



2024



CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH
certifies that



INFOCOM Ltd.
Boulevard of Taras Shevchenko, 56
69001 Zaporozhye
Ukraine

has established and applies
a Quality Management System for

**Designing, production, assembly, adjustment and service of
automated control systems of technological processes.
Software development.**

An audit was performed, Order No. 707026389.
Proof has been furnished that the requirements
according to

ISO 9001:2015

are fulfilled.

The certificate is valid from 2020-05-05 until 2023-05-04.

Certificate Registration No.: 12 100 47562 TMS.



E. Kohl
Product Compliance Management
Munich, 2020-03-23



INFOCOM LTD

- Ukrainian Engineering Company
- Experience: 25+ years in the market
- 1000+ completed projects worldwide, reference of major projects
- 190+ employees
- SIEMENS Solution Partner:
 - Factory Automation
 - Drives & Motion
 - Process Control System (PCS)
- SIEMENS Industry Software Partner (reseller agreement)
- SIVACON Technology Partner



Our advantages:

- ✓ 25+ years on the automation engineering market;
- ✓ We are certified on quality management system ISO 9001, ISO 14001, OHSAS 18001;
- ✓ We are certified according SIEMENS GLOBAL standard: Solution Partner, Siemens project Audit, Simatic IT;
- ✓ Application of innovative technical solutions and experience of international projects;
- ✓ We've got experience in implementation of new and knowledge of old control systems;
- ✓ Young and experienced team, average age 32+



INFOCOM competation



Works on automation and power distribution systems up to 330 kV



Development of software for process automation and software for IT solutions, MES level



Own production of Cabinets for control systems, low voltage switchgears and various distribution cabinets 0,4kV including under Siemens SIVACON license



Designing, mounting and starting-up of equipment, technical support and personnel trainings

