hardware and software products to improve glass melting, conditioning and forming efficiency worldwide. With over 100 people and offices located in 10 countries, we are the leading provider of technology, software and hardware to the glass industry to improve automation and glass quality while lowering CO<sub>2</sub> and NO<sub>x</sub> emissions. Besides **ES III**<sup>TM</sup> GLASS SERVICE GROUP provides furnace design simulations, defect analyses, audits & benchmarks, A.I. NIR furnace camera, specialized high quality melters and raw materials. For more information, visit [www.gsl.cz](http://www.gsl.cz).