

SOLUTIONS IN THE AREA OF PRODUCTION AND STORAGE OF VEGETABLE OILS



ABOUT US



Ukrainian engineering company represented on the world market



EPC contractor in the field of automation and power supply of industrial enterprises



Performs work in the areas of electric drive control, technical safety and telecommunication systems



The only licensee of SIEMENS in Ukraine in the status of Technology Partner



SIEMENS Certified Partner in Solution Partner status



Over 15 years of work, more than 600 complex projects have been implemented in various industries



The company has more than 210 employees



The company is a member of the German-Ukrainian Chamber of Industry and Commerce (AHK)

ACTIVITIES



Automated control systems for technological processes



Electric drive systems



Power supply systems up to 110 kV



Technical security systems and telecommunication systems



Service maintenance



Consulting services



Outsourcing

Complex projects of any scope and difficulty:



Development of design documentation



Software development



Testing and quality control by an electrical laboratory



Purchase and delivery of equipment to the customer



Installation of equipment



Commissioning works



Commissioning and training of customer's personnel



Service maintenance

COMPETITIVE ADVANTAGES



Full production cycle



Maximum depth of added value formation



Localization of technologies from world leaders in the industry (franchises)



Formed production system of the company:

- well-established business processes of the enterprise
- multi-level training of employees
- high-tech equipment
- an implemented product quality control system, etc.



Compliance of products with international standards



Modern software:

- Wrike
- EPLAN
- AutoCAD
- Pipedrive
- SAP
- etc.



Own innovative solutions

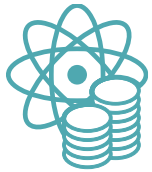


Weighted pricing policy



The total area of the plant is 7500 sq. M.

SOLUTIONS FOR OIL EXTRACTION PLANT



High-precision systems for accounting of products in storage tanks based on radar level sensors.



Systems for automatic control and coordination of parallel operation of pellet presses.



Record of energy consumption for all production areas, and automatic generation of reports.



Record of products in all areas, and automatic generation of reports.



SOLUTIONS FOR THE SEED ELEVATOR IN THE OIL EXTRACTION PLANT



- Implementation of the necessary instrumentation in technological equipment
- Creation of a system with automatic selection of the optimal route
- Application of Distributed Signal Collection System
- Centralized dispatch center of the elevator operator
- Integration of dryer control systems and cleaning machines into a single ACS system