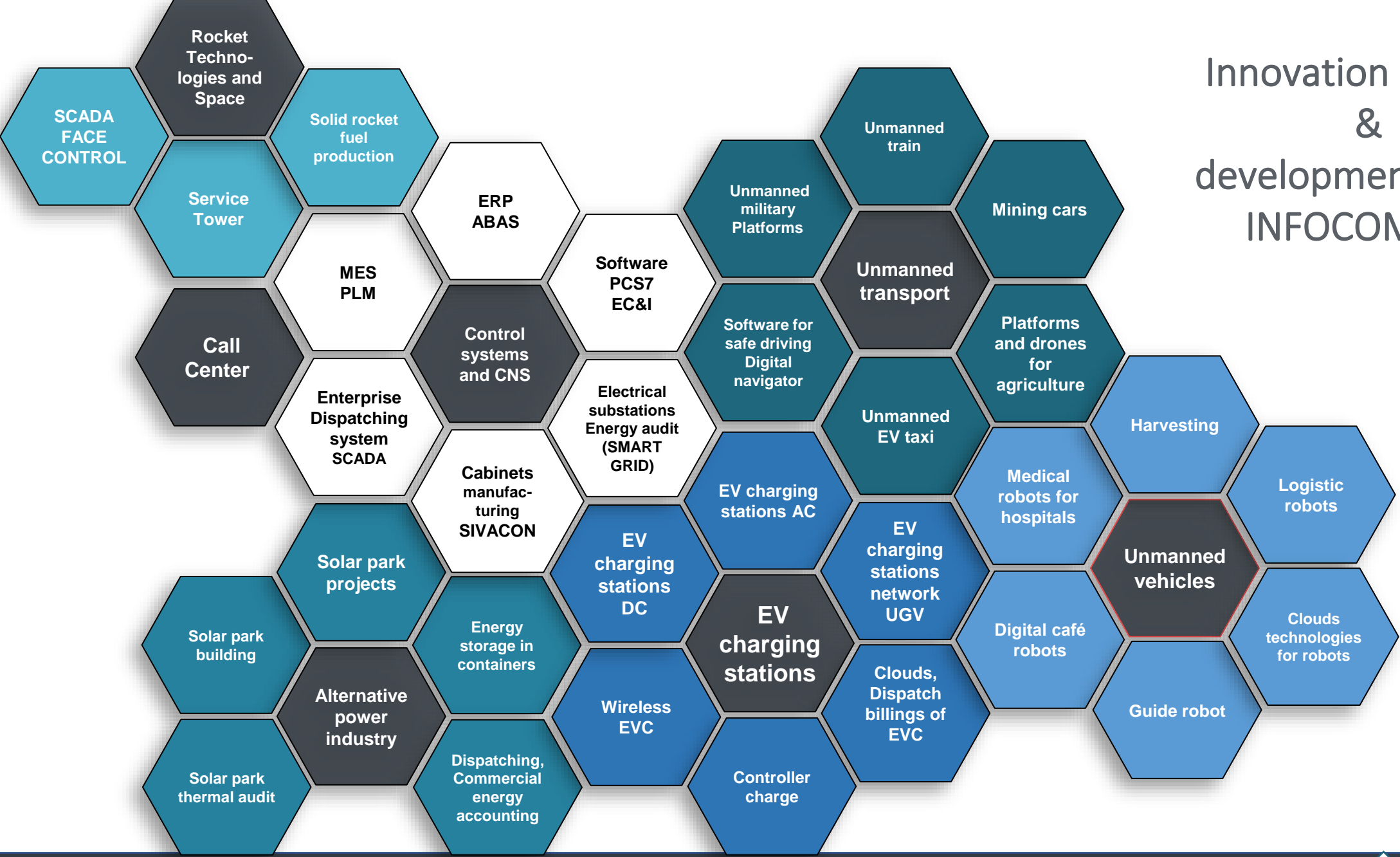


Own production of Charger Stations for Electric Vehicles



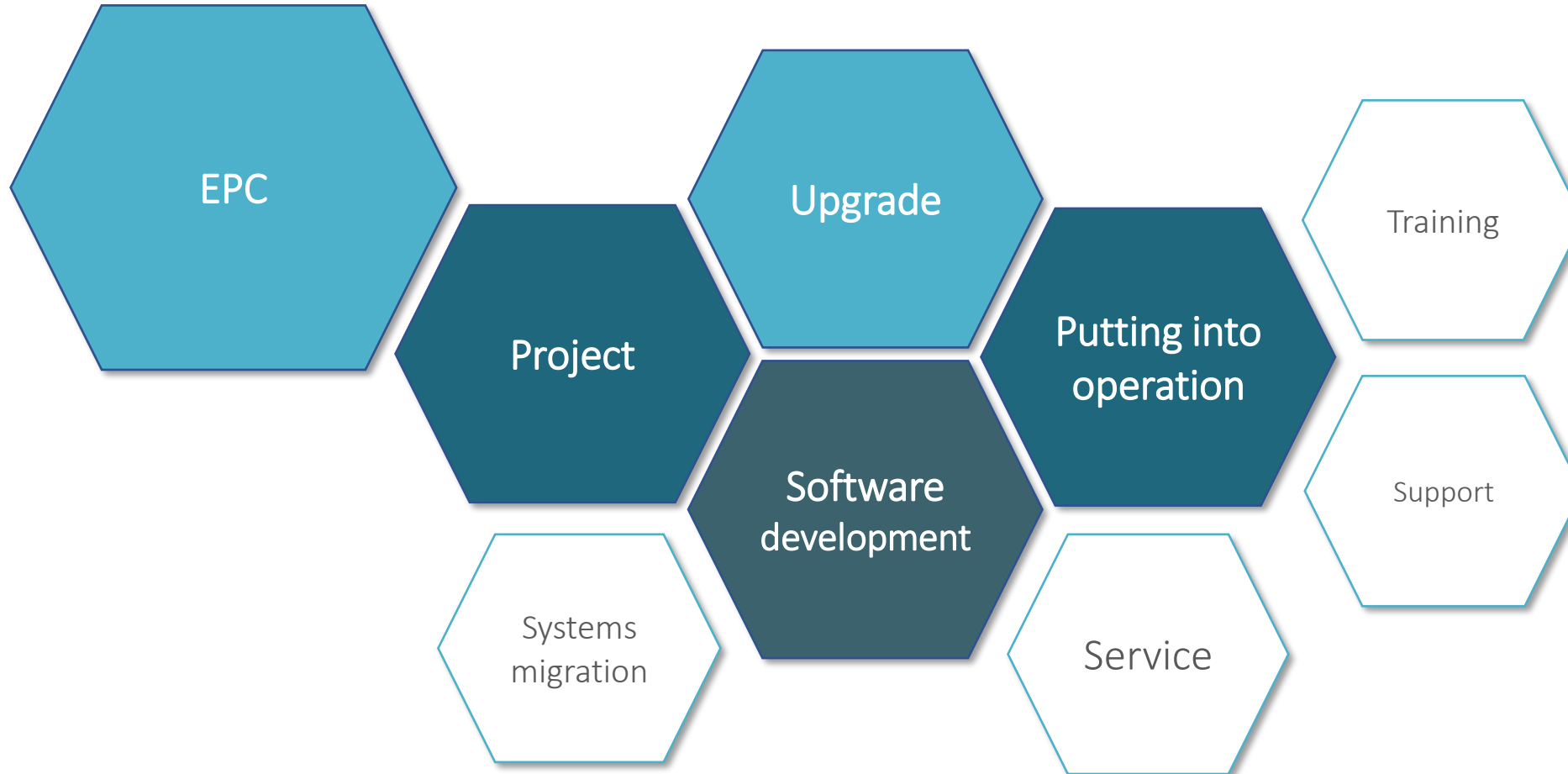
Innovation clusters & development vector

INFOCOM LTD



EPC and turn-key works

Company's specialization is development, implementation and maintenance of projects of various purposes and with different degrees of complexity.





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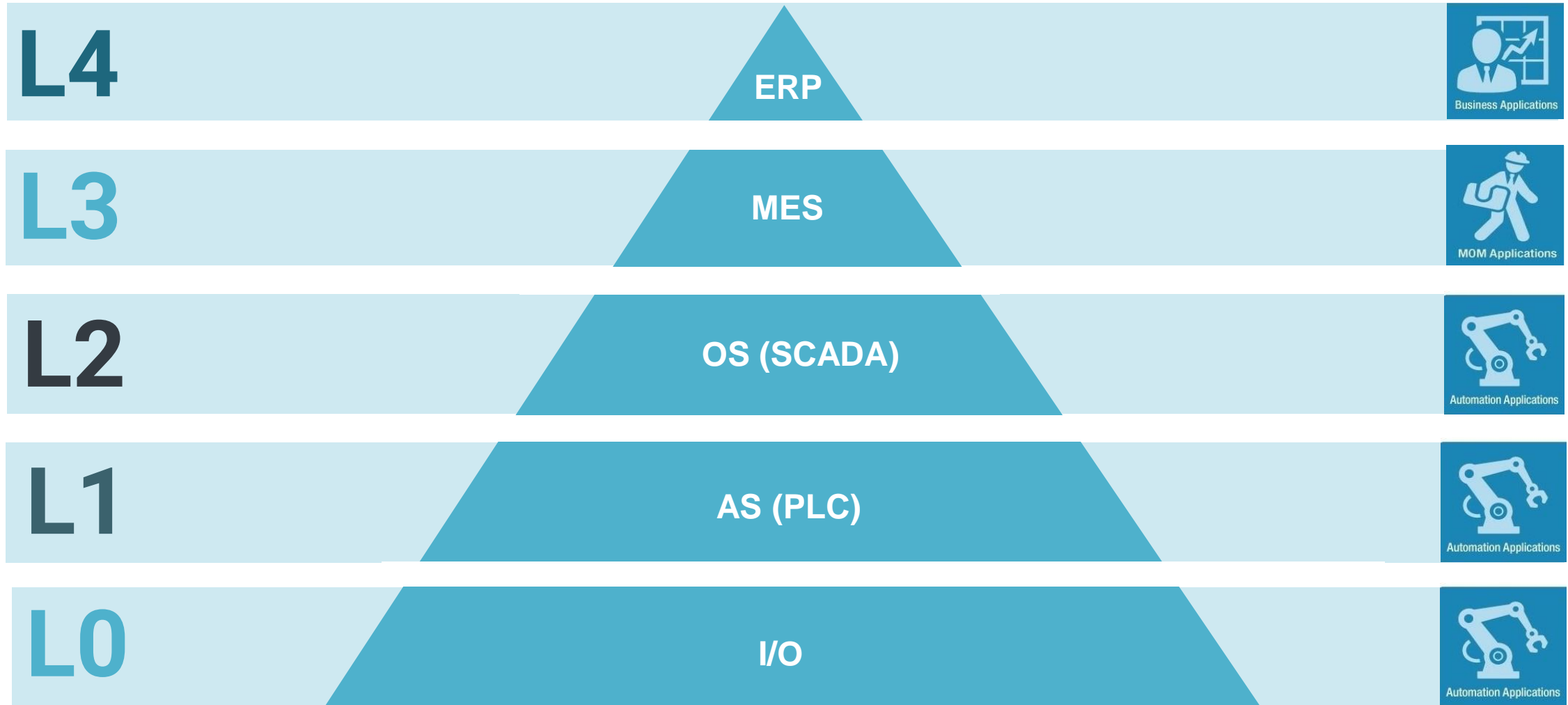
countries

