iskra
vzdrževanje
strojegradnja

Your partners – excellent solutions !

Kranj 2016, Slovenija

About us

- Company was established in 1949 in Kranj, Slovenia, Europe
- 5,10 Mio EURO turnover (2015), 68 employees, 15 R&D
- Machine Engineering company

automation automotive

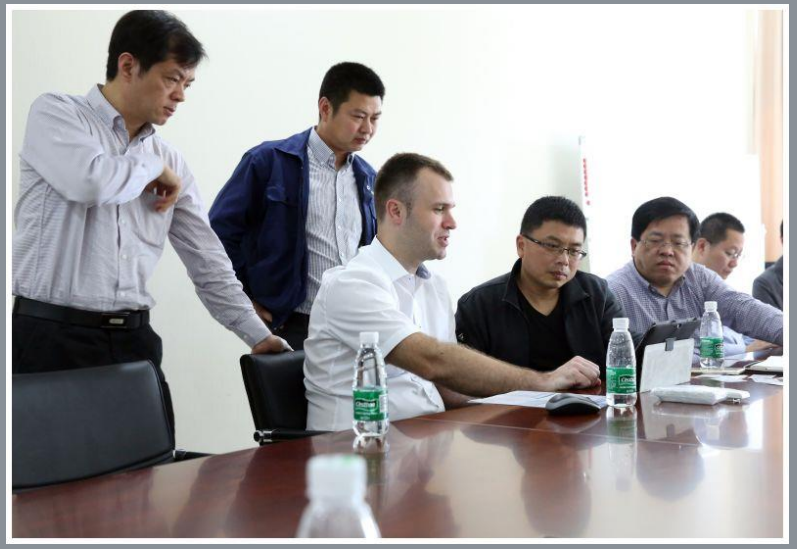
automation electroindustry

- ISO 9001:2008 certified

About us

What makes ISKRA‘s solutions so special?

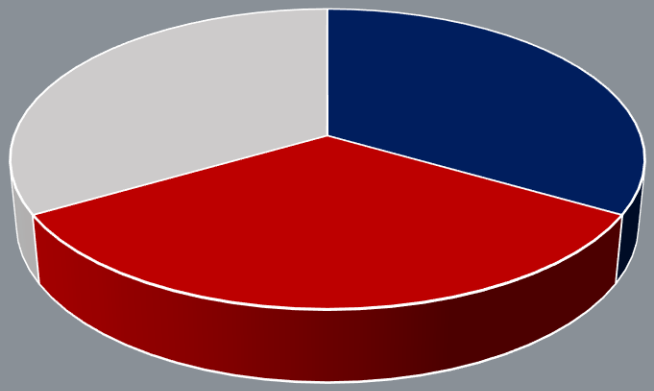
- Extraordinary approach
- High professional development and certified top quality
- Iskra‘s services



