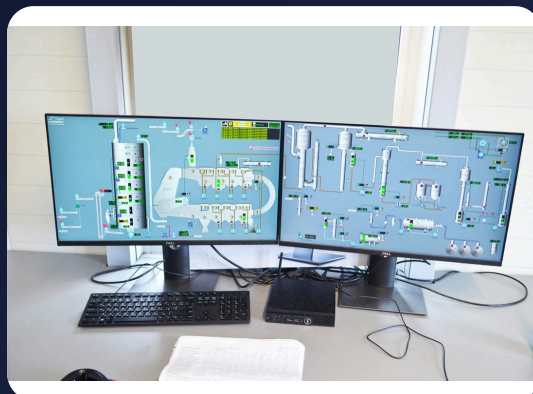


TECHNICAL BROCHURE · SERVICES

Automation and instrumentation

Automated process control systems (APCS): from design to commissioning, staff training and service.



WAGO PFC-200

controller and 750-series I/O modules

Siemens WinCC 7.4

visualization, data collection and archiving

Endress+Hauser

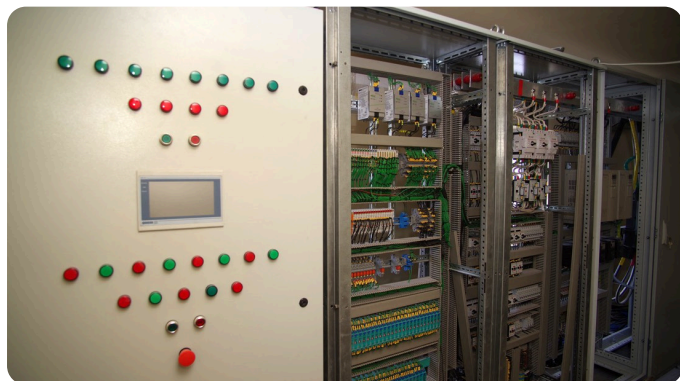
Soliphant and Liquiphant level sensors

D.ENERGY is a company that will take your business to a new level of development!

An automated process control system (APCS) is a set of hardware and software designed to automate the control of process equipment at industrial enterprises.

Main advantages of APCS

- Higher profitability and lower enterprise costs
- Control and optimization of the enterprise
- Higher efficiency of industrial complexes thanks to optimal control algorithms
- Unified processes, no human-factor influence and fewer accidents
- More convenient and ergonomic operation of the equipment complex
- Application of international standards of production process management



The main goal of implementing APCS is to raise economic efficiency, improve product quality and increase corporate profit. This is possible only with flawless execution of the whole complex of work on building integrated automation systems based on modern hardware, software and communication tools and technologies. D.ENERGY has all the technological and intellectual resources needed to solve APCS tasks.

Our approach

We provide a full range of services for automation and optimization of production facilities and treat APCS implementation as an engineering consulting process. This means an individual approach and coordinated actions with the Customer to put the system into commercial operation; commissioning work at every stage, with control and checking of results; certified equipment and materials; and compliance with DSTU rules and requirements, industry and other standards adopted at automated facilities.

Equipment and software

Controllers and SCADA

The automation system is usually built on the high-speed PFC-200 controller and 750-series I/O modules from WAGO (Germany). System control, data collection and processing, display and archiving of analog-sensor data run on WinCC 7.4 software from automation leader Siemens (Germany).

Programming

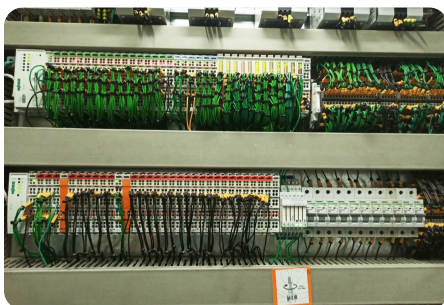
Our team combines deep experience with WAGO controllers, programming in the Codesys 2.3 environment and additional Siemens software.

Starters and drives

Lovato (Italy) contactors, circuit breakers and motor-protection relays are used as starting equipment. Modern frequency converters drive powerful motors, significantly reducing the load on the plant's distribution network and extending its life.

Level monitoring

Bulk-product levels are monitored by vibration sensors from world-leading brand Endress+Hauser (Soliphant M / FTM 20 series) and liquid levels by Liquiphant / FTL 31, protecting conveyors and other equipment from unauthorized overloads.



What the customer receives

Our APCS engineers carry out comprehensive automation and visualization of all production processes. The customer receives design documentation, all necessary equipment and software, installation and commissioning, integration and adjustment of automation systems, and staff training. All control systems we develop and implement come with warranty and post-warranty service.

Need a calculation or a quotation?

Send us your requirements — we will select the model for your raw material and capacity.

sales@denenergy.com.ua

+38 067 995 10 96

denenergy.com.ua