

Nuremberg, February 1, 2018

Anuga FoodTec 2018, Cologne, Hall 7.1, Booth C-071/C-079

Siemens showcases digital value chain for the bakery and confectionery industry

- **Trade fair slogan “Digital enterprise – implement now”**
- **“Digital twin” boosts innovation speed and productivity**
- **MindSphere apps capture and analyze production and process KPIs**

Siemens will be exhibiting at this year’s Anuga FoodTec in Cologne, the leading global food production trade fair, under the banner “Digital enterprise – implement now”. Over a booth measuring around 160 square meters, Siemens will be demonstrating how industrial enterprises of all sizes can benefit from the digital transformation – from the digital value chain at the engineering phase through to the integration of machines into the production line.

Rapidly changing consumer expectations are placing companies under increasing pressure to turn around ever more customized products within the shortest possible time, and all to an optimum, consistent standard of quality. The key to successfully addressing this challenge is digitalization: It allows companies to simulate, test and optimize products, production processes and plants in a totally virtual environment on the basis of a “digital twin”.

Using examples taken from the food industry, the exhibits on show at the booth are designed to bring home to visitors how digitalization can enhance flexibility and allow even customized, individual products to be mass produced. Visitors will also have the opportunity to find out more about energy management, manufacturing operations management and security. Siemens will additionally be demonstrating how producers can use the digital twin of a product, machine or a whole plant to generate added value. When creating a recipe for a new product, for instance, data relating to the

ingredients is transferred directly to the label, taking into account legal rules and regulations. This is made possible by using the Teamcenter shared data platform. Using the plant's digital twin, it is also possible to test out planned changes to the plant and what effect they will have on production capacity. This capability permits the food industry – as applies in general to all sectors of the manufacturing and process industries – to significantly increase its innovation speed and boost its productivity, and also to take the lead in defining whole new business models. This development can also benefit machine and plant builders and allow them to pass the advantages on to their customers.

At the Anuga, Siemens will also be illustrating how companies can respond flexibly to changing market demands – such as the growing diversity of different flavors – across every stage from food processing to packaging, labeling and filling. Visitors to the show will have the chance to experience at first hand how chocolate bars can be precisely manufactured to individual customer order. The scope offered by digitalization enables consumers to design products and packaging in line with their own personal tastes. This facility will be illustrated by Siemens at the Anuga using the example of chocolate processing – from the product idea through actual manufacture and filling to packaging and labeling using end-to-end automation and data utilization. Digital twins of the products, plants and production lines are simulated and optimized with special software. Using several different processing stations, Siemens will be illustrating how this process works for visitors to the booth. Fair-goers can also experience how KPIs (Key Performance Indicators) of relevance for the whole production line or a particular process element can be visualized and evaluated using specific apps in the cloud-based open IoT operating system MindSphere.

This press release is available at www.siemens.com/press/anuga

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