

Industrial Automation

BENEFITS

- ✓ Expert support for all automation brands
- ✓ Effective system solutions
- ✓ Remote access to analytics & real-time information
- ✓ Complete electrification, instrumentation & automation deliveries

Reliable Industrial Automation and Electrification

Industrial automation and digital solutions for process industries are our specialties. We manage and implement complete projects from basic engineering to detail design and implementation. We are an independent service provider, supporting all major automation brands in greenfield and brownfield projects alike.

Brand-Independent Systems

We are an independent solution provider and we work with all leading automation brands such as Siemens, Rockwell, ABB, Omron, Schneider and HIMA.

Automation & Electrification Solutions

We provide you with all-round automation and electrification project services and support necessary to create automation solutions for your needs and to keep the systems in top shape. From site and project survey to commissioning and start-up services.

- × Everything from one reliable partner
- × Independency to choose any system brand
- × Understanding and knowledge of legacy systems

Digital Solutions

Get real-time information from the site and reduce the number of unexpected shutdowns. Remote access allows to manage, measure, analyse and compare the processes or devices from anywhere with a computer or any handheld device.

- × Remote access to manage, measure & analyse processes
- × Real-time information from the site
- × Reduce the number of unexpected shutdowns

Complete Engineering for Industrial Automation

We focus on creating the best solution for each case and deliver strong management and integration safety.

- × Focus on creating the best solutions
- × Great technical and economical awareness
- × Strong management in integration and safety



Roxia is an independent automation brand provider and offers systems by all major automation brands such as ABB, Siemens, Omron and others..



Through Roxia Malibu™ online portal, Digital Solutions provide real-time information from the site and reduce the number of unexpected shutdowns.

Complete Life Cycle Support

We specialize in complete life cycle support within industrial automation. Get expert site services, maintenance, electrical installation, even remote support and more. We believe in a can-do attitude, mutual trust and respect.

Field Services: Extend Components' Lifetime

We use only components of the highest quality, which are combined into a system fulfilling your needs.

- × Minimised downtime
- × Maintenance costs under control
- × No unexpected faults

High Quality Spare Parts

We are well-experienced in troubleshooting, repairing electrical and automation equipment and supplying necessary spare parts as fast as possible.

- × Reliable sourcing partner
- × Avoid unnecessary warehouse costs
- × Optimised inventory

Commissioning and Start-Up

We are industrial automation and electrification experts. During the cycle of the production systems, we monitor the condition of the running systems and are prepared to handle possible unexpected failures.

- × For all industries
- × Experienced in complex systems
- × Certified personnel

Professional System Audits & Optimisations

We inspect your automation, electrification and instrumentation system and suggest real solutions and optimisations. Get your system to work like a clockwork.

- × Independent opinion for decision making
- × Thorough audit with improvement proposal
- × Focus on improving the process control and production efficiency

“I am using the Roxia Smart Filtration on a daily basis. It gives me a fast insight to the filtration process and works extremely well.”

— Juha Paavilainen, Process Engineer, Terraframe



Our field services and regular maintenance ensures that the automation and electrification equipment is kept in top shape and does not cause unnecessary downtime.



Development of new installations and overhauling old legacy systems is our everyday activity.



Our expert automation team provides full inspections and insights into your current system and possible improvements.



Moving Bridge Conveyor



Application:

Stacking large leaching heap.

Results:

Together with the client and machine builder, we created an autonomous conveying and stacking vehicle. We solved a demanding power distribution challenge and delivered a complex control and safety-related matters with state-of-the-art technology.

Benefits:

- × Autonomous moving bridge conveyor
- × Solved a demanding power distribution challenge
- × Tight cooperation and co-creation

Challenge:

Stacking of nickel ore for secondary leaching. Size of the heap leaching and long distances for power distribution and self-directive of the huge moving machine.

Solution:

Innovative solution for stacking large leaching heap. 400 m long moving bridge conveyor with 11 crawlers and GPS coordination. Fully automated and GPS coordinated autonomous conveyor bridge with stacking system on top. The moving bridge is 400 m long and includes 11 crawlers.

Turn-Key DCS Delivery

Benefits:

- × Process expertise
- × Turn-key delivery
- × From basic engineering to commissioning

Application:

Gold ore processing with autoclave pressure oxidation treatment.

Challenge:

Plant-level DCS system (Distributed Control System) with integrated safety features for a new mine and a minerals processing plant in Northern Europe.



Solution:

Turn-key DCS delivery including all phases from basic engineering to commissioning and start-up.

Results:

Having the process expertise, we delivered a tailor-made DCS system on time and within predicted budget. We established a close cooperation and delivered a solution that answers all customer's needs.

About us

Roxia delivers high-tech dewatering, industrial automation and environmental technologies. Specializing in mining, minerals, metallurgy, chemical, food and pharmaceutical industries, our team generates best performing solutions for each specific need.

We offer our support from Australia, Chile, China, Finland, Germany, Peru, Russia, South Africa, Sweden and the United States.

