

Steel Industry

Cost reduction in the energy-intensive industry

It pays off - Imbach-Schmiedewerk reduces electricity costs with the Alpiq system

Imbach & Cie AG in Nebikon is one of Switzerland's largest providers of forging services. They export high-quality metal parts worldwide. Manufacturing these products requires a great deal of electrical energy. Hence Imbach AG relies on Alpiq energy optimisation and reactive power compensation systems.

Alpiq equipped the factory with a fully-automatic load management system in February 2017. The Alpiq system controls five tempering furnaces with an output of between 50 and 350 kilowatts, which are integrated using an

existing Dupline bus system. The load management system enables the original peak load of 1.5 megawatts to be reduced by approximately 200 kilowatts. Moreover, Imbach was able to cancel its meter data subscription with the local distribution grid operator, because the Alpiq system visualizes the output data and offers a range of additional advantages. Thanks to this data transparency, Imbach can achieve further cost savings, combined with a lower power consumption.



Efficiency up - costs down

Thanks to intelligent energy management

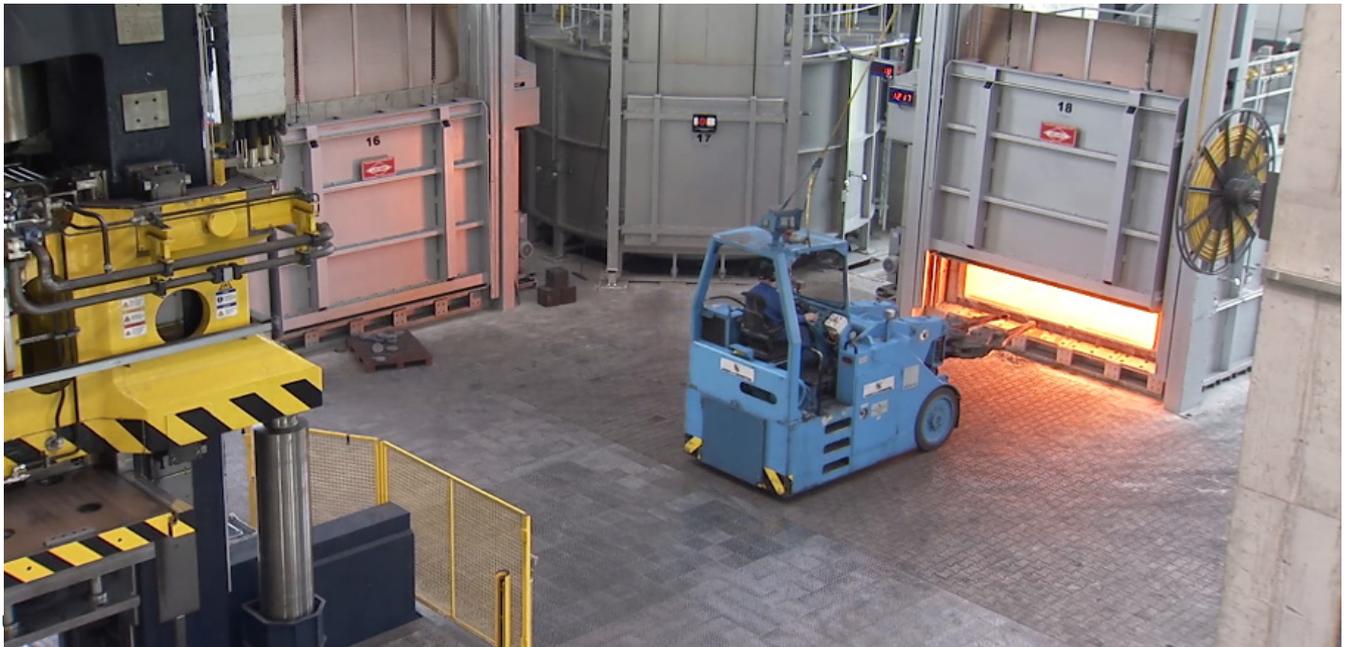
- Fully-automatic load management
- Visualisation of the output data
- Absolute data transparency
- Prevention of the excessive use of cost-incurring reactive power



Reduction of unwanted reactive current

Three new reactive power compensation systems from Alpiq prevent the excessive use of cost-incurring reactive power. The optimisation system monitors the proportion of reactive power and rapidly issues an alert if the defined proportion is exceeded due to a malfunction. The annual cost reduction achieved thanks to the load management and reactive power compensation amounts to approximately 17,000 Swiss francs.

“The professional implementation and the technological solutions were what convinced me,” says Stefan Imbach, Head of Engineering at Imbach & Cie AG.



Alpiq is a European energy producer based in Switzerland. Our range of products and services comprises integrated energy solutions for energy suppliers and producers as well as for industry and commerce.

We are a leading partner for digital energy solutions with over 30 years of experience. Our tailor-made solutions strengthen your core business and support sustainable growth as part of your sustainable energy future.

Digital energy solutions

Alpiq combines many years of energy expertise with the latest technology. Our customers benefit from innovative energy management solutions.

ALPIQ

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