ACTIVITIES IN THE FOOD AND BEVERAGE INDUSTRY

SIDAT, spol. s r.o. (Ltd.), has been operating in the food and beverage industry since the beginning of the 1990s when the first wave of reconstruction and modernization of important Czech breweries, dairies, bakeries, and other food-processing plants began.

At the end of the 90s we began to expand our initial automation supply and services for the food and beverage industry with the supply of industrial informatics category systems. Currently, the supplies and services provided by SIDAT cover complex automation and informatics solutions for production systems, lines, and technologies of the food & beverage production.

Based on more than twenty years of experience in the field, the high professionalism of its supplies, and also the complexity of such services, SIDAT has established itself not only domestically, but also with foreign customers during the previous years.

We have realised projects in automation of processes and technologies in the food and beverage segment for all of the technological areas of breweries (brew house, CCT, filtration, pasteurisation, BBT, filling, packaging, cooling and other utilities), soft drinks production plants (pasteurisation, filling, cooling, and other utilities), dairies (milk entry, pasteurisation, production lines, packaging, and labelling), and pastry and confection bakeries (preparation and mixing of raw materials, product transportation, baking, packaging, and labelling of products).

The majority of such projects included the complete spectrum of supply and service: e.g. consultancy; TCO&ROI analysis; engineering design; hardware supplies; application software development and commissioning on site; training customer personnel; after-sale support that includes spare part deliveries and hot-line services, too. Of course all activities concerning the project management are available. Our services were based on the control, HMI/SCADA, communication hardware and software of reputable companies such as Siemens, ProLeiT or Wonderware.

Industrial informatics projects in the food and beverage segment, which we have implemented in all areas of the food industry (breweries, soft drinks production plants, dairies, bakeries), primarily focused on reduction of production costs, increased operability of production technology, and increased production effectiveness.

The most prestigious applications rested in projects of complete collection, archiving, and evaluation of production data from the whole production process (production data, energy consumption data, data on operation of production facilities), including presentation of detailed information on individual production batches. It resulted in modern industrial information systems that provide complete information on running production to managers. These projects were solved on the Siemens, ProLeiT, and Wonderware platforms.

For our customers who emphasise efficient utilisation of energies/media and/or who need to monitor utilisation of production facilities and lines while looking for a favourable price level of the supplied product, we have developed and repeatedly deployed a solution based on our own SIDAS IEM and SIDAS OEE industrial information system platform.

Based on many years of supply and service to the food industry professionally provided by SIDAT and its complex know-how in this area, Siemens awarded SIDAT Industry Partner Food & Beverage status in 2013. Together with previously awarded certificates in the industrial automation and industrial informatics fields, SIDAT achieved unique professional company status on the Czech, as well as all-European scale.

Among our many customers from food and beverage industry we are proud to have:

Breweries

User	Description of the project
HEINEKEN Krusovice	Supply of the complete control system of the whole brewery on the SIEMENS/Pro-LeiT platform
HEINEKEN Krusovice, Brno	Supply of the SIDAS IEM and SIDAS OEE information systems for energy monitoring and OEE monitoring
Plzensky Prazdroj	Upgrade of PMIS (Production Management Information System) running on the AspenTech IP.21 and Batch.21 platforms
Popovice Brewery	Modernisation of the control system for the bottle line and KEG line
Rakovnik Brewery	Reconstruction of the control system for malt entry, BBTs and pasteurizer

Plants producing non-alcoholic beverages

User	Description of the project
Coca-cola HBC	Solution and integration of "Pallet&Labelling" within MIS/MES on the SIMATIC IT platform for 24 production plants in Europe
Gerolsteiner	Monitoring of production and OEE within MIS/MES on the SIMATIC IT platform

Dairies

User	Description of the project
Danone, Benesov	Modernisation of the control system for the APV 1/2 production lines, milk intake
Danone, Benesov	Modernisation of the cooling system
Danone, Benesov	OEE monitoring at packing lines a energy monitoring on the SIDAS OEE platform

Bakeries

User	Description of the project
KRAFT, DELI Lovosice	Reconstruction of the control system for entry weighing and dosing of raw materials
DELTA, Kladno	Reconstruction of the control system for entry weighing and dosing of raw materials
KRAFT FOODS, St. Petersburg	Solution and integration of "Pallet&Labelling" within MIS/MES on the SIMATIC IT platform