

ECOLOGICALLY SENSITIVE SECURITY

Ukrainian security company TSM Group explains how ecologically and environmentally policies are now at the heart of its work practices

One of the key activities of the Corporation is developing and manufacturing security systems.

These include turnstiles, electronic access control, road blocking systems and anti-rammung devices. The advantages of these systems have surprising secondary benefits in improving key environmental issues.

For 20 years we have installed our products in public and industrial facilities across Europe, Asia and Africa. In particular, our turnstiles are installed at a nuclear power plants which are environmentally sensitive and need special ecological protection.

For more than 10 years our barriers have successfully controlled the movement of personnel and visitors as well as ecologically sensitive and unsafe nuclear materials at the Zaporizhia Nuclear Power Plant – the largest such plant in Europe.

Nuclear safety

Our company's developments in access control and physical protection are important elements of complex nuclear power plant safety. They meet the latest requirements of the IAEA and local ecological authorities.

The penetration of unauthorized persons and vehicles may have dramatic consequences and could lead to ecological disaster. Therefore, the physical protection of nuclear power plants is the first and the main obstacle against any attacker.

Electronic systems are another integral part of barriers we help provide. That's why our company has developed an integrated security system called STERN. At the first glance, access control is not related to the "green technology" and do not care for the environment.

But in fact, individual components and the entire system are making a significant contribution to the economy of natural resources and efforts to prevent climate change.



Corporation TSM Group is the leader of the Ukrainian market in the area of fire protection, hi-tech engineering and security systems developing, designing and manufacturing. One of the Corporation's priorities is the production of physical security systems which are exported to 33 countries.

Resource use

STERN allows companies and power plant supervisors to control the movement of personnel and vehicles via gates, turnstiles and office doors. Data gathered through this system can generate valuable information and ensure energy is used in an effective way.

If a company knows when a room is occupied, it can control the lighting, heating and air conditioning. This can bring great results in resources efficiency on a global scale.

The integration of access control system with the whole building management offers many opportunities for people to use energy more wisely. This allows us to turn on or off lightning and equipment much easier and to understand when the energy is really needed.

What was done before with more efforts, with STERN now can be done by just a few clicks. Due to our special modes, it is possible to save up to 75% of energy consumption.

Paperless offices

All the components are made of environmentally-neutral materials.

Our access control system operates using almost any card readers. This avoids the extra cost and scrapping readers. It also allows us to combine various systems into one, reducing the number of different cards.

STERN makes possible to track electronically time and attendance at work. Through this, we can forget about paper time cards.

No paper is needed, saving trees. It is important that all of our systems are designed on the principle of interchangeability. This way we ensure there is no need to throw out and utilize the whole systems or a significant number of their parts.

At TSM we believe that physical security, high-end electronic access control systems, the functionality that they offer, and the effective implementation of these systems can help business hit a new level in the field of environmental protection.

TSM Group
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