

Dear Sirs/Madam,

The group of companies «PLUTON» (<https://pluton.ua/en>) is one of the largest manufacturers of electrical equipment in Ukraine. The main activity of the companies is design, production, turnkey supply, further installation, commissioning and putting into operation of DC traction equipment for different needs of:

- various industries: mining companies, **metallurgical plants**, and also supply of rectifiers for electrolysis, electrotechnology and electrothermics
- railways (voltage range 1,2-3,3 kV DC, including railways at mining companies)
- urban passenger electric transport (metro, trolley, tram).

We produce metal-clad semiconductor substations which are used for uninterruptable 230 V DC power supply of overhead cranes, furnace and casting bays at metallurgical plants.

Equipment for metal-clad rectifier semiconductor substations manufactured by PLUTON includes:

- Rectifiers (output voltage 230 V DC, rated current range 800-4000 V DC)
- Cabinets with automatic equipment, which are meant for power supply and protection of 230 A DC circuits of iron and steel works crane stations (rated current range 800-4000 A DC, designation range: L-linear, S-section, V-incoming)
- Busbar bridges.



In addition to that we manufacture DC traction substations (1,65 kV DC) for power supply of various needs of mining companies, frequency converters and automatic control systems of drilling machine drives, control cabinets for transformer cooling systems, thyristor water-cooled rectifiers for electrolysis baths power supply, water-cooled rectifiers for metallurgy companies etc.

PLUTON delivers DC equipment worldwide, including such countries as Sweden, Korea, Poland, Romania, Turkey, Madagascar, Kazakhstan, Azerbaijan etc. Equipment we produce is distinguished by a modern component base, with extended life cycle and which requires minimal maintenance costs for service personnel. One of the latest projects was putting into operation Tudor Arghezi traction substation in Bucharest metro (Romania) (<https://pluton.ua/en/news/bucharest-metro>).



Kindly ask you to check the link with the full reference list of PLUTON implemented projects (<https://cloud.pluton.biz/s/TS4BTNPltatUFil>). Based on a high level of technology, 24/7 customer support and outstanding expertise we built long-term relationship with our Customers.

At the moment PLUTON company, represented by Pluton Poland, additionally opens a full-cycle production (engineering, marketing, sales, quality system, production units, logistics, etc.) in Poland, Warsaw.



All our products are certified for compliance with European standards and have been successfully type tested in accordance with IEC 60146-1-1:2003-09 at the institute IPH (group of international test centers CESI) (Berlin, Germany).

Talking into account our positive experience of supplying equipment to metallurgical plants and experienced team of engineers PLUTON is able to design and manufacture DC equipment for the special needs of metallurgical plant.

For the purpose of discussing directions of further cooperation and presentation of the «PLUTON» group of companies, we kindly ask you to consider the possibility of holding a joint meeting at a time convenient for you.

Looking forward to your kind reply.

Director General



Yevgen Ovsyaniker