ABB factories
Przasnysz

The ABB medium and high voltage apparatus factories in Przasnysz are among the most technically advanced ones in the world. They have global responsibility, which means that certain products offered by ABB Group and distributed all over the world are produced only in Przasnysz. The factories are known in Poland and in the world for their instrument transformers, disconnectors, surge arresters and fuses. The ABB plant in Przasnysz employs 420 people. Technology Development Centres also operate in Przasnysz to improve the products offered.

The ten years of the 21st century were a period of dynamic development for the Przasnysz factory , marked by upgrading of most production lines, modernization of production and, most importantly, expanding to new markets and increasing production. The factory was upgraded, which helped to improve the comfort of work and reduce operating costs. Additionally, many new products were added to the plant's offer. Previously manufactured and valued products were modernized and power companies from countries to which our products had never been exported took interest in many devices. But the Przasnysz factory is not only a specialized manufacturing centre. For the Polish company, it is also a unique recommendation, confirming that the idea of energy efficiency promoted by ABB is not a mere catch-phrase but a measurable economic value. The upgrade of the factory took a few years to complete and was largely oriented on reducing energy intensity of the building and the production process as well as minimizing the harmful environmental impact of the technology and also on improving comfort and safety of work. The plant was connected to the district heating system. This was followed by thermal upgrading of the entire building. New and much more efficient heat exchangers, better fans and other units

were installed and the building was insulated. Consequently, one year after the commencement of the works, the costs of heating decreased by 45 percent. Today, the plant requires only 30 percent of the heat consumed in 2005.
Works undertaken to optimize electricity consumption were equally extensive. The entire factory power supply system was upgraded, starting with the main 15 kV switchgear, through the power supply network and ending with individual department switchgears. A new transformer station was also developed in Przasnysz – designed, produced and constructed by ABB.

Medium Voltage Apparatus Factory

Products of the medium voltage apparatus factory are sold in 80 countries in the world, the main buyers being customers from Sweden, Norway, Finland, Italy, China, Australia and the USA. Instrument transformers are manufactured on one of the main production lines. At the beginning of 2011, a new outdoor instrument transformer production line was launched. Along with that, the plant was equipped with a new line for resinous composition preparation and casting. The factory also produces NAL type medium voltage disconnectors, which are market leaders in air-insulated equipment. They are exported to several countries on all continents and growing interest of customers prompts designers to continuously improve the competitiveness of the products, focusing on switching, strength and quality parameters, for which market requirements are constantly growing. In this connection, the Przasnysz factory has global responsibility for the indoor NAL disconnector and the outdoor NPS disconnector. Besides, the plant produces C4, SECTOS and AM disconnectors, as well as popular VD4 circuit-breakers which are major parts of medium voltage switchgears. The range of the products offered is supplemented by medium voltage fuse links which are distributed all over the world.
A Technology Development Centre operates within the Medium Voltage Apparatus factory. The ABB Group has ten medium voltage equipment centres. It is the only competence centre for the development of air-insulated disconnectors within the ABB Group.

High Voltage Surge Arresters and Instrument Transformers Factory

The factory produces HV current, voltage and combined instrument transformers as well as low voltage surge arresters. Current instrument transformers PA 123, voltage instrument transformers PV 123 and combined instrument transformers PVA 123 manufactured in our factory are new products, first put into production two years ago.
In 2012, the high voltage apparatus factory started an major development project which enabled the entire instrument transformer production process to be peformed in Przasnysz, starting with winding of current and voltage elements, which were previously manufactured by a third party supplier.
In 2013, the HV Transformer and LV Surge Arrester Factory started cooperation with a similar plant in Sweden. A project titled “Twin Factory” encompasses the production of major subassemblies for transformers manufactured at the ABB plant in Ludvika. For our factory this means not only another large investment, but most importantly, an increase of production and income, which doubled in the first year.
The production area increased by 700 m2 and 28 new employees will eventually join our personnel.
In order to be sure that the factory offers highest quality equipment, each device undergoes thorough testing, carried out at a modern high voltage testing facility, one of few of this class in Poland.
A second line of the Factory produces LOVOS type LV surge arresters. It is an indispensable device protecting low voltage AC systems against the effect of lightning and switching overvoltage. The surge arrester offered by the High Voltage Surge Arresters and Instrument Transformers Factory is highly valued on the market in Poland and abroad.

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