



Improving industrial performance

ProCS, Ltd.
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Slovakia

April 2024



Part of VINCI Energies



Concessions

- VINCI Autoroutes
- VINCI Airports
- VINCI Stadium
- Other concessions

Energy



Infrastructure



Industry



Building Solutions



ICT



Construction



- | | |
|-----------------------------|-----------------------------------|
| Specialty Networks Division | Road Division France |
| Major Projects Division | Building Division France |
| Europe & Africa Division | Civil Engineering Division France |
| United Kingdom Division | Networks Division France |
| Americas & Oceania Division | |

A powerful worldwide network

40

Countries

400

Business units

24,400

Employees

3,6€ BN



Vision & missions

Accelerating your industrial performance for a better world

100 % dedicated to the industrial process improvement, The Actemium network enables a customized approach, presenting multi-technical, multi-site and multi-country solutions.

Operating throughout the entire industrial life cycle, from design up to and including maintenance.



ACTEMIUM

Slovakia



ProCS, Ltd. – the company history

- ✦ **1992** – establishment of ProCS, Ltd.
- ✦ **2007** – ProCS, Ltd. has become a member of VINCI Energies group
- ✦ **2015** – ProCS, Ltd. presents itself under the ACTEMIUM brand



The company activities

↗ **DESIGN**

↗ **BUILD**

↗ **MAINTAIN**

- └ Industrial automation
- └ Service & Maintenance
- └ Assembly & Installation of electrical cabinets
- └ Analytics
- └ MES systems
- └ Functional safety
- └ Cyber security
- └ Vibrodiagnostics

Industrial automation

- ↯ Consulting services
- ↯ Analyzing processes

Engineering

- ↯ Instrumentation and control design documentation processing
- ↯ EPS, GDS project documentation processing
- ↯ Electrical engineering including lightning, grounding and lighting
- ↯ Software engineering
- ↯ Control systems specification
- ↯ Process automation
- ↯ Field instrumentation

Installation

- ↯ Electrical installation work, including installation and assembly of measuring, control and automation technology as well as electrical equipment, computer and optical networks

Industrial automation

- ↯ **Best practices**
- ↯ **Safety application**
- ↯ **FAT, SAT**
- ↯ **Experiences**

Application software for DCS, ESDS, PLC, SCADA, ...

- ↯ Continuous Chemical & Petrochemical process
- ↯ Batch process
- ↯ Safety Applications
- ↯ Monitoring
- ↯ Control & Safety Narratives
 - ↳ HMI Design
 - ↳ C&E Diagrams
 - ↳ Design of PID controllers, sequences,
 - ↳ Alarms, Reports

Industrial automation

↯ **Qualified and certified team**

On-site installations

- ↯ Measuring and control instrumentation, including Analyzers
- ↯ Different types of automation systems
- ↯ WAN and LAN optical fibres or metallic communication systems
- ↯ Electrical distributions, motor control, lightning, grounding and lighting systems

Testing and commissioning

- ↯ Loop checks
- ↯ Equipment functional testing
- ↯ Acceptance tests (FAT, SAT)
- ↯ Integration tests
- ↯ In-process + Output inspections
- ↯ as well as electrical cabinets inspection

Service & maintenance

↯ **Flexibility**

↯ **Availability 24/7**

Warranty service, Post-warranty service based on the service level agreement

- ↯ Automation systems preventive and complex maintenance
- ↯ Emergency service
- ↯ Repair of components or whole devices
- ↯ Calibration of different measurement and control instrumentation (thermometers, pressure gauges, flowmeters, convertors etc.)
- ↯ Administration of customer's instrumentation and automations systems database
- ↯ Changes in application software

Assembly & Installation of electrical cabinets

↪ From design to
installation

According to customer's requirements, in accordance with the required technical standards

- ↪ System cabinets for various control systems
- ↪ Marshalling cabinets
- ↪ Special LAN and WAN cabinets for industrial data communications on the basis of both optical and electrical networks
- ↪ Low voltage switchgears with nominal voltage up to 1000 Volt and nominal current up to 4000 Amps:
 - ↳ Distribution
 - ↳ Motor Control (MCC)
 - ↳ Light distribution

Analytical systems

↵ **All in one place**

Design, build and installation

- ↵ Design, engineering and installation from one place, including sampling systems and shelters
- ↵ Long time experiences with different analyzers
- ↵ Process control analyzers
- ↵ Quality control analyzers
- ↵ AMS analyzer systems for gas, liquid and solid particles
- ↵ Design and installation of sampling systems
- ↵ Supply of cabinets and shelters
- ↵ Upgrade of existing analyzer systems
- ↵ Solutions for explosive and hazardous areas
- ↵ Solutions for several industry segments

