



**MONTELEKTRO**

www.montelektro.com

HR-51215 Kastav  
Jardasi 65  
Tel +385/51/ 545-810  
Fax +385/51/ 545-811  
E-mail: rijeka@montelektro.com

HR-10090 Zagreb  
Malešnica 3/5  
Tel.: +385/1/ 3909 020  
Fax.: +385/1/ 3909-021  
E-mail: zagreb@montelektro.com

## REFERENCE LIST IN THE FIELD OF AUTOMATION

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### TOBACCO INDUSTRY

#### "TVORNICA DUHANA CAPLJINA "

CAPLJINA, Bosnia and Herzegovina  
2000.

- complete reconstruction of tobacco processing line + stem line (3XS7 400 PLC, 1200 I/O, PC supervision software, project, electro cubicles, erection supervision, program, start-up
- Simatic S7-416 (3 PCs) with distributed periphery PROFIBUS-DP cca 3x800 I/O signals,
- 2 supervision PC connected with 3 PLCs by MPI net,
- 3 operator panels Simatic OP3
- 20 converters U/f (Telemecanique and Danfoss)
- project, cabinet delivery, erection supervision, all automation programs and start up,
- completely automated production with recipe management.

#### "GARBUIO"

TREVISO, Italy

1999.

- commissioning of various PLC Systems (S5,S7) in factories in Kazakhstan, Poland, Russia, Maroco for tobacco processing lines.

2000.

- "House of Prince" Poland - stem line; 3 feeding silos), program development and commissioning of 3 SIMATIC S7 PLC + INTOUCH PC supervision software

2001 - 2003.

- PLC and OP/TP programs for various tobacco machines, commissioning

#### "VIRŽINIJA "

VIROVITICA, Croatia

2002.

- complete reconstruction of tobacco primary and picking line (2XS7-300 PLC, MP270, project, electro cubicles, erection supervision, program, start-up

2002.

- New chamomile line (S7-300 PLC, MP270, project, electro cubicles, erection supervision, program, start-up



**"TDR"**  
Rovinj, Croatia

2005.

- New Greenfield factory in Kanfanar: erection management of the whole investment: two complete transformer station with ABB "Safering" 20kV switchgear and dry-type transformers 4+6 x 1000kVA, delivery of distribution and control switchboards ABB ArtU type, 150 fields, indoor and outdoor illumination,...

