

Modernisation of food processing through digitisation and Industry 4.0

Main benefits of the digital and Industry 4.0 solutions for the food industry:

- Flexible production of customised products at costs similar to mass production.
- Cost reduction - proportional use of resources - energy, water, ingredients, packaging material, labour force to mass flow - and better design of process flow.
- Reduction of environmental impact.
- More reliable control of food safety and quality.
- Simulation, design and optimisation of processes and plant through
 - optimisation of the production process of a new product;
 - reduction of change-over time, increasing the exploitation of line capacities;
 - prediction of maintenance, reduction of down time.
- Reduction of the shortage of labour force.
- Assistance to staff for carrying out complex tasks.

Campden BRI Hungary offers:

Inventory of R+I needs of the food industry for potential application of digital and I4.0 solutions

Inventory of digital and I4.0 solutions potentially applicable in the food industry

Matching

- Experience in matching food industry needs and digital and I4.0 solutions.
- Practical experience in adapting digital and I4.0 solutions in the food industry.
- Defining the operational conditions, constraints of application of digital and I4.0 solutions.
- Validation of food safety and quality outcomes.
- Experience in European transdisciplinary projects: Connsensys, S3Food, FoodManufuture, EFFAT Study on Digital skills in Food Industry, SmartAgriFood, Flnish, Coolsave, IMSFood.
- Networking: S3+ European Workshop in 2018, 2019 September, EIT Digital.
- Building communities of the food industry, and digital & knowledge solution providers.

CampdenBRI Hungary Ltd contacts: András Sebők, a.sebok@campdenkht.com and Attila Berczeli, a.berczeli@campdenkht.com