

SIDAT

AUTOMATION —
— INFORMATICS

COMPANY PROFILE

COMPREHENSIVE AUTOMATION
PRODUCTION INFORMATICS
INTEGRATION PROJECTS
AND INDUSTRY 4.0
CUSTOMER CARE

30

THIRTY YEARS
ON THE MARKET

3

ACTIVE ON THREE
CONTINENTS

30

THIRTY COUNTRIES
WHERE WE IMPLEMENT
OUR PROJECTS

300

THREE HUNDRED
CURRENT CUSTOMERS

3000

THREE THOUSAND
IMPLEMENTED PROJECTS

30 000

THIRTY THOUSAND
KILOMETRES OF SERVICE
TRIPS ANNUALLY

SIDAT

AUTOMATION —
— INFORMATICS

SIDAT spol. s r.o. (Ltd.) was established in the spring of 1990. To this day, it is fully owned by Czech nationals. **In 2020**, the company commemorates **30 years of its existence**. It employs almost 100 people and reaches a turnover of a quarter billion Czech crowns.

Over the past **3 decades**, we have automated processes and supplied informatics projects for production technologies exceeding **CZK 30 billion** in the Czech Republic alone. Today we have **300 current customers**, and the total number of implemented projects **exceeds 3,000**. Many of these projects represent top achievements in terms of the desired effects, scope or speed of implementation, and represent **the best in the given field**, even **at an international level**.

Branches in **Prague** and **Brno** currently provide services and deliveries in four main areas, which are mutually interconnected:

COMPREHENSIVE
AUTOMATION

PRODUCTION INFORMATICS

INTEGRATION PROJECTS
AND INDUSTRY 4.0

CUSTOMER CARE

COMPREHENSIVE AUTOMATION

The focus of activities in this area is mainly in the production of food and beverages, production of building materials, in chemical and pharmaceutical industries in the automotive and wastewater treatment.

Based on extensive experience gained during our operations performed in the Czech and European markets, we deploy and provide HW and standardized SW control and visualisation platforms made by the world's leading manufacturers such as Siemens, Emerson Process Management, ProLeiT and others.

The set of supplies and services in this area includes creation of application SW used for processing and visualisation levels, and a wide range of other related supplies and activities:

- ▶ electrical supplies, including design and supply of switchboards and cable systems
- ▶ design and supply of measurement and control components
- ▶ design and supply of computer and communication HW
- ▶ application SW for process and visualisation level
- ▶ assembly and installation work
- ▶ commissioning performed under end-user environment, including staff training
- ▶ after sale system maintenance and other support within the Customer Care programme
- ▶ qualified management of the entire project, even from the position of a higher supplier

PRODUCTION INFORMATICS

The mainstay of activities in this area is on the food and processing industries.

In addition to our own SIDAS® (SIDAS® OEE and SIDAS® IEM platforms used for monitoring the utilization production base and for energy consumption optimisation tasks), we also deploy control platforms and commercial products made by the world's leading manufacturers such as Siemens (Simatic IT / Opcenter portfolio), AspenTech (MES AspenTech) and Microsoft (MS SQL).

Our solutions dealing with production informatics (MIS/MES, PMIS, EMI, LIMS, etc.) include a wide range of supplies and services:

- ▶ consulting, elaboration of user requirements specifications and basic design
- ▶ virtualisation of control architectures
- ▶ computer and automation hardware supplies
- ▶ acquisition of process, production and operational data and its archiving
- ▶ delivery of application software and its commissioning performed in the end user environment including staff training
- ▶ after-sale system maintenance and other support within the Customer Care programme
- ▶ management of the entire project, possibly also from the position of a higher supplier

INTEGRATION PROJECTS AND INDUSTRY 4.0

Over the past 15 years we have been dealing with a number of projects in the comprehensive automation and/or production information category and provided solutions for digitalization of production processes and data integration with other production company subsystems.

The acquired knowledge and experience have enabled us to begin working systematically on the introduction of production systems compatible with Industry 4.0. In 2017, we became one of the founding partners of the Industry Centre 4.0 at the Czech Centre for Informatics, Robotics and Cybernetics (CIIRC) at the Czech Technical University in Prague.

Here, as part of a national initiative, we participate in the development of solutions suitable for the transformation of domestic manufacturing companies into production systems utilising **Industry 4.0** principles. In the first phase, these solutions focus on the integration of standardised and secure network architectures, HW control systems integration including unification of interfaces for horizontal and vertical links using virtualisation techniques, and simulation and virtual commissioning of production lines and systems. Starting in **2020**, these solutions should provide an implementation platform for specific projects which are based on industrial practice.