1000+

projects



INFOCOM cover all levels ISA-95 standard



Solutions in different spheres

Metallurgy

- Ferrous metals manufacturing
- Tube manufacturing
- Non-ferrous metals manufacturing
- Rolled metal manufacturing

Food

- Confectionary
- Oil and fat
- Butter
- Dairy
- Beer
- Tobacco

Chemical

- Pharmaceutical chemistry
- Organic chemistry
- Inorganic chemistry
- Petrochemistry

Machinery

- Automobile
- Machine-tool construction
- Robotics
- Conveyor engineering

Oil and Gas

- Oil
- Gas

Energy production

- Hydroelectricity
- Alternative energy industry

Infrastructure

- Civil engineering
- Transport systems



OUR clients



OUR partners

SIEMENS

FESTO

Schneider Electric

ELECTROSENSORS

Endress+Hauser 

ABB

RITTAL **ePLAN**

PHOENIX CONTACT

EATON
Powering Business Worldwide

SICK
Sensor Intelligence.

 **LAPP KABEL**

HELUKABEL

Weidmüller 

MOELLER 
An Eaton Brand

 **PEPPERL+FUCHS**
SENSING YOUR NEEDS

WAGO
INNOVATIVE CONNECTIONS

DKC

KROHNE

Lovato electric
ENERGY AND AUTOMATION


EMERSON



lika

Rexroth
Bosch Group

WIKAI

Rockwell Automation
 **Allen-Bradley**



Personnel of INFOCOM Ltd 15.01.2024

No.	Departments	Amount, per.
Departments of company		
1	Automation system department	24
2	IT department	40
3	Project designing department	37
4	Manufacturing department	23
5	Commercial department	29
6	Service-and-repair department	3
7	Financial department	10
8	Administrative department	27
9	Administration	6
Total		199
Installation organizations		
1	Istrel Company, Ukraine	50
2	NetStroy Company, Ukraine	70
Total		120

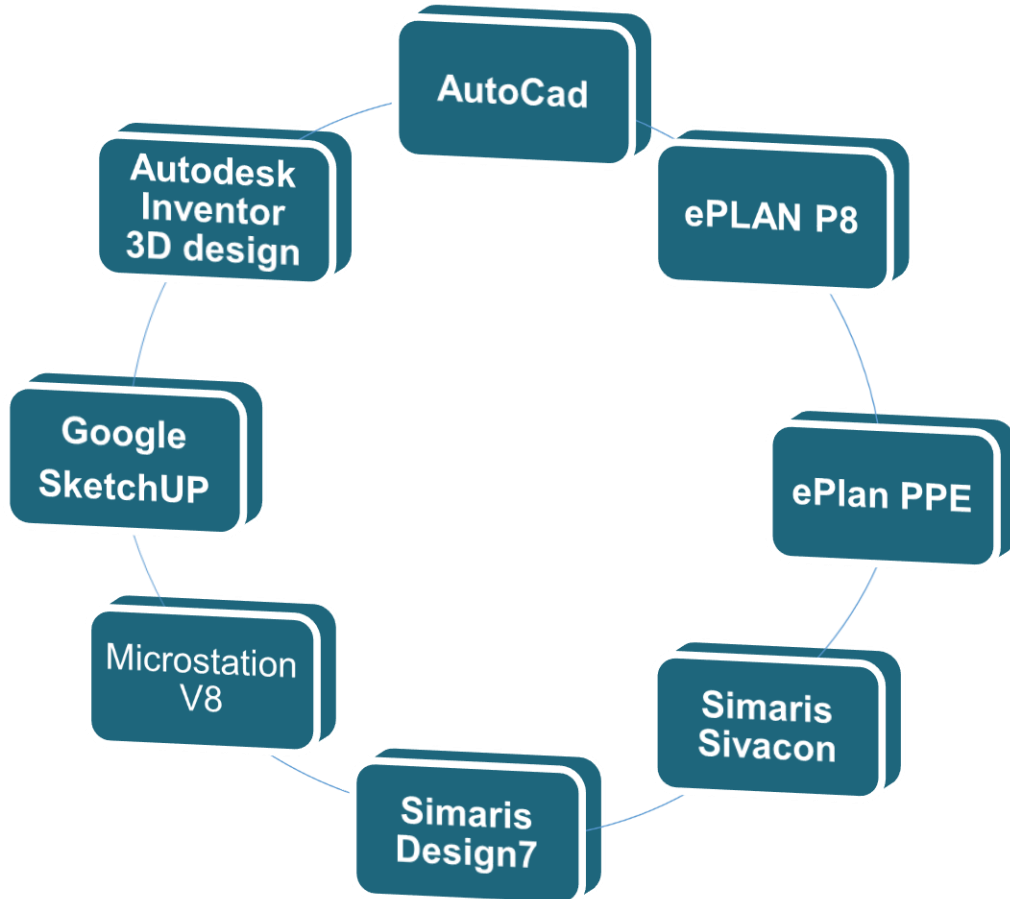


Automation specialists qualification

PLC	SCADA	Operator's panel	Drives	Industrial Network
<ul style="list-style-type: none">• Siemens Simatic S7-200, S7-300 (F), S7-400 (H, FH), S7-1200, S7-1500• Schneider Electric Modicon TSX, Quantum, TSX Premium• Phoenix Contact microcontroller class 100, compact controller class 300• Allen Bradley ControlLogix	<ul style="list-style-type: none">• Siemens Simatic WinCC WinCC Flexible, WinCC OA• Schneider Electric Citect• Phoenix Contact Visu+• Allen Bradley RSView• Wonderware InTouch• AdAstrA Trace Mode	<ul style="list-style-type: none">• Siemens Simatic OP (all models), TP (all models), MP (all models)• Phoenix Contact (all models)• Allen Bradley PanelView	<ul style="list-style-type: none">• Siemens Simovert Simodrive Sinamics DCM G-Family S-Family• Schneider Electric Altivar• Danfoss VLT• ABB ACS, DCS• Mitsubishi Electric A & E series	<ul style="list-style-type: none">• Profibus (DP, PA, FMS)• ASI• Ethernet• ProfiNet• ModBus (RTU, ASCII, TCP)




Experience and qualification of the specialists in designing




PLC

- Simatic S7-200, Siplus 300, Simatic S7-300/300C/300T/300F/
- Simatic S7-400/400F/FH/ , Simatic S7-1200/1500




