S.C. IPA S.A.

Automation engineering & IT
Investing in Future

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IPA CIFATT, born in 1980,is an industrial integration systems, engineering company, software developer in automation and IT field. **IPA CIFATT** is an ISO 9001 certified company.

IPA CIFATT has an extended experience in the field of automation engineering and development of complex applications "turnkey solutions": technological lines, software development for process monitoring and control, SCADA systems, management systems.



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"Turn-key solutions" covered by IPA CIFATT Craiova**:**

- Engineering, Project Management,
- System integration, software development,
- Monitoring & Control Systems Design, SCADA systems
- IT Support Specialist and Consulting, technical Support,
- Partnership for: robots; mechanical parts, technological lines
- System Integrator; Training; Personal Formation,
- Service into guarantee and post-guarantee.

Systems Integrator; partners for:

ABB Power and productivity for a better world™ · Rockwell Automation · SIEMENS · Schneider Electric · KUKA

References:

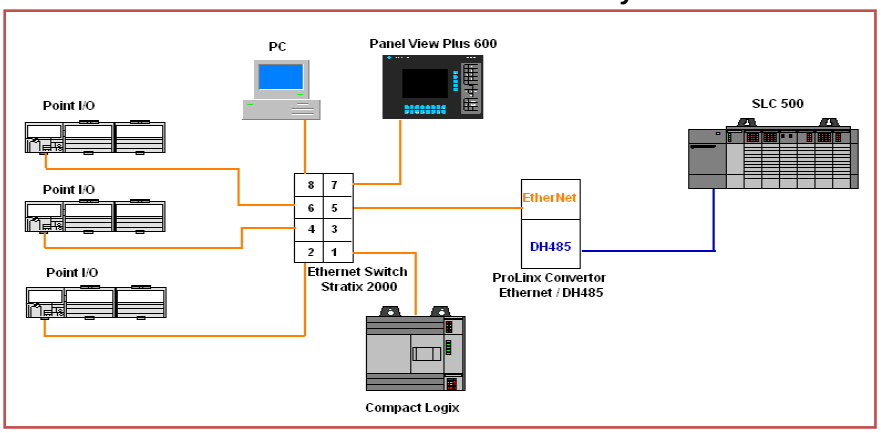
- Modernization of an autoclaved aerated concrete facility- SC Macon SRL – Deva (2015)
- Monitoring and control system for 20 kV and 110 kV Tintesti Buzau, (2015)
- Commissioning of the technological lines base on PLC - Kronospan MDF Factory, Belarus (2014-2015)
- Waste Water Treatment Plant, Calimanesti Valcea PLC systems, SCADA Systems, Factory Talk (2014)
- Automatic, technological lines base on PLC - FORD Craiova, (2012-2015);
- SCADA systems for water pumping stations / landed irrigation (2013-2015);
- SCADA systems for agriculture pumping station and network Oltenia Water Company (2009-2011)
- Automation of pumping station and informatic system for city water network supply (Craiova-2008-2010);
- SCADA system for Electrical energy parameters monitoring (Craiova Term power plants, Electrical Station Urechesti TarguJiu 2006-2008);
- Automation engineering, turn key-solutions for industrial ruling bridge (more companies, 2006- 2016);
- SCADA, Security and monitoring system under industrial risk conditions (Heavy Water Plant ROMAG Drobeta 2001); Toxic gas sensors and environmental monitoring systems (2001-2014;
- Automatic system for drilling parameters monitoring SIFOR (with AtlasGIP, Kazastan, 2004);
- Control system for locks in National Administration of Navigable canals Constanta, (2003);
- Tele control system for hydropower units to Hydropower Plant Targu Jiu (2002);

- SCADA System for the water level and meteorological parameters monitoring in hidrografic area (Oradea area 2000, Jiu area 2002);
- Complex automation system for edible oil and margarine plants (OLPO Podari, 1995-1997);
- SCADA System for monitoring the technological parameters in the drinking water supply network in urban areas (Craiova city, 1997);
- Electrical energy Management / Control System for electrical networks / Osciloperturbograf (120 equipments in network, many departments in Romania);
- System for engine protection and AAR (Term power plant RAAN RomagTermo, Drobeta, Craiova II);
- Power control systems for trams (Craiova, Local Transport Authority, 2009-2010.

Examples:

1. Autoclaved aerated concrete facility

Modernization of an autoclaved aerated concrete facility- SC Macon SRL - Deva

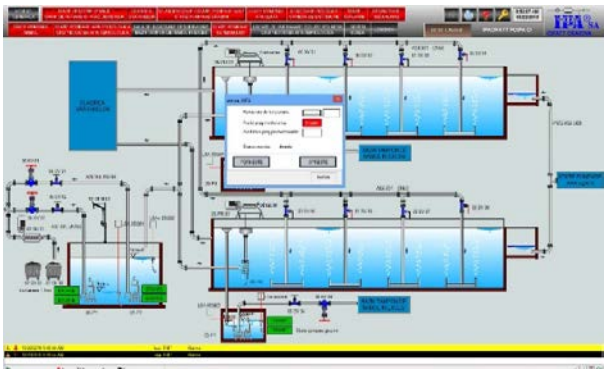


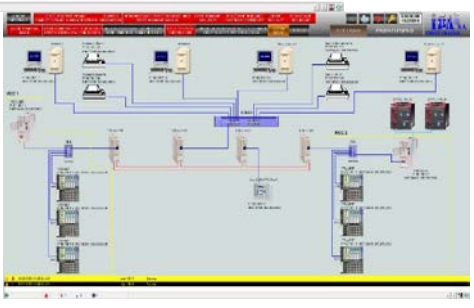
2. Kronospan - MDF Factory (Belarus)

