

Solutions for glass wool

Isover, Russia, trust in experience and industry expertise for a new production line

Siemens Solution

- Totally Integrated Automation (TIA)
- SIMATIC PCS 7 process control system
- Process Instrumentation
- PROFIBUS DP

Sector Expertise

- International project management
- Glass know-how
- Project experience in Russia
- Local resources



simatic

PCS 7

SIEMENS

Isover, the insulation division of the French glass manufacturer Saint-Gobain, was looking for an automation solution based on state-of-the-art technology to ensure efficient and reliable production in a new Plant in Russia. Moreover, the specific requirements of the Russian market and the multinational scope of the project were asking for an experienced project management. Siemens was able to provide both, a uniform automation solution and a team that had industry, project and market expertise.

Siemens experience and industry expertise in a project for Isover

Isover has been active in the Russian market for eight years and is the second largest supplier of insulating materials in Russia. In 2002, the company decided to build its own production site in Russia on an old industrial site in Yegorievsk near Moscow. Initially only one line with a capacity of 20,000 tons of glass wool was to be built, but the plant's premises are large enough to house further glass lines.

The new plant was built by Isover Oy of Finland, in cooperation with Isover Russia. An energy-saving melting process, sophisticated TEL machines, and efficient and reliable automation technology were planned and implemented by an international project team.

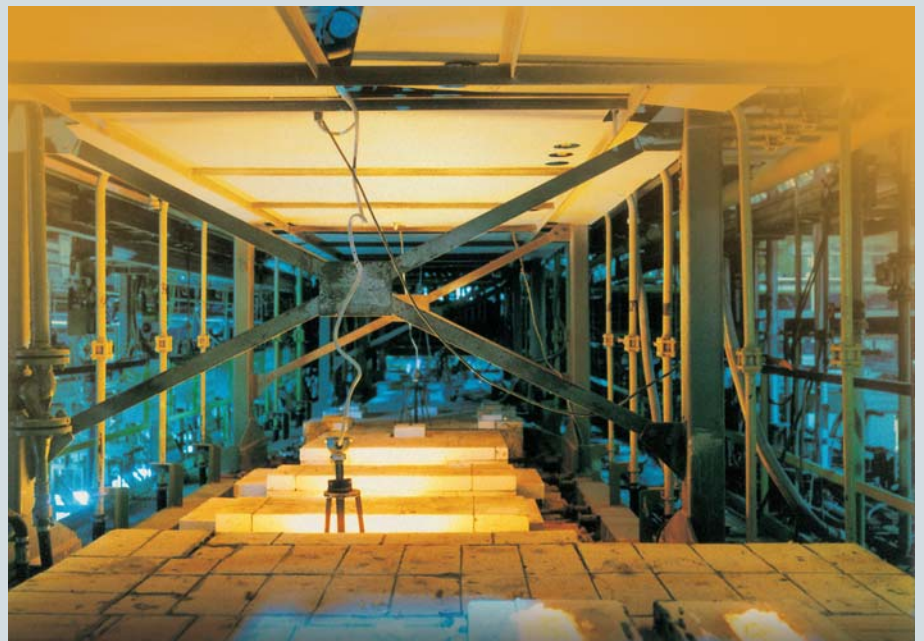
Siemens was responsible for project management in the areas of automation, process instrumentation, and valve technology, including the corresponding engineering and services. The fact that Siemens had already proven its industry and project expertise in another Isover plant in Poland was a decisive factor for Isover in placing this order.

The Siemens project management team worked in close cooperation with Russian engineering consultant company, who took over the responsibility for local installation of the systems. Siemens contracted its system partner STG Cottbus GmbH to create the application software and supervise the commissioning and installation of the systems on site. An Austrian company supplied the valves, Siemens Germany provided the SIMATIC PCS 7 system and the entire field instrumentation, and Siemens Finland delivered the cabinets and operator panels for the process control technology.

The SIMATIC PCS 7 process control system is used throughout the plant.

The systems in the process are connected to the control system via PROFIBUS DP – including SIPART PS 2 positioners. The uniform system architecture offers Isover several benefits. Reduced commissioning and fine adjustment time and costs, and simpler maintenance and servicing. At the same time, Isover can be certain that both the process control system and the process instrumentation can be extended or modified at any time.

The plant went into operation in October 2003 and was producing at full capacity within a very short time. A second production line is presently under construction and has been designed from the start so that its capacity can easily be doubled. For the new project, Isover again put its trust in Siemens' competence and appointed the proven team as project managers.



SIMATIC® is a registered trademark of Siemens. Other designations used in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owners.

The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.