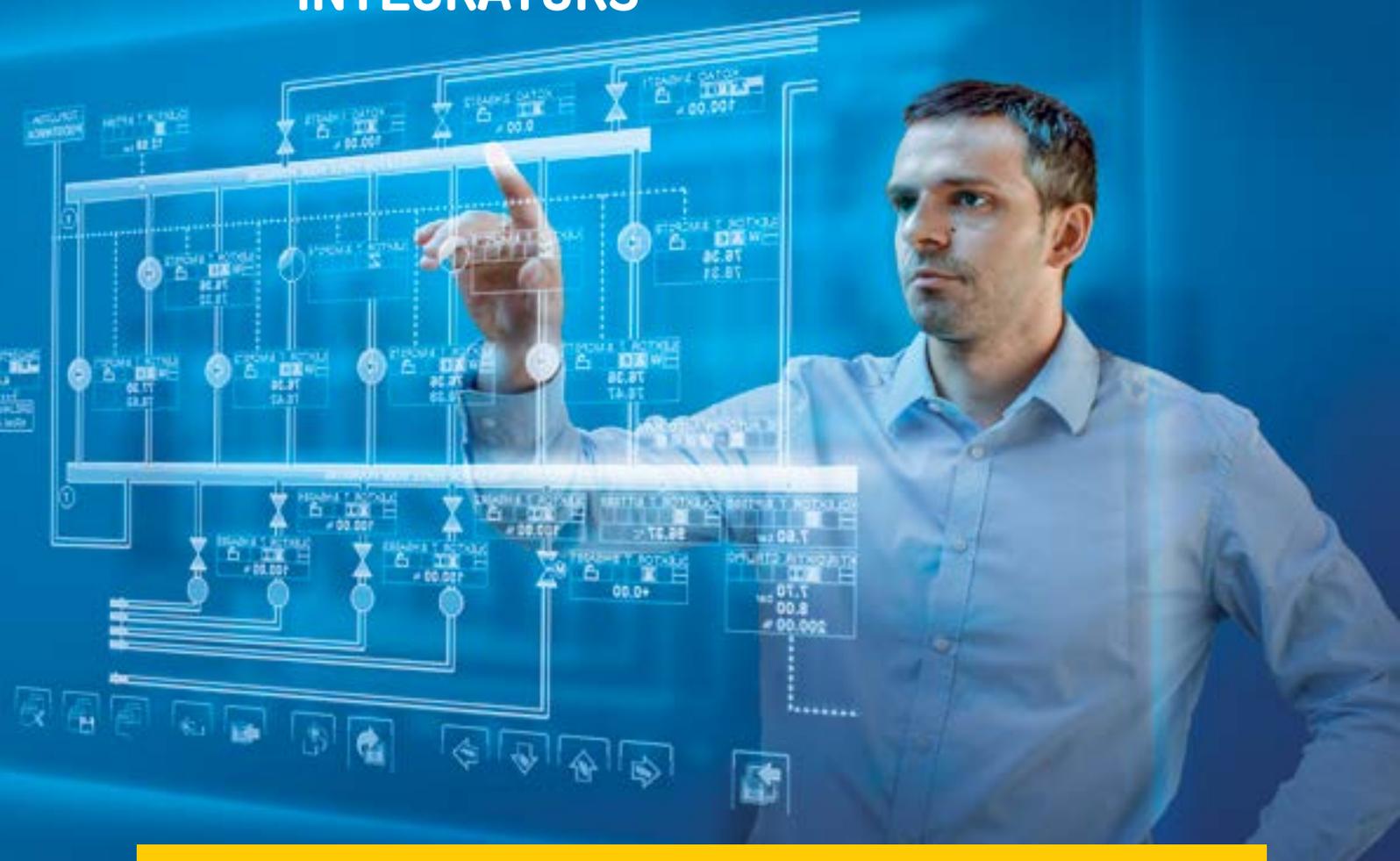




**AMONG THE TOP 100  
GLOBAL SYSTEM  
INTEGRATORS**



**QUALITY AND RELIABILITY IN AUTOMATION**



## COMPANY GOALS

“To offer the highest quality to our customers is our primary goal.

To be chosen as a reliable partner is our ultimate satisfaction.

To keep up with the global trends, to be a leader in the automation world, to invest in latest technologies and education of our employees, is our strategic commitment.”

“That is why we will strive to remain a trustworthy partner

**FOR MANY YEARS TO COME.**”

Dragan Vranić, CEO

# ABOUT US

 **28**  
YEARS

 **30**  
ENGINEERS

 **800**  
PROJECTS

Decades of experience and innovative solutions

Our company was founded in Belgrade, Serbia in 1996. With core business in industrial automation, during the course of over two decades, we have completed more than 800 complex automation projects. These projects covered a wide spectrum of industries and were based on a variety of software and hardware platforms.

Our solutions are customized to fit various requirements of our customers, that include such companies as ThyssenKrupp, FLSmidth, Strabag, Dobersek Engineering, Hesteel, Bor Copper Industry, Fiat, CRH Cement, Lesaffre Biospringer, Tetra Pak, etc.

