

MULTI-PROFILE DEVELOPER AND MANUFACTURER OF ELECTRONIC PRODUCTS

# **INCOTEX Electronics Group Key Fields of Activities**

- Electricity metering
- Electronic trade equipment
- LED lighting
- Information display systems
- Set-top boxes and video surveillance
- Professional digital TV equipment
- Power supply units
- Amateur optics for telescopes
- "Safe phone"



## **INCOTEX Electronics Group is**

- 5 plants in Russia
- 3 plants abroad (Bulgaria, China, Germany)
- Over 800 types of products
- Over 200 patents, including more than 60 international patents
- Export to over 30 countries worldwide
- Only state-of-the-art technologies used in manufacture
- Full cycle of production of original products developed internally
- Cooperation with global leading suppliers of electronic components
- Quality Management System is certified for compliance with IQNet ISO 9001-2008 (international standard), as well as national standards DQS (Germany), CISQ (Italy), and AENOR (Spain).



#### **Electricity Meters and AMI Systems**



The lineup includes products for all residential and industrial applications from simplest single-phase residential meters up to multi-functional three-phase electronic meters with an integrated electric energy controller and a cutoff module.

All meters can operate on a stand-alone basis or as part of an AMI infrastructure.

Mercury<sup>™</sup> electricity meters meter, store and transmit consumption data through various communication channels: PLC, RF, GSM, Bluetooth, Ethernet, etc.

A wide range of additional products is manufactured: interface adapters, hubs, gateways and remote displays.









Over 120 types of meters!

Annual production – more than 4M meters!

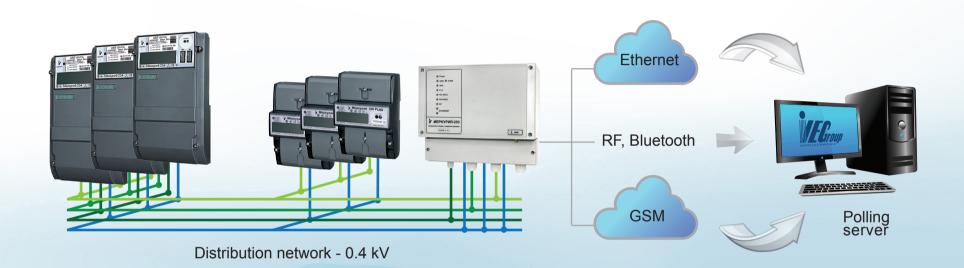
Each third meter sold in Russia is a Mercury meter!

Export to 7 countries!



#### **Electricity Meters and AMI Systems**

# **MERCURY**



Mercury-Energouchet SW package ensures a full-scale automation in energy supply management, collection, storage, processing, and analysis of the information necessary for a commercial and technical metering of electricity and other sources of energy. Mercury-Energouchet answers to a wide range of challenges in metering, control and management electricity and other sources of energy.



#### **Electronic Trade Equipment and Control Devices**

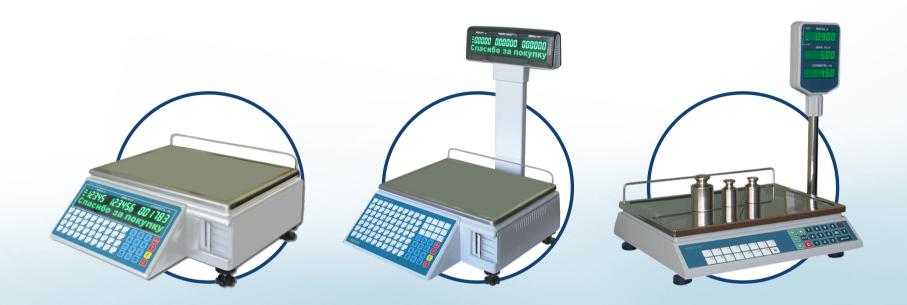
# **MERCURY**

- Cash registers;
- Fiscal registers;
- Taxi meters;
- Control devices (tachographs);
- Electronic trade scales;
- Printers.



#### **Electronic Trade Equipment and Control Devices**

# **MERCURY**



- Compact and original design.
- A wide range of communications (GLONASS/GPS, GPRS, Wi-Fi, Ethernet, CAN, USB, RS-232, RS-485, Bluetooth);
- A wide range of supported protocols (FTP, UDP, HTTP, HTTPS).
- Rubber or CHERRY keyboard, graphic displays, built-in accumulators.
- Two SIM cards (optional).
- Several languages for interface and print-outs.



## **LED Lighting**



#### **Applications**

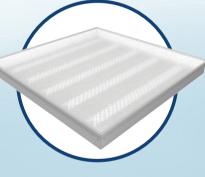
- Offices, trade areas and warehouses;
- Yards and industrial areas;
- Railway platforms;
- · Municipal roads and highways;
- Greenhouses;
- Entrance halls, staircases and flats;
- Architectural lighting;

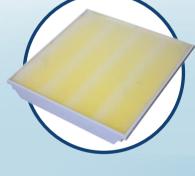
Hazardous production facilities, as well as metro.

















Over 100 types of luminaires!