Iskra Philosophie

UTMOST TASK FULFILMENT

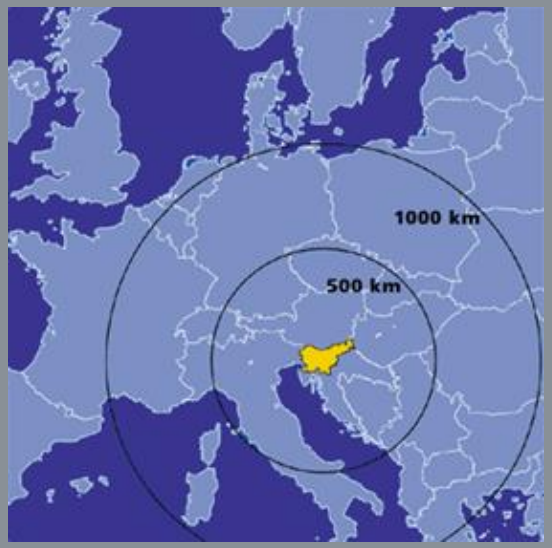
EVERTHING FROM ONE SOURCE

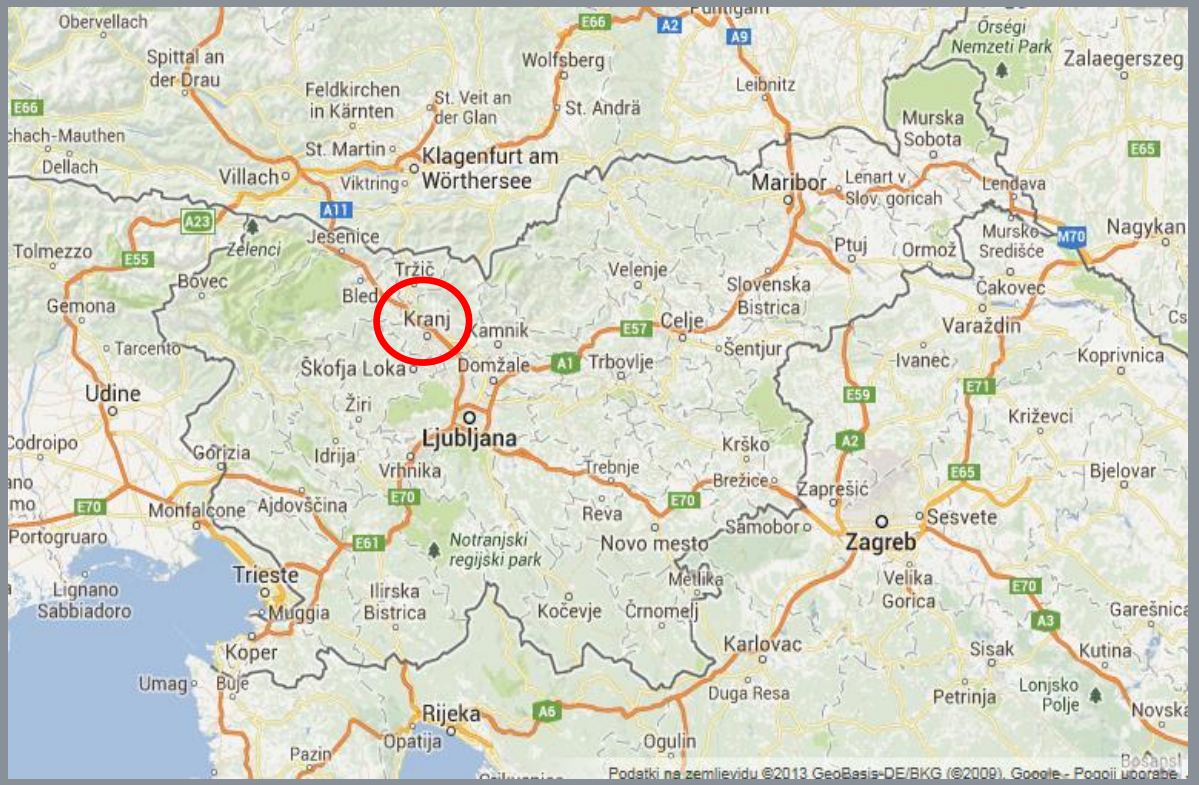


COMPLETE SOLUTIONS

Location

- Company is located in Kranj, Slovenia, Europe





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AUTOMATION PROGRAM

AUTOMATION PROGRAM

Assembly lines….

- Screwings, Insertings, Manipulations, ….

AUTOMATION PROGRAM

Assembly lines….

- …. Robots, ….