CNC Systems

- SINUMERIK 802/840 SINUMERIK 810D/840D pl
- SINUMERIK 840D sl SINUMERIK 808D/828D



Weighing and batching systems

- SIWAREX U/CS/MS/FTA/FTC/M/CF



CNC Systems

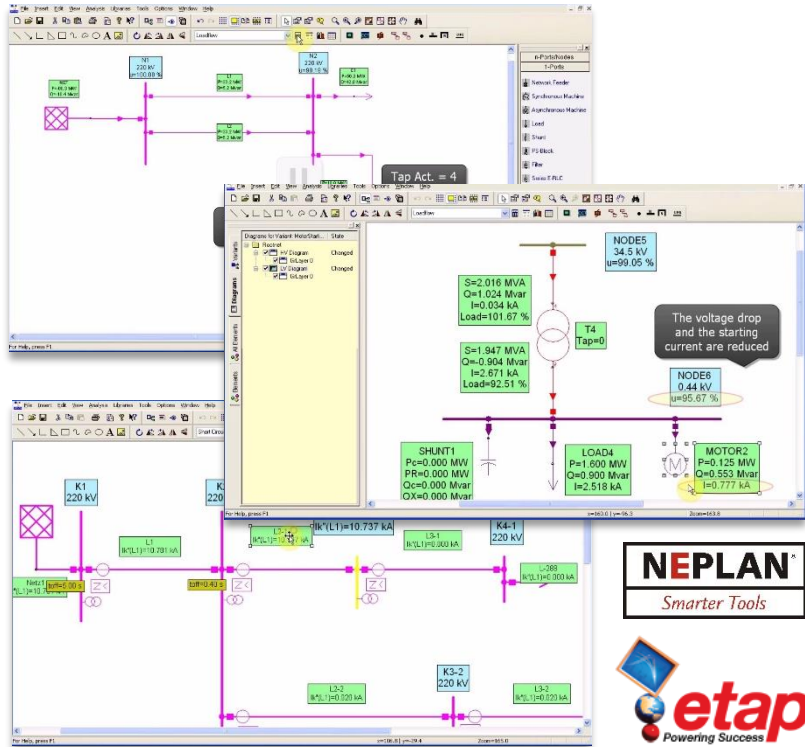
- SIMOVERT MASTERDRIVES,
- SIMODRIVE, SINAMICS S/G, MICROMASTER
- Schneider, Danfoss



EC&I

- Sensors,
- meters, etc.

Voltage analysis and optimization of electrical networks using NEPLAN, ETAP



- Short circuit calculations
- Arc flash study
- Calculations of load flow distribution
- Voltage Stability
- Reliability research
- Stability of low level signal
- Service planning
- Load Optimization
- Dynamic start of engines
- Network Transformation
- Harmonics analysis
- Cost-benefit analysis
- Determination of protection distances
- Pipeline system calculation
- Selectivity analysis
- Simulation by time
- Sustainability calculation
- Pressure distribution profiles
- Set up GIS/NIS network connection

All planning modules come from a single source; **no additional** coordination **work** is required.

Qualification in "IT" sphere

IT Software development

Net Framework (C#, VB.Net)

Java (j2se, j2ee, servlets, java beans)

Visual C++ / Java Script / Python

Microsoft SQL / Oracle Server (ADO.Net, ADO, ODBC, jdbc)

MongoDB / Neo4J

Development and implementation of corporate systems

ERP

MES

LIMS

WMS

Material Flow Management

IT infrastructure design

Active Directory

DNS

DHCP

FireWall

Enterprise portal

Remote assistance and incident management in IT

VPN

Remote Desktop

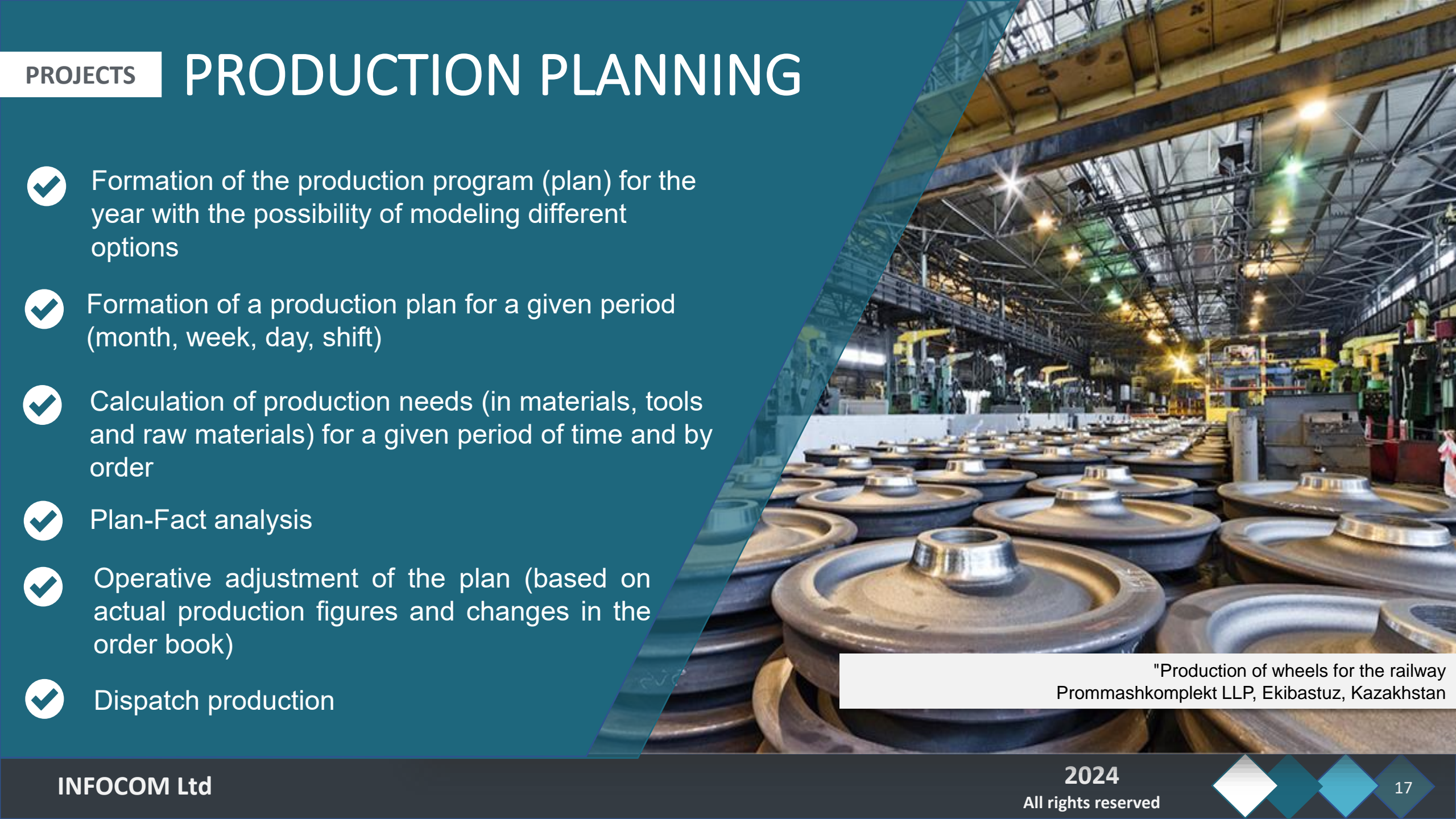
Remote Assistance

Team Viewer

Any Desk

PRODUCTION PLANNING

- ✓ Formation of the production program (plan) for the year with the possibility of modeling different options
- ✓ Formation of a production plan for a given period (month, week, day, shift)
- ✓ Calculation of production needs (in materials, tools and raw materials) for a given period of time and by order
- ✓ Plan-Fact analysis
- ✓ Operative adjustment of the plan (based on actual production figures and changes in the order book)
- ✓ Dispatch production



