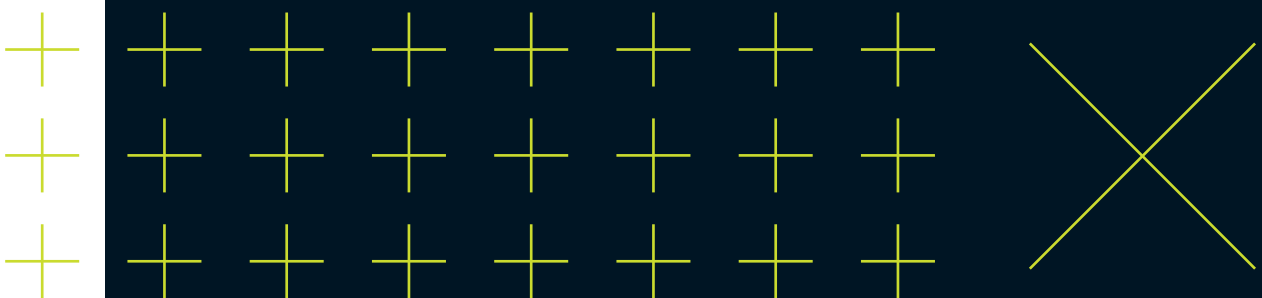
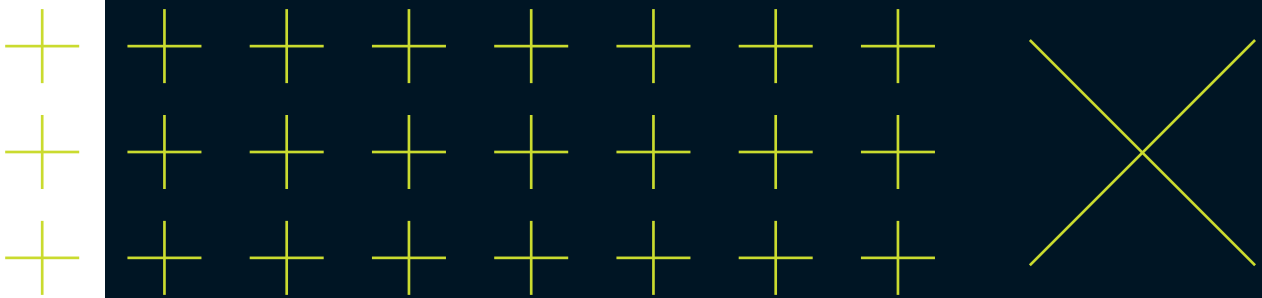


# Digital Solutions



SFW's Digital Solutions utilize process data 24/7, giving you access to real-time analytics that can increase efficiency and performance, lower operating costs, and improve the reliability of your plant.



# Digital Services Izana™

Digital insights can give you a deeper understanding of your operations and help you quickly identify areas for improvement.

This is especially useful when it comes to meeting new environmental requirements or implementing change. The constant monitoring of critical parameters makes it possible to switch to waste-derived fuels with confidence.

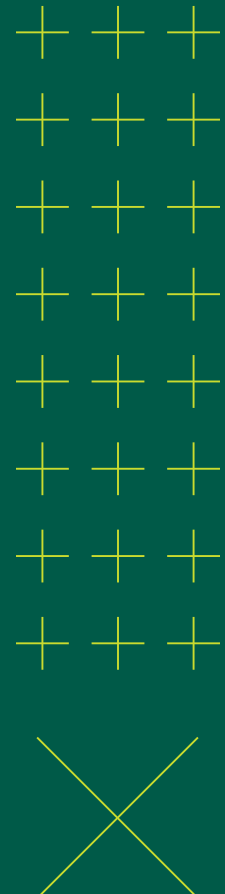
## Actionable insights

SFW's analytics applications provide clear actionable insights, based on machine learning algorithms and instructions in real-time, directly to operators. It means you have a standardized way of reacting to various situations and can make sure operations are running at their very best, every single day.

We also offer a range of advisory services, where you will get optimal performance and minimum downtime with the help of SFW's expert network. We provide performance optimization with advanced analytics and, expert mentoring and training.

Our analytics applications can:

- Maximize boiler output and profitability with lower grade fuels
- Help to avoid uncontrolled downtime due to bed material sintering
- Optimize soot blowing and boiler cleaning cycles
- Detect boiler leakages faster, minimizing secondary damage



## Easy access

Our digital service solution collects data from your automation system or cloud platform and then transmits, stores and processes it securely in our cloud platform. This enables SFW to provide sophisticated data analytics by combining decades expertise on boiler process and modern analytics applications.

Digital support are delivered on a 'software as a service' (SaaS) basis, allowing you full access to your web-based application in return for a monthly subscription.

## Absolute security

We follow stringent security best practices throughout the development, deployment and operation of our Digital Service products. This includes offering remote access via a virtual private network (VPN) to ensure that your data is always encrypted, whether static or in transit. Single sign-on (SSO) and IP restrictions are available on demand, and security audits by industry-leading partners are part of every deployment. Data ownership is always retained by the customer.

## Reference project: Digital Services for CFB boiler for recycled wood

With the Envelope technology, our customers can safely operate a boiler with a higher load and appropriate fuels. Envelope provides you with real-time information on the recommended maximum load that a boiler can safely handle with the current fuel mixture and quality.

Envelope has a high impact on optimizing electricity and heat production. It helps operators make decisions based on real-time information, rather than guesswork, and offers a user-friendly interface, which ensures high user satisfaction from the start. The technology also:

- enables full utilization of boiler capacity and unused design margins without an increased risk of additional maintenance costs,
- maintains high availability, ensures higher reliability and energy production as well as
- includes Advisory Services to support operators in optimized boiler operation and potential troubleshooting.

## Featured project: Mälarenergi's heat and power plant, in Sweden Envelope and Hotloop Diagnostics





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## About us

Since 1891, Sumitomo SHI FW have developed and delivered the highest quality technology solutions within the everchanging energy market. Now the transition to a net zero world is reshaping industries and economies to improve our impact on our environment.

We work in partnership with our customers, cultivating a deep understanding of their businesses, to deliver integrated energy solutions.

We want to be a life-cycle partner, bringing complementary expertise and working closely with our customers across the entire process. This is from customer value creation to design, scope, installation, execution, maintenance, and operations.

We partner with a diverse array of experts to meet rapidly evolving customer needs. With our unique knowledge, proven expertise, leading

technology, and global reach, we go further, together. By working closely with our customers, we enhance customer value and can reach decarbonization goals faster.

Whatever the customer challenge, we endeavor to find the solutions.

**Powering a decarbonized world  
for everyone.**