AUTOMATION PROGRAM

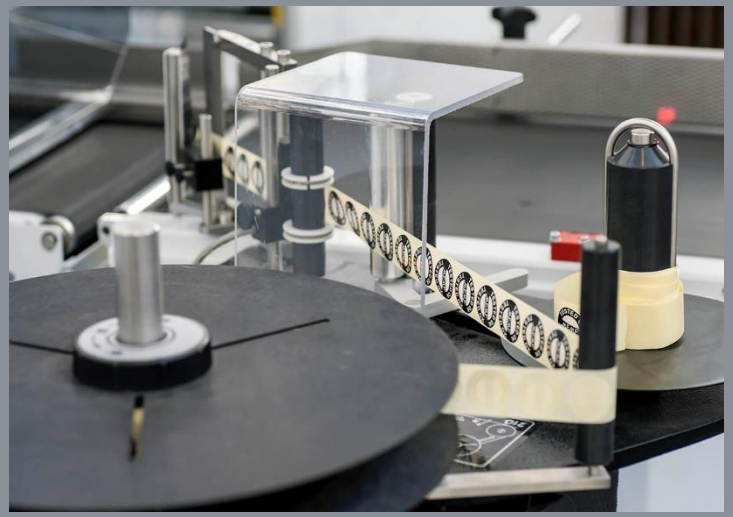
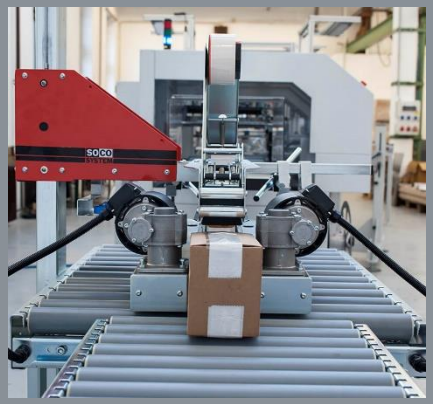
Assembly lines….

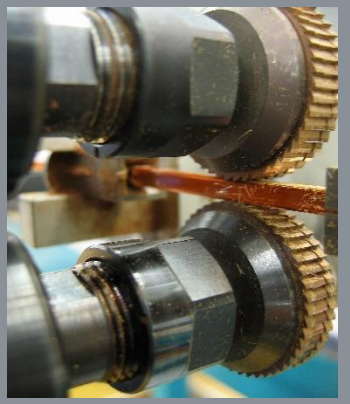
- …. special conveyors, ….

AUTOMATION PROGRAM

Assembly lines….

- ….etc.



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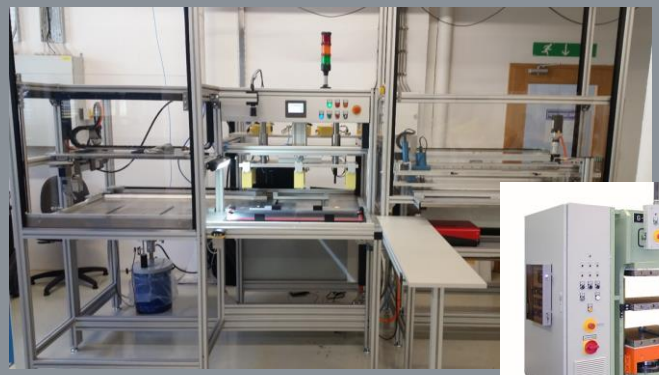
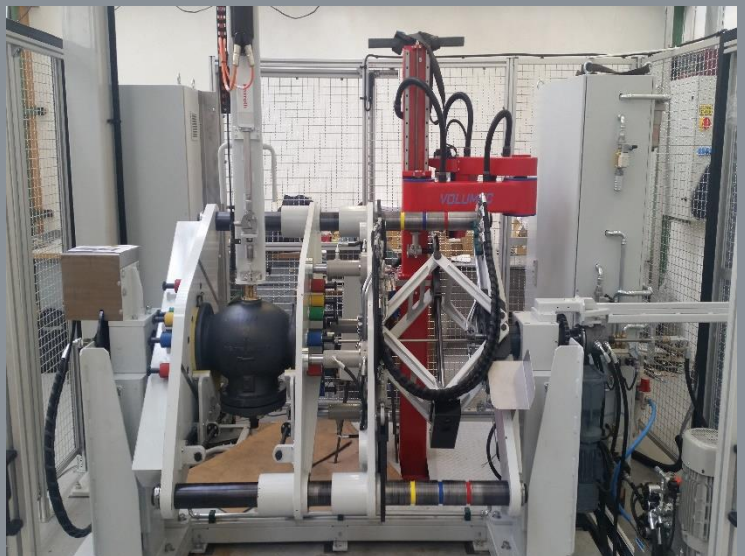
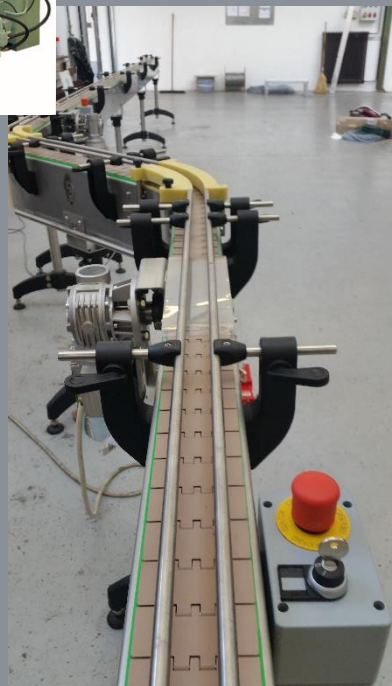
AUTOMATION PROGRAM