"Production of wheels for the railway
Prommashkomplekt LLP, Ekibastuz, Kazakhstan

MATERIAL FLOW MANAGEMENT

in the production of wheels for railways:

- ✓ Weighing accounting (car and railway scales)
- ✓ Laboratory management of the macrostructure analysis and mechanical properties of railways
- ✓ Warehouse management of raw materials, blanks and finished products
- ✓ Control of material flow through the production areas (heat treatment, press rolls, machining, nondestructive testing)
- ✓ Production dispatch
- ✓ Equipment downtime accounting

"Production of wheels for the railway
Prommashkomplekt LLP, Ekibastuz, Kazakhstan

WAREHOUSE MANAGEMENT

Automation of warehouse operations

- ✓ Address storage
- ✓ Barcode or RFID Identification
- ✓ Reception and placement of raw materials, materials and finished products
- ✓ Moving raw materials and materials
- ✓ Output of raw materials into production on demand
- ✓ Write-off of materials in production and return to the warehouse
- ✓ Stock control
- ✓ Integration with ERP systems
- ✓ Warehouse state

LLC "Boryshev Plastic Rus", Dzerzhinsk, Russia

INFRASTRUCTURE FACILITIES

Dispatching of building utility systems

- ✓ Heating networks, namely boiler installations and heating units
- ✓ Power supply system and lighting
- ✓ Ventilation and air conditioning
- ✓ Refrigeration cooling centers and stations
- ✓ Intake units and pumping stations
- ✓ Various sensors including temperature sensors, humidity and carbon dioxide levels in the room and the water leakage sensor
- ✓ Lift facilities
- ✓ Fire protection
- ✓ Energy accounting system, Audio/Video



«Synthesis Engineering» Ltd.
“Touristic complex Crimean Breeze” vil.Parkovoe, Ukraine
“Synthesis Construction” Ltd., Donetsk, Ukraine

Automation and dispatching of water treatment stations

- ✓ Biological purification of water
- ✓ Mechanical purification of water
- ✓ Sludge treatment
- ✓ Electrolysis unit
- ✓ Aero pack
- ✓ Amination and phosphating unit
- ✓ Site disinfection, iron removal and desalination



PJSC “Zaporizhzhya Semiconductor Plant”, Zaporizhzhya, Ukraine
CWTP-1, Zaporizhzhya, Ukraine
CWTP-2, Zaporizhzhya, Ukraine
KOS-300, Ashgabat, Turkmenistan

OIL EXTRACTION PLANTS AND SEED STORAGES

Automation and dispatching

- ✓ Traffic flow counting on the territory of the elevator
- ✓ Oil-press shop and extraction
- ✓ Oil-press shop and extraction
- ✓ Lecithin production and storage
- ✓ Deaerator and heat recovery unit
- ✓ Oil storage
- ✓ Hydration unit
- ✓ Storage area and seeds acceptance



Cargill, «OEP», Kakhovka, Donetsk, Ukraine; Efremov, Novoanninskiy, Russia
 Cargill, «OEP», Balikesir, Turkey, Zamanita, Zambia; Hull, Liverpool, England
 Monsanto «Grains plant», Zhitomir region, Ukraine
 BUNGE, “Grain cargo transshipment complex on the dock No.13” Nikolaev,
 «Dnepropetrovsk oil-extraction plant-BUNGE», Dnepr, Ukraine
 KERNEL, “Bandurskiy OEP”, Nikolaev region, Ukraine
 KERNEL, «ACS of Grains elevator», Odessa region, Hmelniirskiy region, Poltava region, Ukraine
 PE “Oliyar”, Stavchani, Lviv region, Ukraine

Vehicles path identification on territory of facility

- ✓ Data for unloaded cargo and vehicles in 'waiting list' for unloading
- ✓ Tracking of vehicles movement on facility territory based on RFID-marks and barcodes
- ✓ Car/railway transport numbers identification
- ✓ Unloaded seeds weight data
- ✓ Automatic data transfer from weight scales
- ✓ Online-access to reports
- ✓ Anonymized sampling



KERNEL, Bandurskiy Oil Extraction plant, Bandurka, Ukraine
"Oliyar", Stavchany, Lviv region, Ukraine
MHP, MZVKK, Myronovka, Ukraine
POTOKY, Dnipro, Ukraine

Innovative solutions for various sections

- ✓ Desulphurization with granulated magnesium;
- ✓ Oxygen Refining Utility
- ✓ Gas-Oxygen Converter
- ✓ Electroslag remelting utility
- ✓ Ladle furnace and electric arc furnaces utility
- ✓ Gas purification of waste gases
- ✓ Injection of a strip in crystallizer of continuous casting machine
- ✓ Crushing, dosing and injection of ferroalloy in fusion




Desulphuration at 28 Iron and Steel Plants, China, Myanmar
OJSC "Mariupol Metallurgical Plant Illich", Mariupol, Ukraine
CJSC "AzovElectroStal", Mariupol, Ukraine
OJSC "Zaporozhye Steel plant "Zaporozhstal",
OJSC "Metallurgical plant "Dneprospezstal", Zaporozhye, Ukraine
OJSC "Nizhny Tagil Iron and Steel Works", Nizhny Tagil, Russia
PJSC «Zaporozhye Titan & Magnesium Plant», Zaporozhye, Ukraine
„ArcelorMittal“, Krivoy rog, Ukraine
"Prommashkomplekt", New wheels facility, Ekibastuz, Kazakhstan

CRANE MODERNIZATION

Overhead, pouring, grab bucket and EOT cranes

- ✓ Changeover cranes on radio control
- ✓ Swinging control system , QC-Swinging control system
- ✓ RMG - swash control using Micro
- ✓ Motion Weighing system
- ✓ Transport positioning
- ✓ Collision avoidance
- ✓ Surface scan
- ✓ Control of position