- Commissioning of the plant (10 people) ; Technical support
- Coordination of electricians team, verify the signals, application installation, modification and testing (Siemens equipment PLC S7-400)

3. Waste Water Treatment Plant

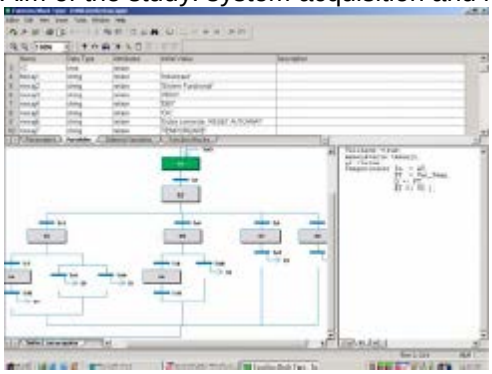
Build a new Waste Water Treatment Plant in Calimanesti Valcea (PLC systems ControlLogix, SCADA Systems Factory Talk)

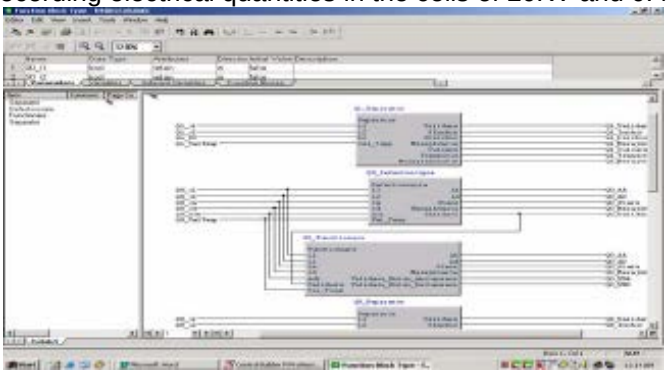




4. Monitoring and control system for medium voltage substations

Aim of the study: system acquisition and recording electrical quantities in the cells of 20KV and 0.4 kV,