Special Machines – Customer Design







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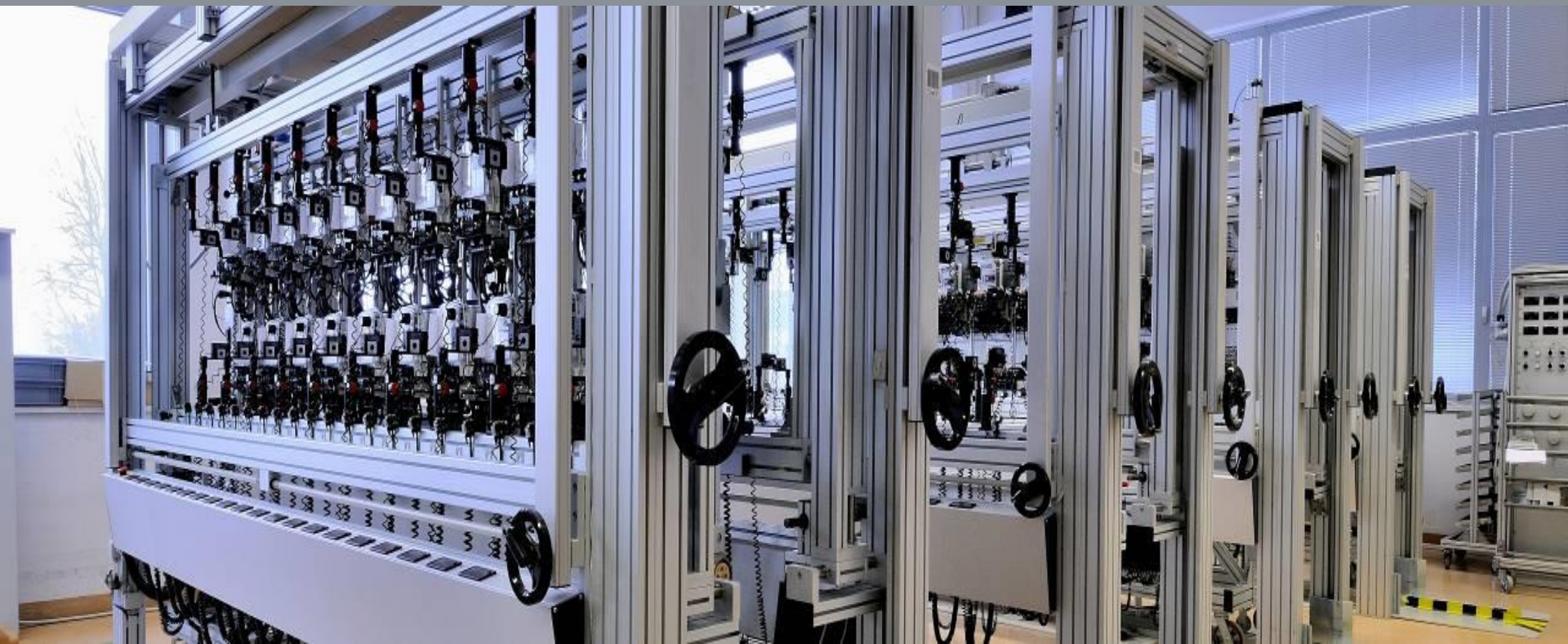
MEASURING AND TESTING EQUIPMENT PROGRAM



M&T EQUIPMENT

Iskramatic CATS (Computer Aided Test System)

- System for simultaneous testing up to 80 electric energy meters.
- Completely meets standard IEC60736 (Testing equipment for electrical energy meters).
- Enables measurement of meters in compliance with standards: IEC 62052-11, IEC 62053-21, IEC 62053-22 and IEC 62053-23.

