

50 years tradition in drive technology
and industrial automation

Electricity efficiency and ecology

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About Apator Control Ltd.

- ▶ Company within the Apator Group
- ▶ Leader in designing, manufacturing and implementing drive systems and distribution and control equipment in electrical industry
- ▶ A tested brand specialized in designing and performing control systems based on AC, DC and servo drives
- ▶ Supplier of motor drives and AC and DC motors with wide range of power
- ▶ Company which prepares and implements complete systems using broad range of PLC controllers and automation devices
- ▶ Consulting in the area of power electronics, power supply and electricity distribution, switchgears and transformer stations manufacturing
- ▶ Customer care and solution perfection

Professional lighting systems based on LED technology:

- ▶ Light sources
- ▶ Lighting luminaires
- ▶ Lighting control systems
- ▶ Light panels and fabrics



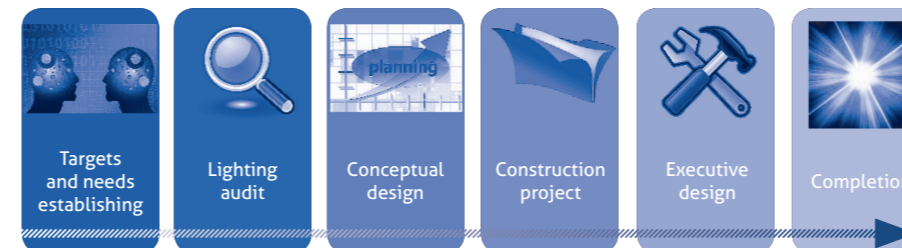
Photovoltaic installations and components for their assembly

Electricity storage

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PHILIPS



Philips Lighting Partner Program

Apator Control participates in program, which allows creation of international partners network and usage of integration of the best technologies. Owing to this Apator Control has access to latest Philips lighting products and solutions.

Warranty

Economy

Environmental protection

Safety

Photovoltaics power plants

- ▶ Reliable and completely safe electricity generators
- ▶ Lack of pollution and noise
- ▶ Multiannual period of maintenance - free electricity production

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Offer overview

- ▶ Inverters, DC motors, soft starts, drives, gearings, PLC controllers, touch-screens with software, multi-axis controllers, control cabinets, machines and process lines modernizations
- ▶ Transformer and distribution container stations, LV and MV connection cabinets, LV and MV switchgears, street lighting cabinets, replacement for APU switches, switchboards modernizations
- ▶ Professional lighting systems based on LED technology
- ▶ Photovoltaics

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Improving the quality
of electricity management

Automation of industrial processes

From the arrangements to the project

Control cabinets

Activation, service, trainings



Electricity distribution

- ▶ LV and MV switchgears
- ▶ Transformer stations
- ▶ Distribution stations and MV connection cabinets
- ▶ Automatic Transfer Switching Equipment
- ▶ Capacitor batteries
- ▶ Pull-out APU switches retrofits
- ▶ Cable and metering connection cabinets
- ▶ Lighting cabinets

Control cabinets, stations and switchgears

- ▶ High quality of cabinets, stations and switchgears
- ▶ Coherence of indication systems in the whole automation system
- ▶ Shortening of the start-up time, amendments or extension
- ▶ Every system has CE marking or proper certificate
- ▶ Electromagnetic compatibility of control systems applying proper RFI filters
- ▶ Machines operation security due to modular safety systems application in accordance with EU directives
- ▶ Every application has necessary measurements and is admitted to the Office of Technical Inspection [UDT] and Transport Technical Inspection [TDT]
- ▶ Energy and its parameters measurement, possibility of local and remote reading, energy quality improvement due to RFI filters and capacitor batteries application and switching power source automation with the possibility of remote and manual control



Investments and modernizations

- ▶ Control systems for industrial lines for all companies, which plan new investments and modernizations of production facilities
- ▶ Electricity distribution appliances, which supply buildings, machines and instruments
- ▶ Modernizations of existing switchboards and switchgears in order to increase their effectiveness and functionality throughout RFI filters and capacitor batteries application and automation and switching power source with the possibility of remote and manual control



Electrical projects

- ▶ Projects are developed in accordance with good engineering practice
- ▶ Electrical documentation is performed in CAD programs and delivered with installation technical description, control cabinets construction diagrams, connection boards, material lists and cable album

PLC controllers programming

- ▶ Automation systems are based on PLC controllers of leading multinational corporations
- ▶ Wide range of control systems application with dispersed configuration using intelligent I/O modules based on Profibus, DP, DeviceNet, CNet standards

Processes visualisation and data archiving

- ▶ Services in the field of creating and implementation of applications in SCADA systems of well-known international manufacturers in form of developed applications and on operating and graphic panels

*Free counselling
and technical support
at the stage of preliminary
discussions and during
the whole investment
realization process*



Comprehensive service

Systems software documentation preparation and also realization – from the elements completion, control cabinets, stations and switchboards assembly through installation and wiring, up to system start-up with trainings and service assurance

- ▶ **project** ▶ **documentation** ▶ **prefabrication**
- ▶ **supply** ▶ **installation** ▶ **activation**
- ▶ **training** ▶ **service**

- ▶ Cooperation with enterprises conducting equipping objects with electrical devices and control and instrumentation equipment, mechanical assembly and system wiring on the facility

Professional service

- ▶ Standard warranty and post-warranty repairs and services which guarantee correct devices functioning
- ▶ Emerson Industrial Automation (Control Techniques) devices service
- ▶ 24-hour service

Training

Conducted by engineers which design and program actual applications



Industrial Automation

- ▶ PLC controllers with software
- ▶ Operator panels with software
- ▶ Control cabinets and drive applications
- ▶ LV and MV inverters in modular and cabinet version
- ▶ Thyristor systems in modular and cabinet version
- ▶ Motors:
 - ▶ DC
 - ▶ Asynchronous
 - ▶ Servo AC and DC
 - ▶ With durable magnets

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