





Decades of experience and innovative solutions







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** 

**Voltage commissioning** 

No-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 incoordination 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.







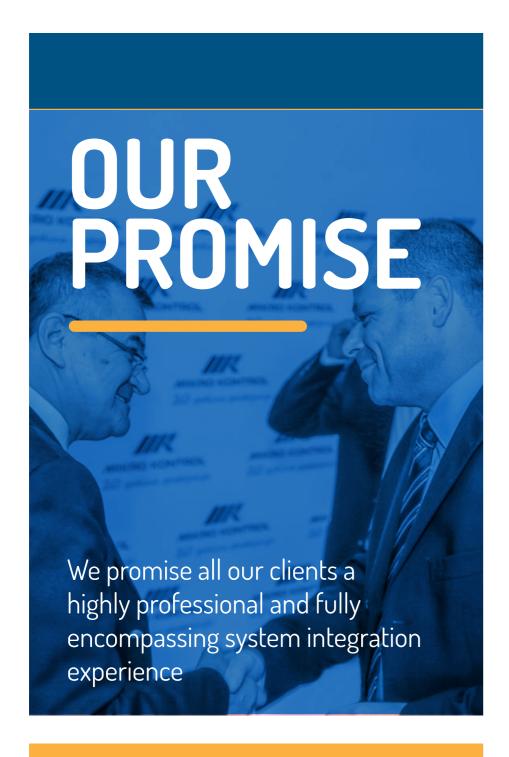
We are a reliable partner of OEMs, EPCs and End Users











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.





# RECOGNITIONS

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

### MIKRO KONTROL

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.







Mikro Kontrol is a proud member of



For six 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.







Our employees are our greatest value





Our engineering team consists of 40 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 Germany and Serbia!

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