M&T EQUIPMENT

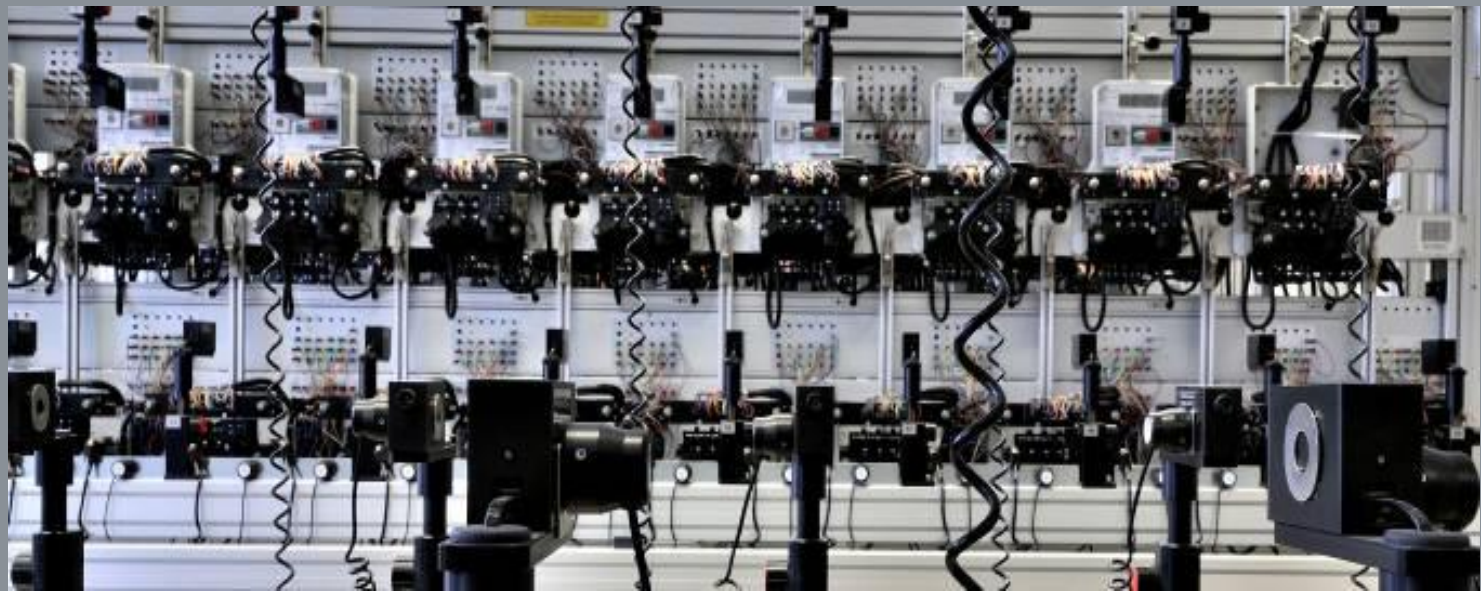
Iskramatic CATS (Computer Aided Test System)

- Modularity – step by step upgrade and modernisation of systems by elements.
- Enables testing meters of classes 0.2, 0.5, 1 and 2 or A, B and C classes according standards EN 50470-1, -2 and -3.
- Testing of meters with different constants.

M&T EQUIPMENT

Iskramatic CATS (Computer Aided Test System)

- Energy comparison method.
- Automatic or semi-automatic procedure implementation.
- PC controlled process.
- Support for special variant of meters.