MES systems

- ↪ **Innovative practices**
- ↪ **Increasing productivity**

SMART platform

- ↪ ProCS has developed its own MES system with the following specifications
- ↪ It is a system based on the standard application platforms extended by new functional modules developed by ProCS which are tailor-made to the specific customer needs and requirements
- ↪ It is an open system communicating with the operators level through different standardized communication protocols (OPC, Modbus and DLMS)
- ↪ Different alarm messages and protocols can be sent to the users via E-mail communication
- ↪ It enables exporting of the data into different formats (MS Excel, PDF, ...)

Standard products

- ↪ Wonderware products
- ↪ Yokogawa Exaquantum

Functional safety

↯ **Safely & reliably**

Increase the availability and reliability of operations, risk reduction and compliance with applicable regulations, transparency of security systems

- ↯ Functional safety engineers of ProCS, certified by TÜV Rheinland, design safety related systems in compliance with the EN 61508 / EN 61511 standards
- ↯ On May 2020 was issued a Declaration of Systematic Capability, proving the conformity of the established FSM system with the standards IEC61508 and IEC61511 (Systematic Capability SC3)
- ↯ The company is authorized under Act No. 128/2015 on the:
 - ↳ Risk assessment
 - ↳ Elaboration and updating of the Safety report
 - ↳ Elaboration and updating of the Emergency plan
 - ↳ Consulting and advisory services

Cyber security

↯ **Control system design
in accordance with *best
practices***

- ↯ Effective protection against unauthorized access (location, account protection, encrypted communication, ...)
- ↯ Access to the system allowing user authentication, strong passwords, access level setting, ...
- ↯ Access and selected states monitoring
- ↯ Networks separation (Segregation and Segmentation)
- ↯ Systems and services hardening
- ↯ Rules for handling portable media
- ↯ Transparency of control systems throughout the whole life cycle
- ↯ Risk reduction and compliance with applicable legislation

Vibrodiagnostics

↯ Design of vibration measurement systems

Providing timely information about the status of the monitored machine reduces maintenance costs

- ↯ Developing a concept of machine diagnostic monitoring system
- ↯ Engineering and design work – I/O, server, network infrastructure, protection
- ↯ Installation of instruments and system itself
- ↯ Setting up, testing, issuing protocols
- ↯ Secure data transfer to higher-level networks
- ↯ Knowledge of Brüel & Kjær, GE, Emerson monitoring systems
- ↯ Analysis of measured data
- ↯ Predictive maintenance

ProCS, s.r.o. the company management

EXECUTIVE



Ing. Branislav Krampľ
Business Unit Manager

THE COMPANY MANAGEMENT



Ing. Roman Tóth, PhD
SALES



Ing. Jozef Szikora
DELIVERY



Ing. Miloš Pinka
ENGINEERING



Ing. Ivan Balogh
SERVICE



Ing. Róbert Fabiš
PB & INSTALL



Ing. Dušana Molotová
FINANCE



Ing. Roman Tóth, PhD
QUALITY & PROCESS



Bc. Zuzana Kőrösiová
HRM

Human resources – special trainings

↯ Regular training

Control systems

- ↯ PCS7 / SIEMENS
- ↯ CENTUM / YOKOGAWA
- ↯ DELTA V / EMERSON
- ↯ VALMET DNA / VALMET
- ↯ CITEC / SCHNEIDER

Programmable logical controllers

- ↯ SIMATIC / SIEMENS
- ↯ HIMATRIX / HIMA
- ↯ NETCON, MICRONET, W505 / WOODWARD
- ↯ PROSAFE / YOKOGAWA
- ↯ CONTROLLOGIC / ROCKWELL AUTOMATION SERVICES
- ↯ TRICON SYSTEM / INVENSYS