Iron and Steel Works, Stary Oskol, Russia
The magnetic overhead crane with pickups with the load carrying capacity of 16 tons – 4pcs
ISP plant, India The overhead pouring crane 120+50t cranes (3 pcs.) and 120+32t crane (1 pc.);
The overhead pouring crane 280+80/20t.
Iron and steel Works, Erdenet, Mongolia
The special purpose electric overhead crane, with the load carrying capacity of 125/20 tons
The special purpose electric magnetic overhead crane, with the load carrying capacity of 30/12,5 tons
CJSC «AzovElectroStal» Mariupol, Ukraine
The pouring overhead crane, with the load carrying capacity of 140/32 tons

SEMICONDUCTOR PLANTS

ACS and dispatching of technological areas

- ✓ Synthesis of hydrogen
- ✓ Synthesis of HCl
- ✓ Synthesis of trichlorosilanium
- ✓ CVD reactors
- ✓ VGR
- ✓ Final processing of polycrystalline silicon
- ✓ Material flow

PJSC "Zaporizhzhya Semiconductor Plant", Zaporizhzhya, Ukraine

ROCKET AND SPACE DIRECTION

Process control system and power supply:

1. Missile maintenance towers;
2. Solid rocket fuel production systems:
 - Production of ferrocene;
 - Production of aluminum powder;
 - Production of ammonium perchlorate PCA;
 - Production of oligobutadienes.

VOLUME OF PERFORMED WORK:

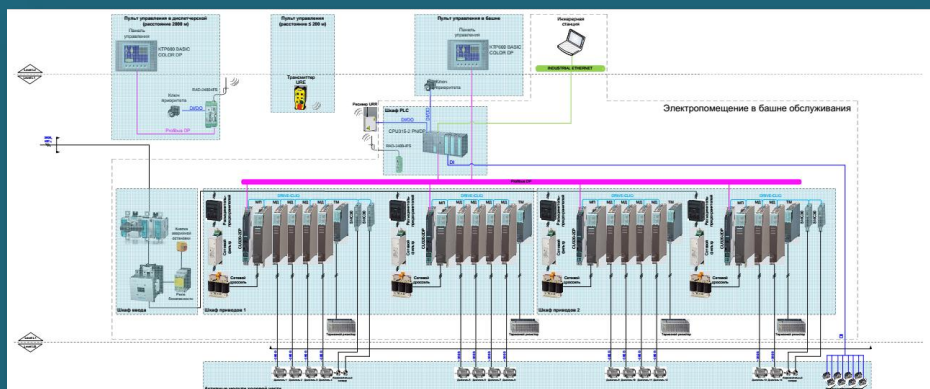
Project and software development

Cabinet design

Delivery

Assembling

Commissioning works



KB Pivdenne, Dnipro, Ukraine
Dnipro Design Institute, Dnipro, Ukraine


ACS of technological processes

- ✓ Ampoule washing lines
- ✓ Packaging machines
- ✓ Farmasulin production
- ✓ lines Steam autoclaves
- ✓ CIP-washer

«CJSC "Pharmaceutical company "Darnitza", Kyiv, Ukraine
AO "Gemoplast", Belgorod-Dnestrovskiy, Ukraine
JSC "Poltava Medical Glass Factory", Poltava, Ukraine
JSC "FARMAK", Kyiv, Ukraine

ACS of technological processes

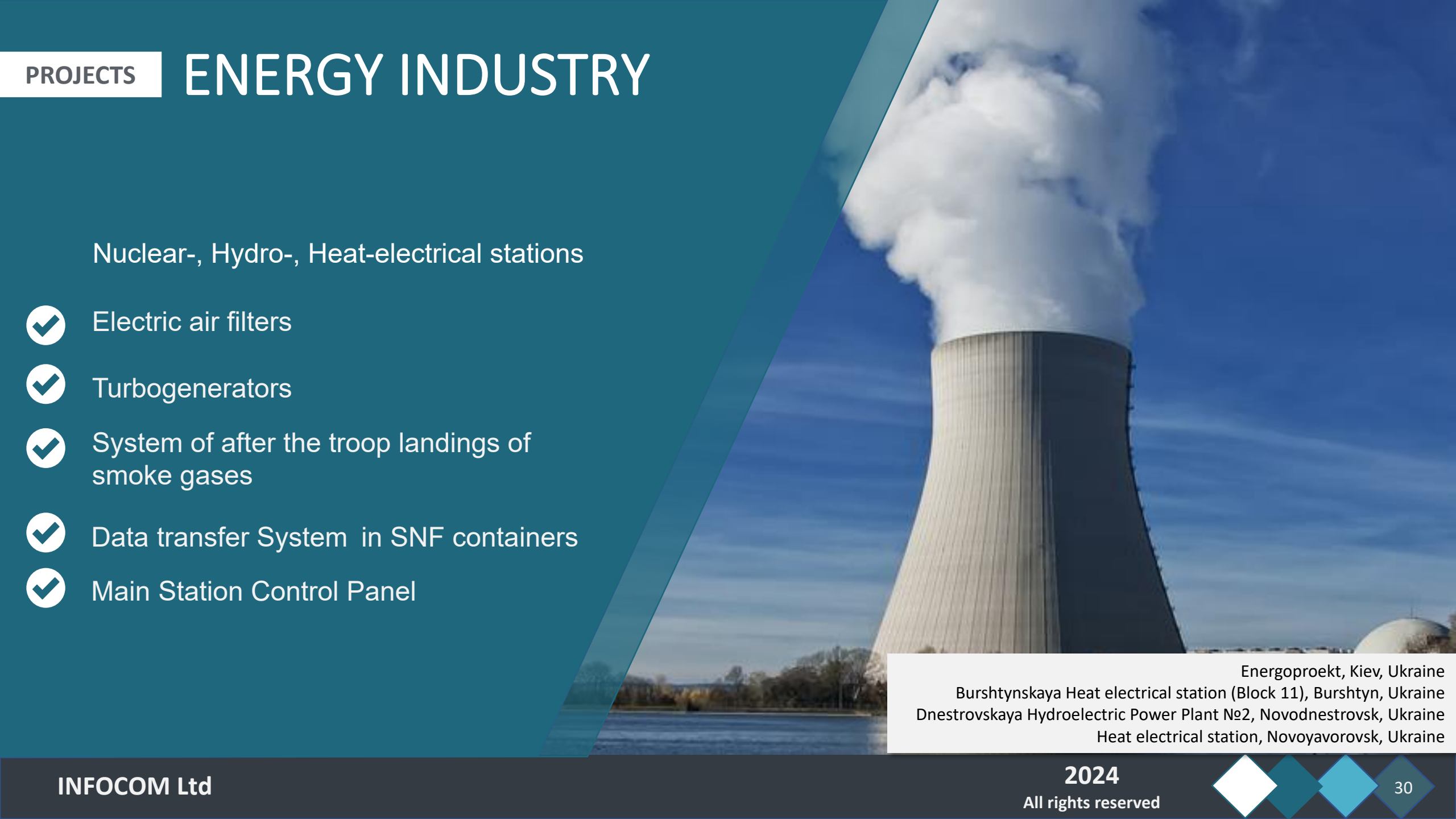
- ✓ Purified $TiCl_4$ production for pigment titanium dioxide production
- ✓ Sponged titanium production
- ✓ Titanium slags production
- ✓ Material flow