M&T EQUIPMENT

Iskramatic CATS (Computer Aided Test System)

- Power supply
- Reference standard meter
- Construction (racks, tunnels,…)
- PC and printer
- Variant equipment
- Software CATS

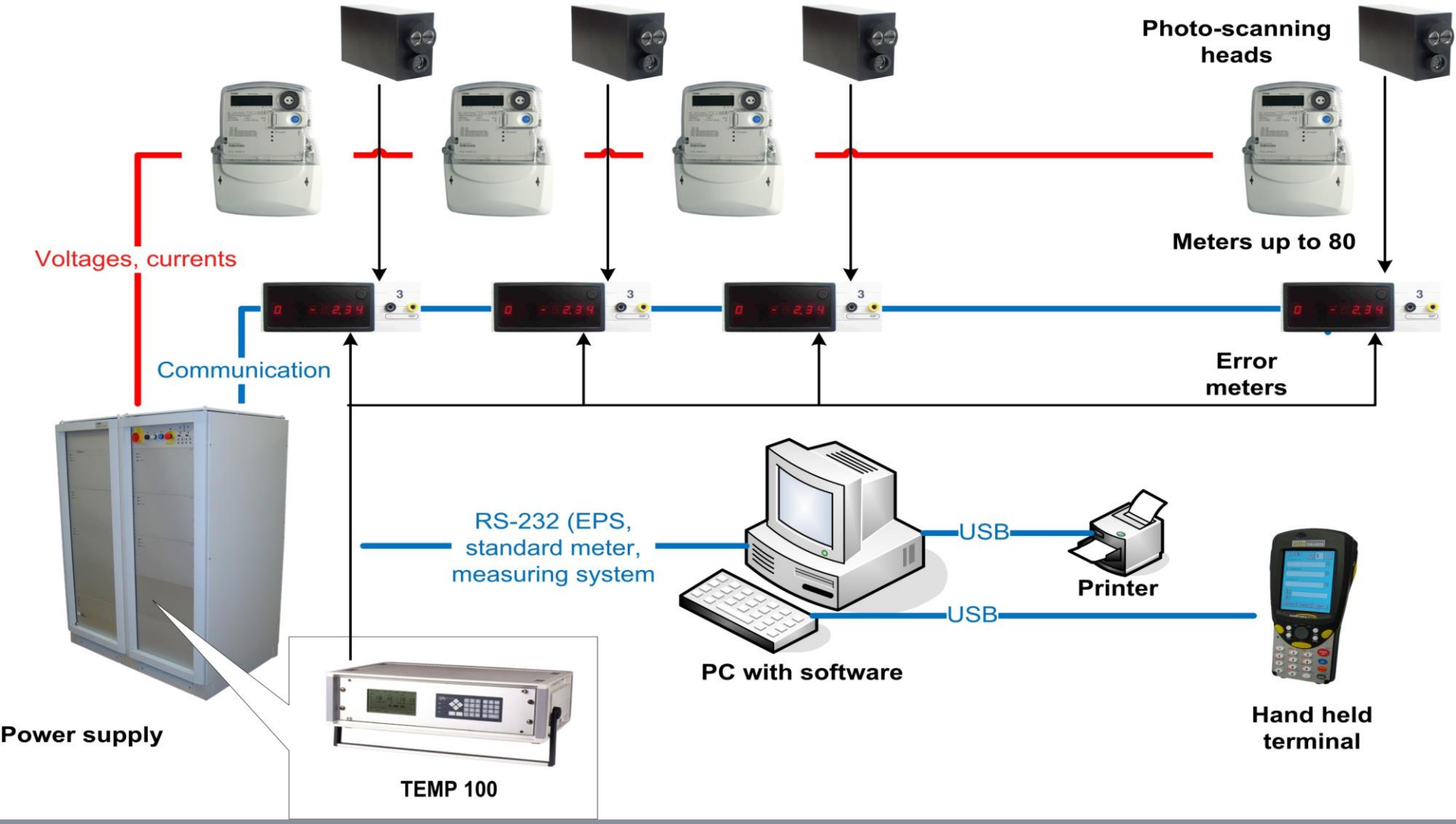


Photo-scanning heads
Meters up to 80
Voltages, currents
Communication
Error meters
RS-232 (EPS, standard meter, measuring system
USB
Printer
USB
PC with software
Hand held terminal
Power supply
TEMP 100

