

E-BREWERY

Virtualizzazione, sensing e IoT per l'innovazione del processo produttivo industriale delle bevande

The project aims to define new production models for a smart factory, based on an extremely innovative paradigm already being investigated in other areas: the “slicing” of a production plant.

IoT devices and HW/SW resources of an intelligent factory will be virtualized and “dynamic service chain” techniques will enable the dynamic composition of services and their specialization to particular (present and future) identified production needs. An enabling technology will be Fog Computing that will support the retrieval, processing, storage in the edge of the network of data generated by IoT devices used across the entire production chain. It will be associated with efficient Big Data analysis tools and new sensors and devices specifically designed to support the newly introduced production models. The latter will refer to the production process of **craft beer**, a fermented drink of great trend and exponential expansion especially in Italy on the wave of a new behavioral model in which this drink has become the drink of choice for young people throughout Europe.

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