"Pan'gang Group Steel City Enterprises" Company, China
"Panzhuhua Iron and Steel" Company, China
"Yunan Titanium Plant", China
"ARIKOM" Company, China
"Zaporizhzhya Titanium and Magnesium Combine", Ukraine

Nuclear-, Hydro-, Heat-electrical stations

- ✓ Electric air filters
- ✓ Turbogenerators
- ✓ System of after the troop landings of smoke gases
- ✓ Data transfer System in SNF containers
- ✓ Main Station Control Panel



Energoproekt, Kiev, Ukraine
Burshtynskaya Heat electrical station (Block 11), Burshtyn, Ukraine
Dnestrovskaya Hydroelectric Power Plant №2, Novodnestrovsk, Ukraine
Heat electrical station, Novoyavorovsk, Ukraine

Automation and dispatching

- ✔ State control of DGS from operator's station
- ✔ Automatic regulation of boiler units, water treatment plants, general station tasks
- ✔ Parameters control of :
 - boiler, deaeration systems;
 - heating installations;
 - water treatment plants;
 - oil and diesel supply units for boilers;
 - deaeration systems.




"MP" Azovstal ", Mariupol, Ukraine
"Zaporozhye Fat Factory", Zaporozhye, Ukraine
"Eristovsky GOK», Komsomolsk, Poltava region, Ukraine
«Eurasian Foods», Karaganda, Kazakhstan

HIGH-VOLTAGE SUBSTATIONS

Construction and Modernization

- ✓ Relay protection design
- ✓ Monitoring
- ✓ Dispatching
- ✓ Protocol support IEC 61850, IEC 60870-5-101, DNP V3.0 , SICAM , WinCC OA SCADA system



Modernization of the transformer substation 10kV, Cargill, Kucovka, Ukraine.
Modernization of the transformer substation 10kV, Cargill, Hashevatoe, Ukraine.
Modernization of the transformer substation 6kV, Cargill, Koristovka, Ukraine.
Modernization of the transformer substation 35kV, Azovelectrostal, Mariupol, Ukraine.
Modernization of substation PS 35/10 for connection of a 3 MW solar power plant, Petropavlovka, Zaporozhye region, Ukraine.
Construction of transformer substation 10 kW, Cargo MW, Juzhniy, Ukraine

Solar Power stations

- ✓ EPC-contracting
- ✓ Business-plan development
- ✓ Designing, supply and commissioning
- ✓ Construction and mounting works
- ✓ Control and monitoring system
- ✓ Hybrid power supply systems

SPS with capacity 4.7 MW, Kherson, Ukraine
SPS with capacity 5 MW, Kherson, Ukraine
SPS with capacity 3 MW, Zaporozhye region, Ukraine
Roof SPS with capacity 10kW, Zaporozhye, Ukraine
Roof SPS with capacity 17kW, Zaporozhye, Ukraine
Roof SPS with capacity 10kW on a private house, Zaporozhye, Ukraine
Roof SPS with capacity 6kW rooftop of building in Zaporozhye, Ukraine
Façade SPS with capacity 30 kW on the facade of a private house, vil. Mihaylovka, Ukraine
SPS with capacity 21 MW, Zhitomir region, Ukraine

OFFSHORE OPERATIONS

Systems for offshore projects

- ✔ Intelligent Monitoring and Control System (IMAC)
- ✔ Process Information Management and Acquisition system (PIMAQ)
- ✔ Ventilation and air conditioning system
- ✔ Power Management System (PMS)
- ✔ Monitoring and dispatching system
- ✔ Emergency Shutdown System (ESD)
- ✔ Fire Fighting System (FIFI)



Husky Energy platform /Siemens AG, Norway
Platform Snorre A, Statoil Hydro and Siemens Oil & Gas Offshore AS, Norway
Oseberg platform, Sevan marine and Siemens Oil & Gas Offshore AS, Norway
Sevan Hummingbird platform, Siemens Oil & Gas Offshore AS, Norway
SSP300 platform, Sevan marine/Petrobras and Siemens Oil & Gas Offshore AS, Norway
Njord platform, Siemens Oil & Gas Offshore AS, Norway
HelWin2 HVDC converter platform, Heerema Marine Contractors, North Sea, Germany

Automation and dispatching

- ✔ Intelligent monitoring and dispatching system
- ✔ Production data collection and management system
- ✔ Remote Well Monitoring
- ✔ Complete automation and energy distribution solutions
- ✔ Software development PLC, SCADA

Technical re-equipment of ASC TP Kotelevskaya USP, PJSC "Ukrghazdobycha".