SOLUTIONS FOR BOILER ROOMS IN THE OIL EXTRACTION PLANT



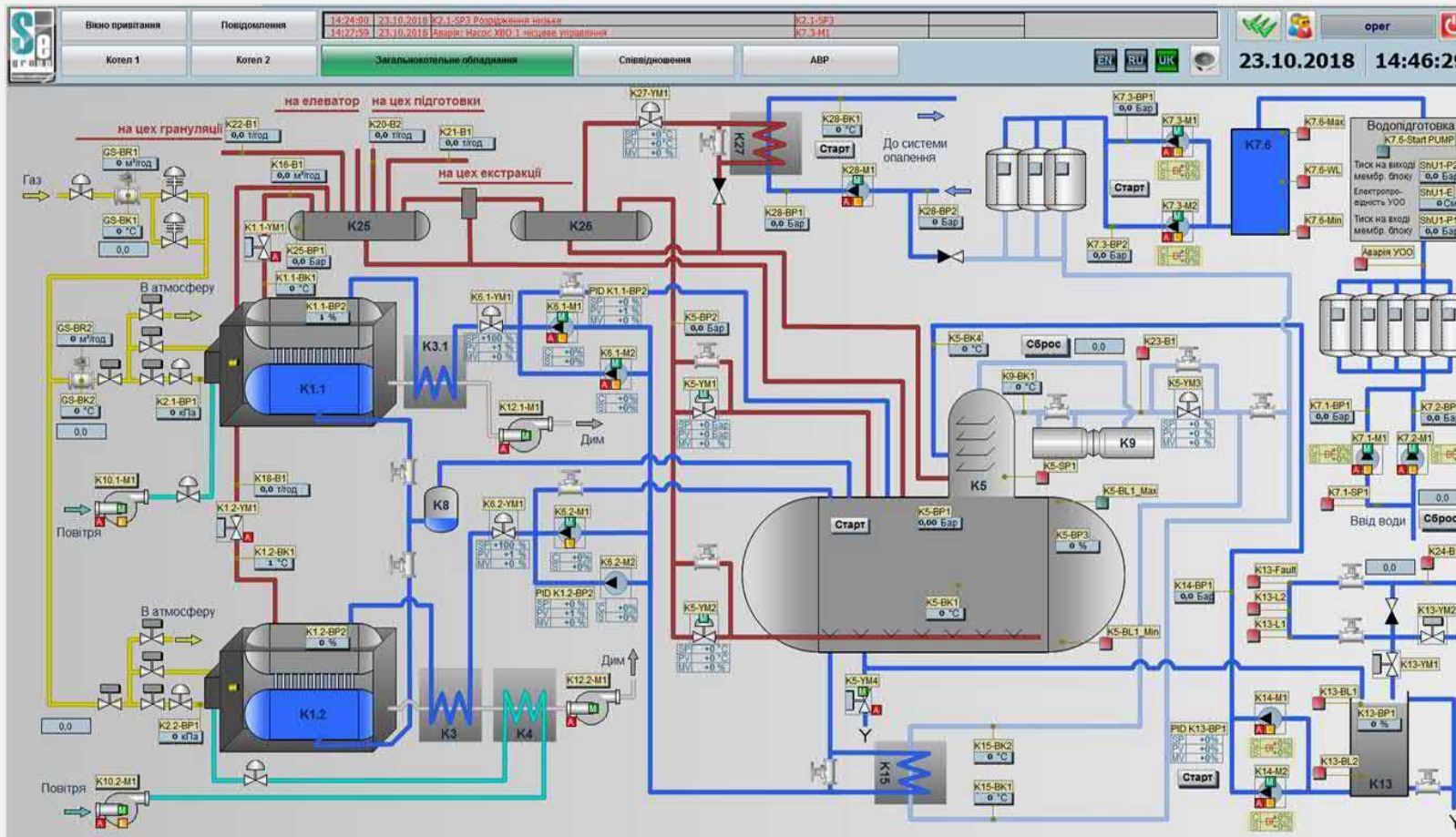
- Selection and design of instrumentation
- Development of an integrated control system for a boiler room
- Integration of gas meters into ACS
- Development of an independent ACS system for 2 boilers
- Return water analyzer integration and configuration
- Start-up and commissioning of technological equipment

SOLUTIONS FOR GRANULATING AND GRIST STORAGE AREA



- Development of a distributed signal collection system
- Control and management of technological equipment for grist granulation lines
- Creation of a centralized control room of an elevator and a granulation workshop
- Integration of weighing batchers into the ACS system
- Regulation of the loading of the press granulator

SOLUTIONS FOR AUTOMATED PROCESS CONTROL SYSTEM. CREATING A SINGLE SCADA PLUS PLATFORM



- Coordination of technological processes and product movement
- Performing tasks typical for the upper level MES system
- Analysis and visualization tool
- Tracking the sequence of actions and values
- Determination of operational performance indicators
- Client-server architecture with full server redundancy
- Data exchange with ERP systems
- Track production capacity of sites
- Establish communication between personnel and equipment within the production
- Collection and analysis of production information
- Tracking and control of quality parameters
- Shift KPI calculation
- Energy accounting and calculation of technical and economic indicators of production

MAJOR PROJECTS IN THE FIELD OF PRODUCTION AND STORAGE OF VEGETABLE OILS



COFCO Agri (China)

Oil extraction plant, Mariupol

Manufacture and supply of power control boards for the elevator, preparation, extraction, pressing, water treatment and boiler rooms, as well as installation and commissioning works.

Manufacturing and supply of 0.4 kV and 6 kV switchgears, software development for the plant's power supply dispatching system, installation and commissioning of 6 / 0.4 kV transformer substations.

A set of works on the development of software for libraries of models of standard equipment and the implementation of a production automation system based on Siemens PCS7 technology.



