

Sidenor, Greece-

46% energy savings due to Energy and Decarbonization Assessments

Sidenor

The Sidenor Group manufactures, processes and trades steel products. It is currently the largest Greek producer of steel products and has established itself in leading positions in both Greece and SE Europe in general.

Customer objectives

- The customer was looking for a reliable partner to make the plants' energy consumption transparent and reduce energy costs.

Solution

- **Comprehensive Energy Audit & Proposal:** Siemens service experts conducted a detailed energy audit, identified energy-saving opportunities, and developed a tailored implementation plan.
- **Pump Station Optimization:** The project focused on optimizing a large pump station with ~80 pumps, including upgrades to cooling tower efficiency via an innovative control system based on approach temperature.
- **Advanced Automation & Monitoring:** Siemens installed a fully integrated system featuring SIMATIC S7-1500, SINAMICS G120 drives, Simocode units, and WinCC Professional, all configured via TIA Portal, resulting in significant energy savings and enhanced operational control.

Customer benefit

- Complete monitoring of the plant cooling system
- Increase of the availability
- Measured energy saving: 46%.