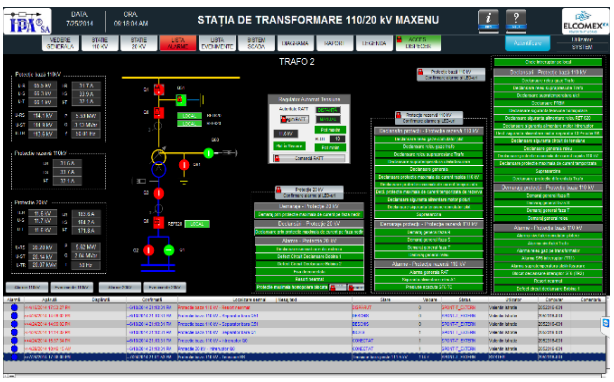


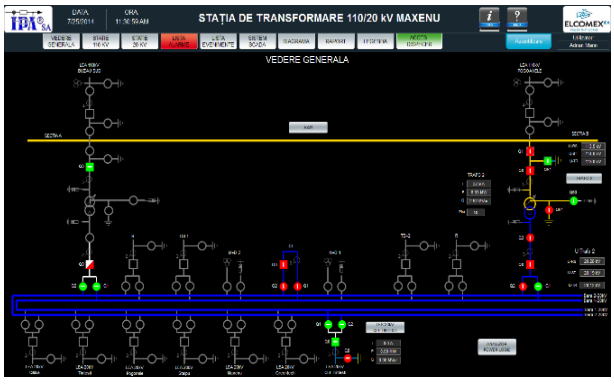


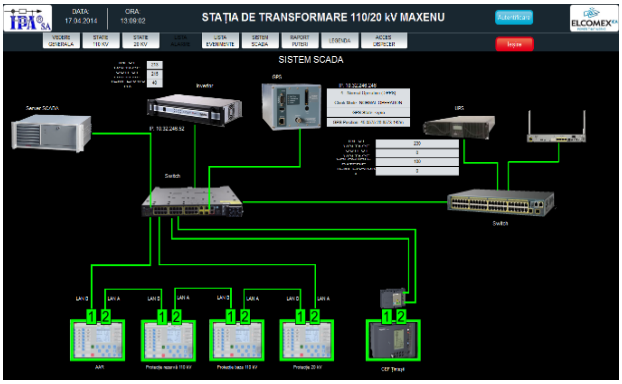
5. Irrigation system Motatei & Gilort

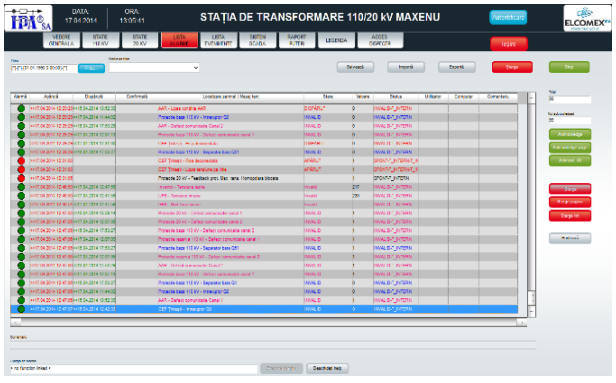
Build a new irrigation facility

6. Monitoring and control system for 20 kV and 110 kV Tintesti Buzau Romania







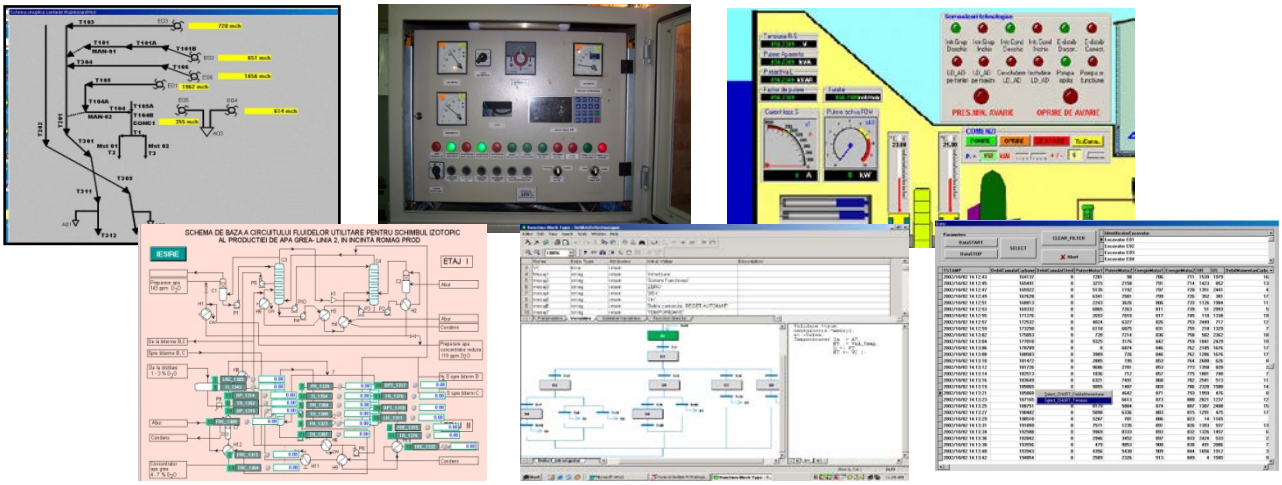


7. FORD Craiova Maintenance Training Program

To support company's business goals we have developed a comprehensive maintenance training program (2009-2013). The training program was developed for Ford employees with the technical skilled roles to eliminate their skill gaps and ensure they can maintain the facility and ensure continuous production for VO and PTO areas.

The program was supported by the embedded resources3 Embedded engineer

- ✓ Breakdown Assistance
- ✓ Onsite Consulting
- ✓ Installation Supervision and Inspection
- ✓ Start up and Commissioning
- ✓ Troubleshooting
- ✓ Ad-Hoc Trainings
- ✓ Development of troubleshooting on-the job training material



Our company structure allows us to ensure a short time key-delivery for single systems or small series systems. We keep a permanent link with the Politechnical High School, through the courses and seminaries organised.

A 36 years' experience accomplished by our specialists, not just in research and design, but also in production and implementation of automation systems is one of the best, and is showed by our results and products.

Domains of competency: engineering, software, system integrator (Siemens, Allen Bradley, ABB, Rockwell Automation, Schneider, Kuka) for:

- ➢ Technological lines base on PLC and robots
- ➢ Environmental monitoring systems on large area in industrial risk conditions
- ➢ SCADA Systems for process control and management in industrial plants
- ➢ Electrical Energy Management & Control System for networks, Hydro & Termo power plants
- ➢ Process control systems
- ➢ SCADA System for monitoring the drinking water supply network
- ➢ Monitoring system for watermarks and meteo parameters in hydrological area

Domains of activity

- ➢ Energy / Hydro & Termo power Plants / Open Pits / Heavy Water Plant (nuclear) /
- ➢ Petro-chemical plant / Comestible Oil Plant / Automotive plant /
- ➢ Municipal water pumping stations/ Monitoring of municipal water parameters / landed irrigation;
- ➢ Automatic Quality Testing Stands / Construction Material Testing Stands;
- ➢ Toxic Gas Sensors / Environmental Monitoring Systems;
- ➢ Intelligent Buildings (electricity, informatics systems including INTERNET centre, data transmission, video conference, security system, etc) ;