Cargill (USA)

Oil extraction plant, Kakhovka

Improvement of the integrated automation system of the grain storage and transshipment point: development of design documentation, manufacture and supply of panel equipment for power supply systems.

Modernization of a gas boiler room: development of design documentation, manufacture and supply of switchboard equipment for power supply systems.

Modernization of production in order to switch to soybeans: development of design documentation, manufacture and supply of switchboard equipment for power supply systems.



Delta Wilmar (Ukraine)

Oil extraction plant, Yuzhny

Complex of works on commissioning of automation systems: execution of installation and commissioning works of automated control systems and instrumentation of the preparatory department of the Oil Extraction Plant.

Power supply system of the plant including a 35 kV transformer substation on a turnkey basis.

MAJOR PROJECTS IN THE FIELD OF PRODUCTION AND STORAGE OF VEGETABLE OILS



Pridneprovsky oil extraction plant, Kernel (Ukraine)

Automation and power supply of thermal power plants (26 MW) using biofuel.
Development of design documentation for automation systems, supply and installation of switchboard equipment, installation and commissioning.



Volchansky oil extraction plant, Kernel (Ukraine)

Automation and power supply for thermal power plants (13 MW) using biofuel.
Development of design documentation for automation systems, supply and installation of switchboard equipment, installation and commissioning.



Bandurskiy Oil Extraction Plant, Kernel (Ukraine)

Automation and power supply for thermal power plants (13 MW) using biofuel.
Development of design documentation for automation systems, supply and installation of switchboard equipment, installation and commissioning.



Al Ghurair Resources (UAE)

Oil Extraction Plant

Partial modernization of the power supply system and plant automation.



ADM (USA)

Oil extraction plant, Chornomorsk

Design, installation and commissioning of automation systems for the pelletizing line of the MEP husk and the oil hydration section.



Transoil Group (Moldova)

Oil press plant, with. Balti, Moldova

Power supply and plant automation system.

MAJOR PROJECTS IN THE FIELD OF PRODUCTION AND STORAGE OF VEGETABLE OILS



Bunge (USA)

Oil extraction plant, Nikolaev

Manufacture and supply of electrical equipment for building an automated control system for a steam power factory. A full range of works on the modernization of two ship loading machines.



Potoky (Ukraine)

Oil extraction plant, Dnipro

Automation and power supply of thermal power plants (16 MW) using biofuel. Development of design documentation for automation systems, supply and installation of switchboard equipment and development of software for the automation of auxiliary equipment.



Elevator Bud Invest, ATK (Ukraine)

Oil extraction plant, s. Adampol (Khmelnysky region)

Process control system of the complex (upper level), a system for integrated automation of a soybean and grist elevator, as well as a power supply system for 3 10 / 0.4 kV transformer substations and 35/10 kV substations for the construction of an oil extraction plant: development of design documentation and software, delivery and installation panel equipment and commissioning.



Protein Invest (Ukraine)

Oil extraction plant, s. Dunaevtsy (Khmelnysky region)

Full-cycle engineering works for automation and power supply of the main sections of the IES. The work was carried out at the sites of the soybean elevator, grist elevator, oil storage and shipment and auxiliary facilities.

CLIENTS IN OTHER INDUSTRIES



MAIN LICENSES AND CERTIFICATES



- Certificate ISO 9001:2015 "Quality Management System"
- ISO 14001:2015 Environmental Management System Certificate
- ISO 45001:2018 Occupational Health and Safety Management System
- ISO 50001:2011 Energy Management System Certificate
- License of the State Architectural and Construction Inspection (Series AE No. 262193 dated 01.07.13)
- License of the State Department of Fire Safety of the Ministry of Emergency Situations of Ukraine (Series AE No. 184201 of 27.12.12)
- Permit to start high-risk work (No. 500.13.51 dated 15.06.13)
- Siemens Certificate "System Integrator"
- Certificate for the design and manufacture of complete low-voltage switchgears for currents up to 7400A, manufactured using SIEMENS SIVACON technology
- Certificate for the production of 6-10 kV medium voltage switchgears for currents up to 3600A using SIEMENS SIMOPRIME technology
- SIEMENS SOLUTION PARTNER AUTOMATION certificate

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