In 2018, we established our German office in Dortmund, in order to extend our operations to foreign markets.

# WHAT WE DO

As a System Integrator in industrial automation, we bring together various hardware and software components in our projects as parts of larger systems. In addition, we combine electrical equipment and engineering services, in order to create the best solutions for our customers.

As an independent System Integrator, we are fully capable of delivering highly customized solutions based on a variety of platforms from top global manufacturers such as Siemens, ABB, Schneider Electric, Yokogawa, Omron and Rockwell Automation.

We are committed to delivering high quality solutions for each of our projects.

## ELECTRICAL DESIGN

Conceptual design

Basic design

Detailed design

As-built design

Design review

We will come up with an electrical design that will be optimal for our customer's needs. On a conceptual level, design is the key to scope of the project and its execution.

Our design solutions always enable fast and smooth implementation, without a need to purchase any non-essential equipment.



## CABINETS ASSEMBLY

PLC and DCS cabinets

LV cabinets

Drives and MCC cabinets

E-houses assembly

In our workshop, we assemble cabinets customized to fit the needs of our customers. They include control cabinets, LV power cabinets, and MCC cabinets. Control cabinets embed PLCs and DCS. The assembling includes the mounting of the equipment into cabinets, the wiring, as well as the labelling.

We assemble our cabinets according to the latest European standards, LV regulations, safety regulations, and EMC regulations. We are able to provide CE marking for every piece of equipment we produce or install.

## APPLICATION SOFTWARE

PLC  
DCS  
HMI and SCADA

Our application software solutions are based on PLC, DCS, HMI, and SCADA. PLC is most suitable for sequential and discontinued processes, typically in material handling machines and packaging machines. DCS is indispensable for industrial process plants which can be found in metal processing, power and chemical industries, cement production, and sugar processing. HMI & SCADA help visualization of industrial processes and data storage with checks of history of changes.



## TESTING & COMMISSIONING

FAT  
No-voltage commissioning  
Voltage commissioning  
Functional testing  
Initial run

Commissioning is a process that ensures that all the electrical and mechanical components are designed, installed, tested, and set up according to the operational requirements, as defined by the Customer (an OEM, an EPC, or an End User). Commissioning involves a set of engineering techniques and procedures to check, inspect and test all the functions and other operational components of the project.



## SITE MANAGEMENT & SUPERVISION

Our site management and supervision activities include running operations on a day-to-day basis in coordination with the customer's personnel. Its purpose is to ensure everything is done safely and on time, according to all the applicable standards, and within the allocated budget.

Mounting supervision includes quality checks and control of installations.



## AFTER-SALES SUPPORT

Following the project completion, we offer to our customers two additional services: training and maintenance.

We can offer the training related to the efficient management of complete electrical equipment. Alternatively, our engineering team can offer a professional equipment maintenance for components and systems.



# INDUSTRIES WE OPERATE IN

Our company has a proven track record of successfully completing numerous engineering projects in industries such as mining, metals, power, chemical, water, food, oil & gas, cranes, mechatronics and others.

They vary in size and some of them even go beyond the scope of automation by including installation of MV up to 35kV and supervision of mechanical works on field.

We are a reliable partner of OEMs,  
EPCs and End Users

## MINING

### **Sandvik**

Automation and Full Electrical Works on Spreader 8800 m<sup>3</sup>/h

### **ThyssenKrupp Industrial Solutions**

Automation and Full Electrical Works on Bucket Wheel Excavator 6600 m<sup>3</sup>/h

### **Dobersek Engineering,**

Complete Electrical System for a Portal Bridge Stacker, Uchquduq, Uzbekistan

## METALLURGY

### **Bor Copper Mine**

Automation of Copper Anode Weighing and Casting System

### **US Steel**

Control and Supervising System of Technological Converter Line No. 3 and Line No. 4