Human resources – special trainings

↵ Knowledge of systems

Vibration monitoring systems

- ↵ VC 8000 / BRÜEL & KJÆR
- ↵ BN3500, SYSTEM 1 / BENTLEY NEVADA
- ↵ AMS 6500 ATG / EMERSON

SCADA systems

- ↵ INTOUCH / WONDERWARE
- ↵ WINCC / SIEMENS

Information systems

- ↵ MS SQL SERVER / MICROSOFT
- ↵ APPLICATION SERVER / WONDERWARE
- ↵ HISTORIAN / WONDERWARE
- ↵ EXAQUANTUM / YOKOGAWA

Human resources – special trainings

↯ **Wide knowledge
of products**

Implementation of design

- ↯ SWITCHBOARDS - RITTAL, OEZ, ABB, SCHNEIDER, SCHRACK
- ↯ PRODUCTS FOR SWITCHBOARDS - OEZ, SCHNEIDER, ABB, SCHRACK
- ↯ CONTROLL SYSTEMS - YOKOGAWA, SIEMENS, B+R, B&K
- ↯ GDS - MSA A GM
- ↯ EPS – SIEMENS
- ↯ FREQUENCY CONVERTERS - ABB, SIEMENS, VONSCH, VACON, DANFOSS..
- ↯ LIGHTNING PROTECTION AND EARTHING - DEHN, SALTEK
- ↯ COOLING ISSUES AND EMC

Human resources – special engineering tools

↯ Special software tools

CAE (Computer Aided Engineering) tools

- ↯ ENGINEERING BASE / AUCOTEC
- ↯ EXPERIENCE WITH OTHER SYSTEMS- RUPLAN, COMOS-PT, ELCAD, INTOOLS

CAD (Computer Aided Design) tools

- ↯ AUTOCAD LT / AUTODESK

Engineering calculations tools

- ↯ CONVAL / F.I.R.S.T.
- ↯ EXSILENTIA / EXIDA
- ↯ RISK TOOL / DEHN
- ↯ E-DESIGN / ABB
- ↯ SICHR / OEZ
- ↯ ECODIAL / SCHNEIDER
- ↯ DIALUX / DIAL

ProCS – integrated management system

↯ **Certified quality**

Integrated management system has ProCS certified by SGS certification company

- ↯ Quality management system according to the international standard ISO 9001:2015 requirements
- ↯ Environmental management system according to the international standard ISO 14001:2015 requirements
- ↯ Safety at work management system according to the international standard ISO 45001:2018 requirements

System SCC (Safety Certificate for Contractors)

↪ **Guaranteed safety**

- ↪ SCC system has been established in the frame of ProCS which is focused on vendor's qualification in the field of health and safety.
- ↪ This system is closely linked to the Integrated management system (IMS) of ProCS and represents a special superstructure over it.
- ↪ SCC system of ProCS has been certified by TUV SUD Slovakia and the system itself has been based upon german document called Normatives SCC-Regelwerk I Version 2011.
- ↪ SCC certificate is valid until 12/2025.

ProCS - certificates

↯ **Guaranteed safety**

Professional certificates

- ↯ FS Engineer (TÜV Rheinland) – functional safety certified engineer
- ↯ Declaration of Systematic Capability, proving the conformity of the established FSM system with the standards IEC61508 and IEC61511 (Systematic Capability SC3)

Authorizations

- ↯ Authorized civil engineer
- ↯ On-site supervision
- ↯ On-site safety work coordinator
- ↯ Major Industrial Accidents and Protection Expert

ProCS - certificates

↪ Regular training

Authorizations

- ↪ Mining activities, explosives and the State mining administration
- ↪ Authorization according to § 17 of Act no. 513/2009 on tracks for carrying out specified activities

Contractors

- ↪ Schneider Electric
- ↪ Siemens

Financial indicators



Turnover generated from core business activities

	2021		2022		2023	
Turnover (in k€)	8 064		8 854		7 632	
	kEUR	%	kEUR	%	kEUR	%
Sales of services	5 645	70 %	6 640	75 %	5 648	74 %
Sales of hardware	2 419	30 %	2 214	25 %	1 984	26 %

Turnover regional breakdown

	2021		2022		2023	
Turnover (in k€)	8 064		8 854		7 632	
	kEUR	%	kEUR	%	kEUR	%
Domestic sales	6 854	85 %	7 752	88 %	6 674	87 %
Export sales	1 210	15 %	1 102	12 %	958	13 %

ProCS, Ltd. – scope of activities

SLOVAKIA



Chemicals



Energy



O&G



Nuclear



Pulp & Paper

EXPORT



O&G



Logistics



Pulp & Paper



Automotive

ProCS, Ltd. – major partners



Slovenské elektrárne sú spoločnosťou skupiny Enel



- ✦ Germany
- ✦ Sweden
- ✦ The Netherlands



**THANK YOU
FOR YOUR
ATTENTION**

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