

## Workshop »Digital Data creates value – recognising and exploiting opportunities«

### Data and its application to improving Large Area Glass coating

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Saint-Gobain Glass currently operates more than 10 industrial glass coating facilities worldwide and coats around 100 million square meters of glass for a range of products used in the Façade, Automotive and Windows markets. These facilities generally operate 24/7 and each one can produce a range of different products including low-e and solar control glazing. These products consist of multiple sputtered thin film layers of metals and dielectrics, the properties of which need to be optimised to reach specific optical, electrical, and mechanical requirement.

In the context of developments in Industry 4.0, we have been working on how to optimise the performance and productivity of such coating lines by the collection and analysis of production data from both in-situ and ex-situ measurement systems and to develop software and procedures to significantly reduce the time lost when switching production from one product to another and to simplify the optimisation of production parameters

In this presentation we will discuss some of the approaches where we can use digital tools and data and analysis to enable the rapid and effective optimisation of the production of coated glass products. We will present some of the approaches we use and discuss the application of different tools.