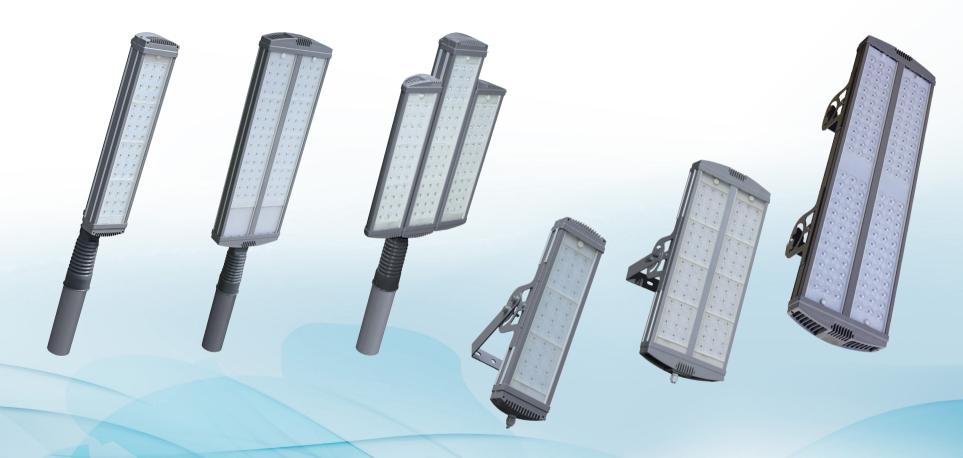
LeaderLight luminaires have over 10 % of the Russian market!

Export to 6 countries!



## **LED Lighting**





Modular Lego-like design of road and industrial luminaires protected by the patent provides not only for different wattages from 15 to 270W, but also for a change in design according to a client's request.

A patented "floating" structure of fixing secondary optics is applied here.



## **LED Lighting**





Original proprietary design of the bulkhead and recessed luminaires allows to add on modules thus creating various design solutions and building different lighting structures branching in all directions.

Over 60 international patents for unique engineering solutions, including those that use phosphor made with an in-house patented formula!



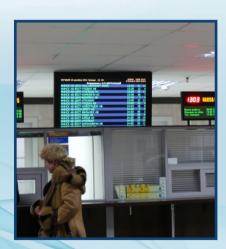
## **Information Display Systems**



- LED screens and media facades.
- LED scrolling lines.
- One-colour and full-colour LED boards.
- All-weather LED boards.
- Touch-screen media terminals.
- One-colour plasma boards, etc.
- Full-scale solutions for the transport infrastructure, sports industry, banks, medical and educational institutions.









Over 50 % of the Russian market!

Export to 5 countries!



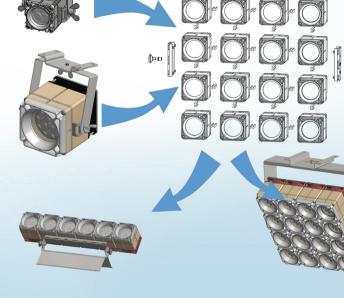
#### **LED Floodlights**



- Easy-to-use Lego-like modular design.
   Basic units of 8W and 25W.
- Any luminous flux based on a different number of basic units.
- Beam angle from 10 to 45 degrees.













#### **LED Bulbs**



- LLamp series
- Alfa series
- Beta series

- From 3 to 11W wattages.
- Lifetime over 50,000 hours.











Efficacy of some bulbs is over 110 lm/W!
Energy savings by up to 10 times!
Shock-resistant PC envelopes!
Safe, compared to energy-saving mercury bulbs!



#### **Digital TV and Video Surveillance Systems**



- Network IP video cameras, including those with an integrated analytics module.
- Routers.
- Network Video Recorders (NVR).
- Set-top boxes (STB) for digital TV.
- Equipment for formation of a digital TV transport stream.
- Measuring equipment for digital TV.
- Navigation units (trackers).



#### **Professional Equipment for Digital TV**



#### Development of high-tech products for digital TV

- Development of innovation equipment for broadcast automation in terms of regional and ad content insertions in digital synchronous TV networks.
- Professional devices for monitoring of single-frequency synchronous DVB-T/T2 networks.
- Head-end equipment.







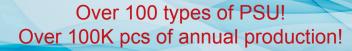
#### **Power Supply Units**



Drivers for scientific researches, geophysical equipment, severe operating environments, innovative LED lighting.



- Software-controlled drivers of AC and DC voltage and current from 200 to 500W.
- High-voltage drivers of lasers with power from 5 to 60W, voltage from 1,000 to 19,000 V.
- AC/DC & DC/DC converters for severe operating environments with power from 5 to 600W, number of outputs from 1 to 16.
- Drivers for LED luminaires from 3 to 150W.





#### **Amateur Optics for Telescopes**

**Astrea** 

Optics for professional and amateur astronomy.

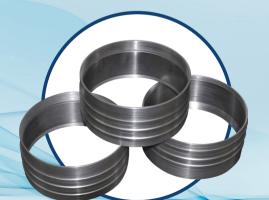
· Optics for lasers.

These lenses provide for high-quality images in amateur telescopes.

Optical lens arrangement ensures an excellent colour convergence with correction of chromatic aberration.

High quality of lens production and assembly ensures a minimum rms variation from the design wave front and a high image sharpness. Multi-layer antireflection coating of optical parts provides for observation of faint objects.







#### «Safe Phone»



#### Global invention! Over 20 international patents!

Do you know that cell phones are dangerous for you and your children? The World Health Organization classified cell phones into Group 2B of carcinogenic devices.

**SAFETTE** - is a thin device of a matchbox size that receives and transmits information from and to an operator.

Thus the radiation is emitted only by this device, and if the Safetel device is more than 0.5 meter away from you and your child your safety is guaranteed.