CUSTOMER CARE

Within this program we offer a wide range of supplies and services to our customers. This is an addition to our activities provided in the previous three areas. Part of this extensive support includes in particular:

- ▶ supplies of computer HW and standardized SW, elements and electrical systems used in field instrumentation including spare parts – using our own warehouse and e-shop
- ▶ 24/7 complex service and support
- ▶ standardised and specialized courses and training for designers and employees of operators who use automated production systems. Training takes place in our own training centre.

The Training Centre has been operating within our company since 1994, and since 1995 it has been authorised by Siemens to provide courses and trainings focused on Siemens technology. Over approximately 25 years, more than 4,600 successful graduates from Czech manufacturing companies, design companies and other institutions have passed through our Training Centre.

CONSULTING

We also provide advisory and consulting for all fields.

Due to its integration character the preparation and implementation of projects in the field of comprehensive automation, production information and Industry 4.0 represents, in many cases, the most professionally demanding and complex activity in automation at all.

This is mainly because they not only combine **technical aspects**, which include, for example, application of migration methods, virtualization, modern data storage platforms and application of Internet technologies based on one-level communication architectures, but also recovery and commissioning methods used during running production, yet also **non-technical aspects**, which include preparation and management of human resources and operational economics.

Based on our experience, all these topics often exceed the knowledge and professional competence of the investor or, rather, the future operator of the modernisation project.

We are **certified application partners** of the world's leading companies. We deploy our **own products** which streamline industrial production and increase the operability of installed technologies. We are a **renowned specialist** in resolving non-standard and emergency situations related to automated production processes.

Thus we offer a **set of design and investment advisory and consulting** to our customers. This can be used especially during preparation phases, i.e., preparation of feasibility studies or investment plans, when preparing documents for tenders focused on supplies and engineering deliveries, the selection of supplier/s and the settlement of relevant business obligations. Services may include the proposal of a scenario for the end-user staff quality training, , as well as a proposal to participate in specific courses, trainings and, where appropriate, workshops.

With applications of integration projects and Industry 4.0. also deals **SIDAT DIGITAL s. r. o.**

SIDAT

DIGITAL —————

This company is based in Bratislava and currently provides services and deliveries in three main areas:

DIGITAL TWIN TECHNOLOGY

INTEGRATION OF PHYSICAL AND DIGITAL TECHNOLOGIES

INDUSTRY 4.0

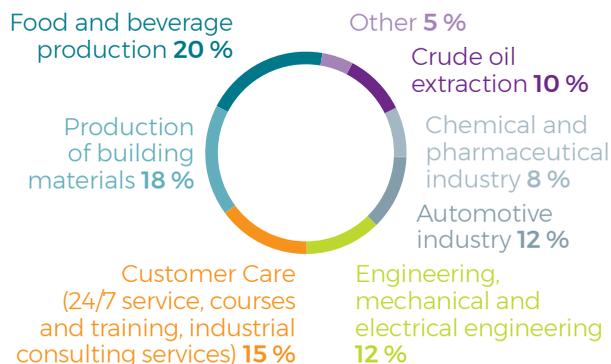
Detailed information can be found in separate promotional material.

REFERENCES

We are very proud that many important domestic and foreign companies and multinational corporations belong among our customers, such as e.g.:

AGC	Lasselsberger
Asahi/ Plzeňský Prazdroj	Lhoist
Carlsberg	Maersk Oil Qatar
Coca-Cola	MolsonCoors/ Staropramen
Continental	Mondelez
ČEZ	Nestle
DZD	PKN Orlen
Faurecia	PSP Engineering
Heidelberg Zement	PVS/PVK
Heineken	Siemens
Holcim	Statoil
Howden/ČKD	TRW
KERMI	Valeo
KRAFT Foods	VW/Skoda Auto
Kronospan	Wrigley
Lafarge	Zentiva

ACTIVITY FIELDS OF THE COMPANY IN 2019



**MODERNISE
AND DIGITALIZE
YOUR AUTOMATED
PRODUCTION.**

**SIDAT
IS READY
TO GUIDE YOU
ON THIS JOURNEY.**

SIDAT

AUTOMATION —
— INFORMATICS

SIDAT, spol. s r.o.

Jinonická 80, 158 00 Praha 5, Czech Republic

Staré náměstí 9/8, 619 00 Brno, Czech Republic

info@sidat.cz / www.sidat.cz

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