### **Copper Mill Sevojno**

Blast Furnace Control System



## WATER TREATMENTS

### **Ebara Corporation**

SCADA System of Belgrade Water Supply

### **Bor Copper Industry**

Automation Control System for Neutralization of Sulphuric Acid

### **Prov Rvati Raska**

Wastewater Purification Plant



## POWER PLANTS

### **Fiat Chrysler Automobiles Serbia**

Automation of Heat Production Plant

### **Subotica Heating Plant**

Control System of Boiler Heating Plant

### **Ugljevik Thermal Power Plant**

Control System for Flue Gas Desulfurization



## CHEMICAL & PHARMACEUTIAL

### **Josef Meissner GmbH**

Automation of Cellulose Nitration Plant

### **Henkel**

Dosex Control System Reconstruction and Modernization

### **Elixir Group**

Electrical Equipment and DCS for Phosphoric Acid Concentrate Production Line



## FOOD PROCESSING

### **Sugar Factory Sunoko**

Molasses Desugarisation Process Control System

### **Heineken**

Clean-in-Place Cistern Washing Control System

### **Alltech**

Yeast Extract Plant Control System

## CRANES

### HE PP Djerdap

Modernization of Two Gantry Cranes  
160/50t

### HE PP Zvornik

Modernization of a Portal Crane 2x110t  
and 2x15t with a Bridge Crane 10t

### HE PP Potpeć

Modernization of a Gantry Crane 100/15t

## OIL & GAS

### NIS Gazprom Neft

Heating Circuit Control System

### NIS Gazprom Neft

Oil Bunker Station Control System

### Yokogawa

Cabinets Assembly for Ethylene  
Production Plant

## MECHATRONICS

### 9. Septembar

Duo HoReCa Napkin Production Line  
Control System

### Opti-Run GmbH

Automation of HST Folder Gluer  
Machine

### STAX Technologies

Automation of RCP and URB Machines  
for Toilet Towels Rolls Packing

## OTHER INDUSTRIES

### Trayal doo

Rubber Mixer Control System  
Modernization

### CRH Cement Factory

Automation of Clinker Transport system

### SIA KMM METAL Riga Latvia

Control System for Vertical and  
Horizontal Casting Machines for Bronze  
Profiles

# OUR PROMISE

We promise all our clients a highly professional and fully encompassing system integration experience

We are committed to delivering high quality solutions for each of our projects. No exceptions.



## EFFECTIVE SOLUTIONS

Innovative design tailored exactly to your needs.

Smooth trouble-free implementation.



## COST EFFICIENCY

Highest quality solutions at competitive prices



## TOP QUALITY

Engineering services of highest quality.

Long-term relationship built on trust.



## NO LOCK-IN

Free to make your own modifications afterwards.



## TIME SAVING

Respect for your deadlines.

Keeping ahead of the schedule.



# CERTIFICATES & RECOGNITIONS

Delivered engineering solutions are fully aligned with the latest technical standards and norms and in accordance with the manner of good engineering practice

Over the years, Mikro Kontrol has obtained numerous certificates and licenses. The standards of quality include ISO 9001, 14001 and 18001 certificates. The company is also member of CSIA and VDE engineering associations.



ISO 14001



ISO 9001



ISO 45001

Mikro Kontrol is a proud member of



For nine consecutive years, Mikro Kontrol has been selected as one of the **top 100 Global System integrators by Control Engineering Magazine**, the leading global magazine on control systems and industrial automation.

**SYSTEM INTEGRATOR GIANTS 2022**

# OUR TEAM

What really distinguishes one company from another are its people. Thanks to our employees we have been successful for the past 28 years. Our company is a balanced mixture of experienced engineers, technicians, sales and marketing team, as well as system support operators.

Our employees are our greatest value

Our engineering team consists of 30 electrical engineers licensed to implement the most demanding tasks.



Following the global trends and innovations, we will constantly invest in education of our employees in order to remain a leader in the automation world.

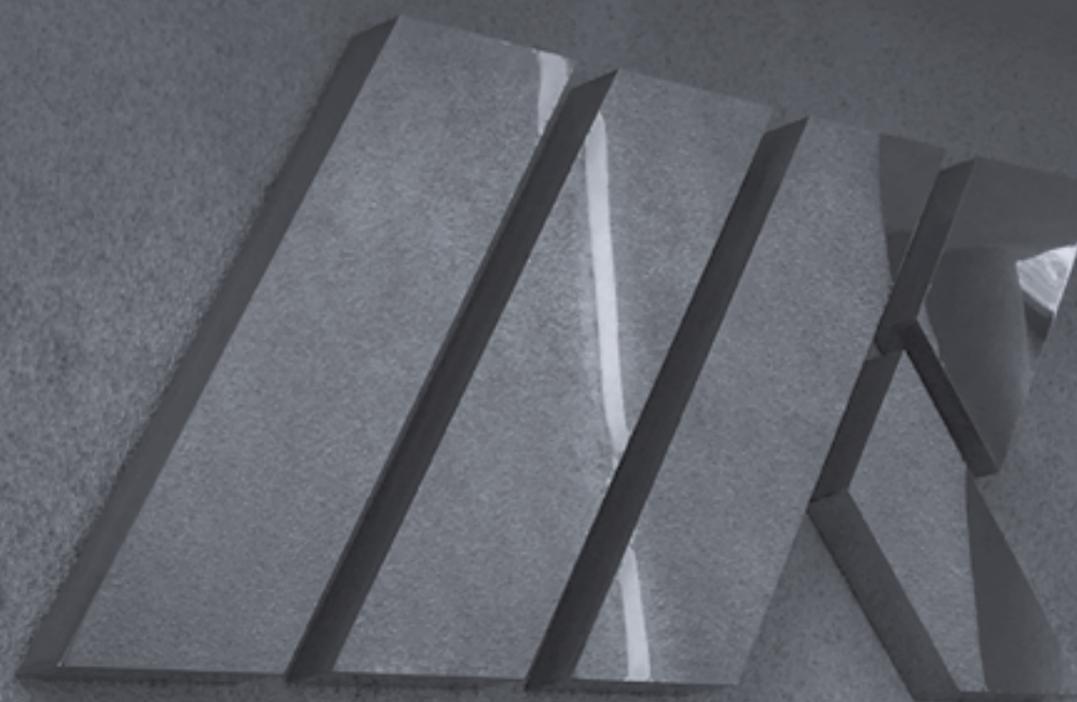
Visit us at our premises in  
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