

Data-Driven Optimisation for Combined Heat and Power in Volatile Energy Markets

Maximising profitability.
Ensuring regulatory compliance.
Empowering real-time decisions.

Aurora by Sigholm is a modular cloud-based platform for planning, optimisation and performance monitoring of district heating operations.

aurorabysigholm.com

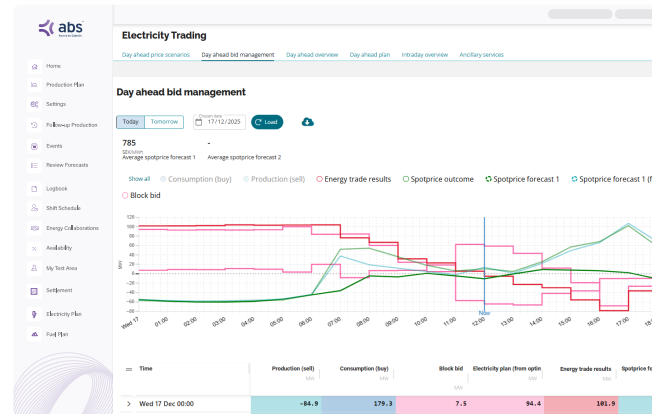


Navigating volatility with data-driven control

In a market characterised by volatility and complex regulatory frameworks, structured and data-driven control becomes essential. A modular and integrated cloud-based platform enables optimisation of combined heat and power production with full focus on profitability, transparency and risk mitigation.

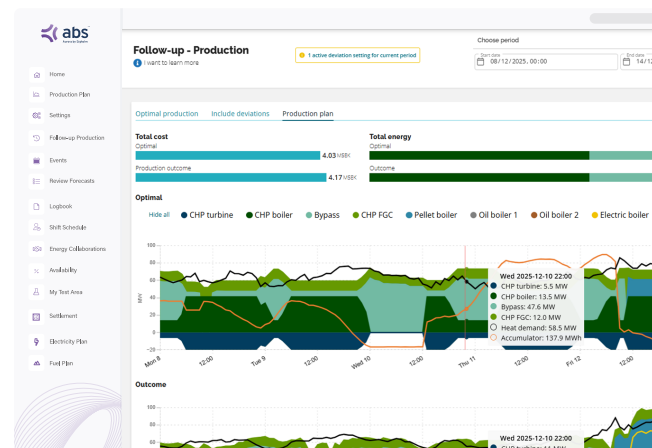
Designed for the Dynamics of the German Energy Market

The German energy market is changing quarterly. Volatile electricity prices, Redispatch 2.0 and increasing flexibility requirements place entirely new demands on operations. To make the right decisions in real time, an intelligent, modular cloud-based solution is required – optimising combined heat and power production technically, economically and in full regulatory alignment.



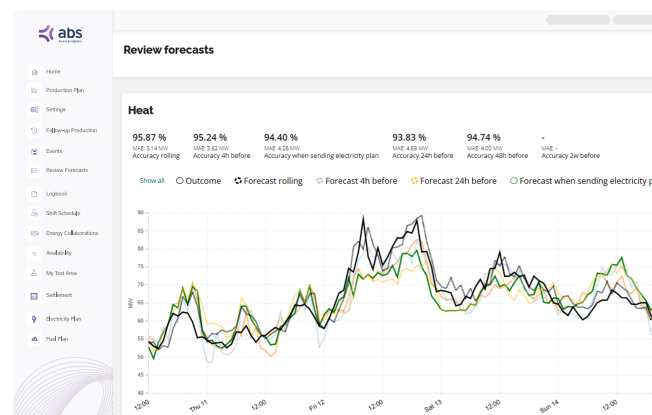
Connecting Operations, Markets and Strategy

Aurora by Sigholm connects operational data, market prices and production strategy, providing management and operational teams with a shared, real-time view of plant performance and financial results. When decisions are made where the information resides — in real time, close to operations – you can respond faster to price fluctuations and maximise plant profitability. Built on extensive Nordic expertise in combined heat and power and energy markets, Aurora by Sigholm is designed to meet the demanding standards of modern energy production.



Proven in Complex Energy Systems

Aurora by Sigholm is Sweden's leading optimisation system for energy companies and is currently used in Stockholm – one of Europe's most complex and integrated energy systems. Proven across Sweden, Norway and Finland, the platform is now ready to help German energy companies streamline and optimise combined heat and power production.