M&T EQUIPMENT

Power sources

- Voltage source 30-320 V L-N
- Current source 60, 120 A or 200 A
- Phase angle 0° up to 359,99°
- Harmonic generation
- Controlled over RS-232 or keyboard/display

M&T EQUIPMENT

Reference standard meter TEMP-100

- Accuracy 0.05% or 0.02%
- Measuring of P, Q, S, PF, f, Urms, Irms
- Single-phase and three-phase (two or three-element) active or reactive
- TDM technique
- Controlled over RS-232 or keyboard/display
- Bench top casing variant

M&T EQUIPMENT

Auxiliary devices

- Error meter
- Photo-scanning head
- Quick acting connector
- Hand held terminal

M&T EQUIPMENT

Auxiliary devices

- Multi-Secondary Voltage Transformer (MSVT)
- Isolation Current Transformer (ICT)

M&T EQUIPMENT

Special devices

- Starting and running with no-load device, Warm-up device
- HV tester
- Device for functional test of PCBs

M&T EQUIPMENT

Constructions

- Fixed variants
- Tunnel variants
- Special variants
- Racks

M&T EQUIPMENT

Constructions

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- Tunnel variants
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M&T EQUIPMENT

Constructions

- Fixed variants
- Tunnel variants
- Special variants
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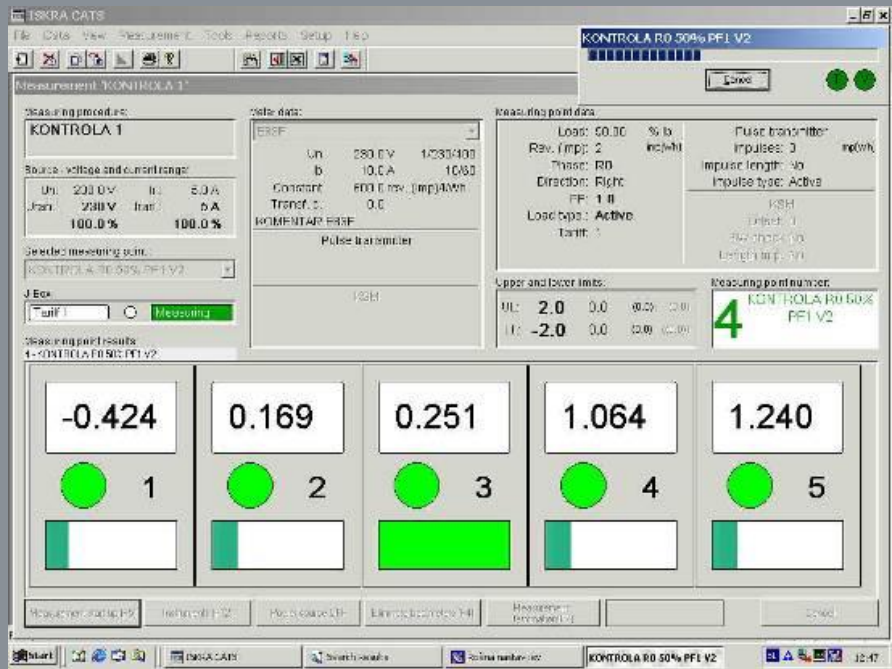
M&T EQUIPMENT

Software

- Control of source
- Control of Standard meter
- Display of current measuring values
- Prepare of test procedures
- Storing procedures and results in database
- Users authorisation



M&T EQUIPMENT

Special Software

- Development of special software for special measuring devices
- Integration of other measuring devices (standard meters, hand held terminals…)
- Integration our measuring devices in other systems

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References

Why us? *You'll get Prompt technical support*

- Technical consulting
- Fast response for technical questions
- Favorable delivery times
- After sales support

iskra vzdrževanje strojegradnja

Why us? *Trust worth company …*

… almost 70 years of tradition!

Contacts

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Thank you !!!