

SIDAT

AUTOMATION —
— INFORMATICS

COMPANY PROFILE

COMPREHENSIVE AUTOMATION

PRODUCTION INFORMATICS

INTEGRATION OF DIGITIZED PRODUCTION

HW AND SW DELIVERIES

SERVICE 24/7

COURSES AND TRAINING

The company **SIDAT spol. s r.o.** was established in the spring of 1990. Even today the firm is still 100% Czech owned. **In the year 2023** we celebrated **33 years of our existence**. we have 100 employees, and reach turnover nearly 400 million Czech crowns.

In a full **3 decades** we automatized and by production information projects equipped manufacturing technologies in amount of more than **40 billion Czech crowns**. Today we have **500 actual clients** and the overall volume of realized projects **exceeds over 3500**. Whole groups, of which are of a professional level reaching speed and realization in the range of **absolute peaks** in their field, also in **international context**.

The firm has offices in **Prague** and **Brno**, providing delivery of services and supplies in the six main branches, interleaving and complementing each other:

COMPREHENSIVE AUTOMATION

PRODUCTION INFORMATICS

INTEGRATION OF DIGITIZED
PRODUCTION

HW AND SW DELIVERIES

SERVICE 24/7

COURSES AND TRAINING

Our daughter company **SIDAT DIGITAL** located in Bratislava (Slovakia) completes the SIDAT portfolio by other three branches:

DIGITAL TWIN TECHNOLOGY

INTEGRATION OF PHYSICAL
AND DIGITAL TECHNOLOGIES

COMPLETELY DIGITIZED PRODUCTION

COMPREHENSIVE AUTOMATION

The mainstay of our activities is mostly in production of food and beverages, construction materials and in the chemical, pharmaceutical, automotive industries and waste water treatment and waste disposal.

On the basis of our extensive experience over the course of our activities on the Czech and European markets, we in particular apply the control platforms, such as Siemens, Emerson Process management, ProLeiT and others.

The portfolio of our deliveries and services includes not only creation of application SW for the process and visualisation level, but also a wide scope of other related deliveries and activities:

- ▶ deliveries of electrical equipment including planning and deliveries of switching cabinets and cabling
- ▶ design and deliveries of measurement and control elements
- ▶ computer and communication hardware deliveries
- ▶ design, assembly and installation works
- ▶ creation of application SW both for process and visualization levels
- ▶ commissioning in the end user's environment including staff training
- ▶ post-warranty system maintenance and further support within the framework of Service 24/7 and HW and SW deliveries programmes
- ▶ qualified management of the whole project, even the eventual position of a higher supplier

PRODUCTION INFORMATICS

The centre of our activities is mainly in the food and beverage and manufacturing/processing industry.

Except for our own platform SIDAS[®] R3 (which can monitor the use of the manufacturing base, solve the task of optimizing the use of energy and secure DNC/CNC tasks integration into the company structure) we are implementing in this area also control platforms and commercial products of top world producers, as e. g. Siemens (portfolio Simatic IT/Opcenter), AspenTech (MES AspenTech), Microsoft (MS SQL) and others.

Our solutions in the area of production informatics (MIS/MES, PMIS, EMI, LIMS and the like) cover a wide spectrum of supplies and services:

- ▶ consultancy, creation of customer requirement specifications and efficient solution proposal
- ▶ virtualizing of the control architectures.
- ▶ computer and automation HW delivery
- ▶ implementation of process, production and operation data acquisition and archiving systems
- ▶ application SW development and delivery and introducing it into the operation of the company environment
- ▶ company staff training
- ▶ post warranty system maintenance and further 24/7 support within the framework of Service 24/7 and HW and SW deliveries programmes
- ▶ qualified management of the whole project, even the eventual position of a higher supplier

INTEGRATION OF DIGITIZED PRODUCTION

In the range of projects from the category comprehensive automation or production informatics for the past 15 years we have been solving the problem of digital manufacturing processes and integrating their data with the rest of the subsystems in the production company.

From our recent acquiring of knowledge and experience we were able to systematically introduce the solutions suitable for implementing totally digitized production.

One of the many application cases are e. g. the latest achievements of the platform SIDAS[®], mainly its newest version SIDAS[®] S3 with the use for small and middle-sized production companies.

The next example is a practical “cookery-book” focused on the step-by-step fulfilling the presumptions for doing the digitized production executable. The principal issues here are the secure and fail-safe network architectures, standardized and unified interfaces for both horizontal and vertical links within the control architectures and the existence of digital models for production/manufacturing lines and their virtual commissioning.

The significant services in this field are to be assigned to the impact of the company **SIDAT DIGITAL** (see the separate brochure).

HW AND SW DELIVERIES

In terms of this area, we offer our customers a wide range of deliveries of computer HW and standard SW, components and systems of electrical and field instrumentation and spare parts using our stand-by warehouse and online shop.

SERVICE 24/7

This company scope includes comprehensive 24/7 warranty and post-warranty service based on multi-level structure and interaction with rapid (in main cases) spare parts delivery from our stand-by warehouse or from online shop eventually.

COURSES AND TRAINING

In our own Training Centre, the standardised and specialised courses and training sessions/workshops for designers and employees of operators of automated production systems are provided.

MORE ABOUT THE COMPANY SIDAT

Since years we are the certified application partner of some prestigious world-leading producers.

According to our experience all themes concerning the production over reach an understanding of the professionals investing response and future managements modernization action.

We deploy **our own products** enabling effective industrial manufacturing and raising the ability with the installed technology.

We are **renowned specialists** in solving critical emergency situations during the running of automated production.

Based on the up-to-now experience from done projects in the field of production digitizing, we offer our clients a set of **professional consultancy and industrial advising**, both for designing and implementing, as well as operating the digitized production.

Through courses and workshops, we can also contribute to appropriate personnel education to be qualified for the needs of the client.

We are able to assist and support the customer during the whole modernization process, in particular in the commissioning phase. That's why our customers feel a strong and effective business relationship.

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