Get in touch to discuss your combined heat and power optimisation potential

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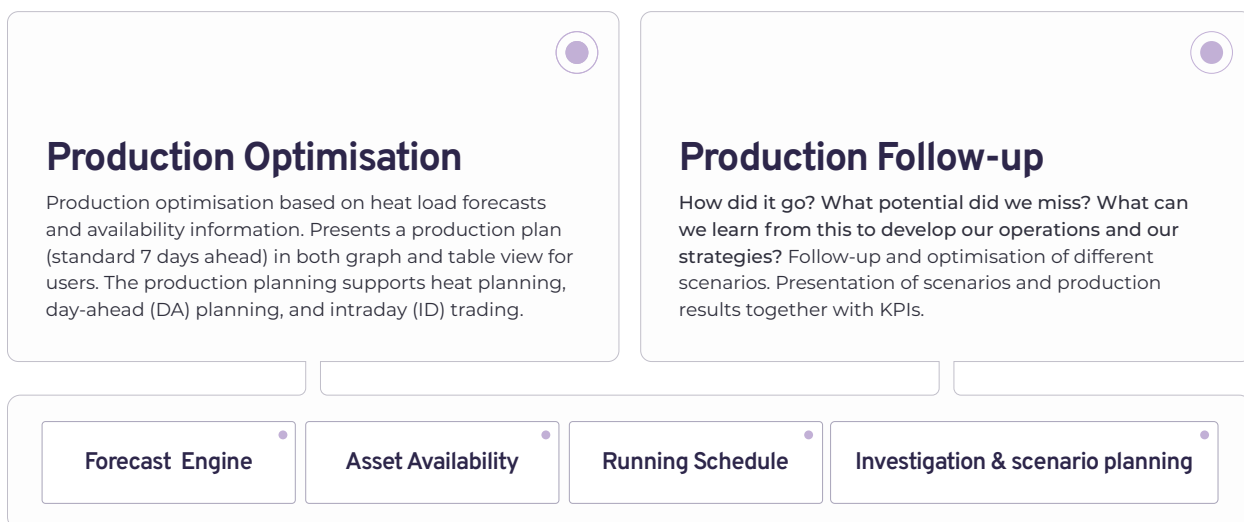
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Built to Scale. Designed to Evolve.

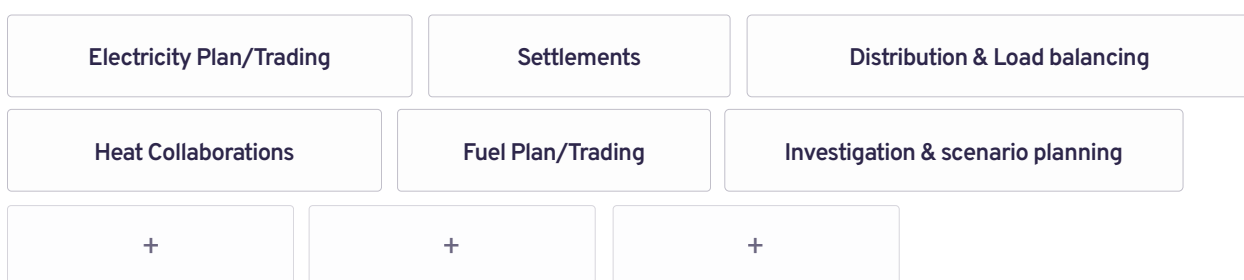
Built on a modular architecture, the Aurora by Sigholm platform is designed to meet you where you are and scale as your needs evolve. Start small, and expand your capabilities over time without disruption.

At its core are two powerful modules: Production Optimisation and Production Follow-up. Around this foundation, a broad ecosystem of additional modules extends the platform's reach, each one designed to drive better optimisation, improve profitability, and streamline the way your team works.

CORE MODULES



ADD-ON MODULES



Aurora by Sigholm – a cloud-based platform that grows with you

As your business grows, markets shift, and new regulatory requirements emerge, the platform evolves alongside them, ensuring your investment stays relevant and your operations ahead of the curve.

Aurora by Sigholm is a modular, cloud-based platform from Sigholm Tech designed for planning, optimisation and monitoring, supporting energy companies in the transition to tomorrow's smart energy systems. Sigholm Tech is part of the Sigholm Group, which brings together expertise in energy, sustainability and digitalisation with the aim of translating knowledge and technology into practical, data-driven solutions that strengthen both profitability and sustainability.

Behind Aurora by Sigholm is a cross-functional team of energy systems engineers, developers, data scientists, product strategists and change leaders with extensive experience in energy production. The service combines advanced optimisation, powerful analytics and a user-friendly interface to create a common operating strategy, automate routine tasks and free up time for more value-adding work. The result is better and more informed decisions, both in real time and in the long term.

40%

of Sweden's district heating production is optimised through Aurora by Sigholm

Trusted by leading energy companies in the Nordics

Stockholm Exergi

Vattenfall

Hafslund Celsio

Adven Finland

Adven Sweden

Övik Energi

Karlstads Energi

Sala-Heby Energi

Ljusdal Energi

Karlskoga Kraftvärmeverk

Affärsverken Karlskrona

Kalmar Energi Värme

Hedemora Kraft och Värme

Visit aurorabysigholm.com for more information

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