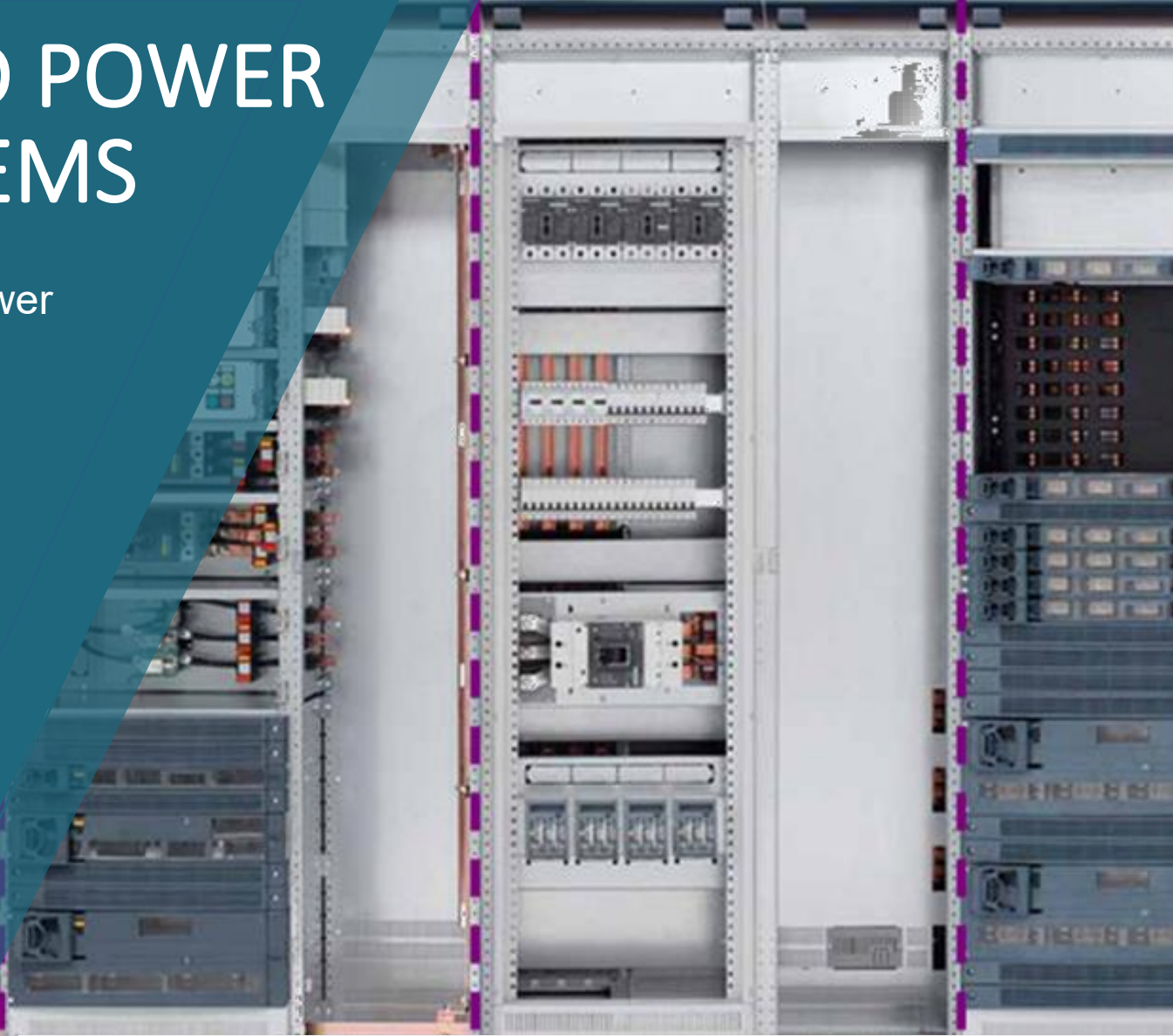
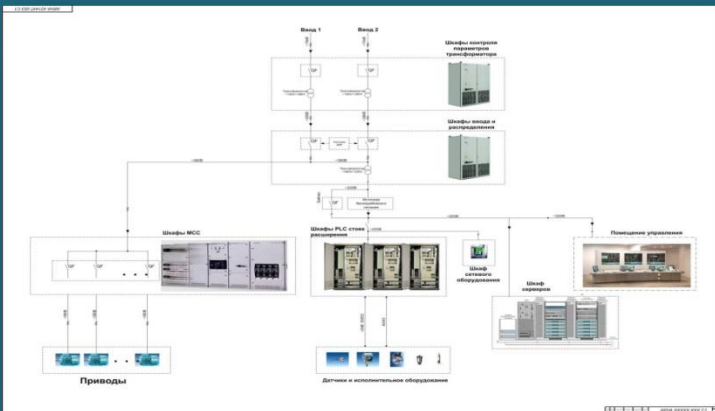
Technical re-equipping of the monitoring system for wells located on the bulkhead facilities of Yablunevskoye OGCF, PJSC "Ukrghazdobycha".

Sakhalin Oil and Gas Condensate Field Well Remote Monitoring Automated System, PJSC "UKRNEFTEBURENIE" AC

POWER SUPPLY AND POWER DISTRIBUTION SYSTEMS

Designing and production of power supply and power distribution systems

- ✔ Power supply systems
- ✔ Power distribution systems
- ✔ Uninterruptible Power Systems
 - continuous power supply
 - regular power supply



Over 120 power supply systems
Over 2000 supplied cabinets

PRODUCTION OF CABINETS

- ✓ PLC and LV cabinets 0.4 kV
- ✓ DRIVE frequency inverter cabinets
- ✓ Cabinets MCC SIVACON S8 0,4 kV 7400 A
- ✓ Switchgears with voltage 6-35 kV
- ✓ Power distribution cabinets
- ✓ Reactive power compensation cabinets
- ✓ Main dispatching console
- ✓ Server cabinet / data center / SCS
- ✓ Lighting Cabinets



ENERGY STORAGE CONTAINER TYPE

Container-type energy storage units 10,20,40 ft with rated power PCS 40-2500kw / BESS 40-2080 kWh

- ✓ Relay protection design
- ✓ Monitoring
- ✓ Dispatching
- ✓ Protocol support IEC 61850, IEC 60870-5-101, DNP V3.0, SICAM, WinCC OA SCADA system



UGV ENERGY STORAGE

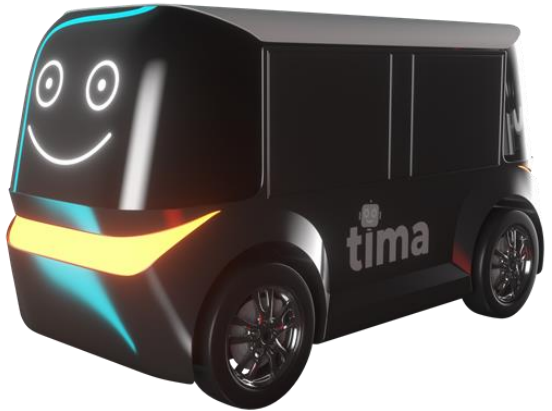
Energy storage for an office building BESS 40 kW, Infocom LTD, Ukraine

PRODUCTION CHARGING STATIONS FOR ELECTRIC VEHICLES

- ✓ VARIATIONS for a set of connectors CHAdeMO ,CCS½, Type ½, GB/T
- ✓ VARIATIONS for power 20-160 kW with power sharing system
- ✓ Charging station for fast charging AC/DC
- ✓ Charging station for fast charging DC/DC
- ✓ Charging station for charging AC/AC
- ✓ Mobile application UGV Chargers is an on-line service for charging electric vehicles and paying for sessions, as well as a platform for technical monitoring and dispatching



SOLUTIONS FOR MUNICIPAL TRANSPORT UNMANNED TECHNOLOGIES



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✉ sales@ia.ua

or call our office for a consultation by phone

☎ +38 (061) 213-78-55

☎ +38 (061) 213-79-55



 **INFOCOM Ltd**

www.ia.ua

+38 (061) 213-78-55
+38 (061) 213-79-55
sales@ia.ua



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