

STEAM GENERATION SYSTEMS

UNLOCK PEAK PERFORMANCE AND OPTIMISE YOUR ENERGY FLOW



OUR FOCUS IS ENERGY

Boost system uptime, compliance, and efficiency with real-time monitoring and active management of your steam generation systems.

WHAT WE DO

Active control, real-time monitoring and management to improve system performance

We drive efficiency through *measurement and active management*, enhancing *system stability and optimising system utilisation* to deliver lasting value (TLCC* reduction).

System supply pressure & quality optimisation

We *optimise your critical process control variables* while maintaining a *strong focus on performance*.

Operational behaviour & alert management

We alert you to any *behavioural or operational issues* that could impact the performance of your steam supply.

Operation & maintenance

We facilitate *streamlined operation and maintenance processes* with a focus on *TLCC reduction and compliance*, driving greater efficiency and long-term savings.

Tailored reporting & analytics

We *deliver reports tailored for your operational, management and strategic needs*, empowering informed decision-making at every level.

KEY INDUSTRY CHALLENGES

High energy consumption and efficiency deterioration

- A *lack of visibility of steam system efficiency* leads to increased TLCC.
- *GHG*** emissions associated with steam*.

Inconsistent steam supply

- *Sub-optimal pressure and steam quality*.

Uptime unpredictability

- *Ageing assets and substandard maintenance practices* elevate process control and operational risks.

Steam system complexity

- *Large steam systems are complex and expensive to operate, maintain and keep compliant*.

Lack of automated control and smart integration

- *Increased operational spend and overall decreased performance*.

Lack of real-time visibility

- *Increased maintenance spend and MTTR***.

IMPROVE OPERATIONAL EFFICACY

Gain actionable insights with targeted monitoring and reporting:

- Track utilisation trends
- Maintain efficiency through daily tracking
- Receive real-time energy alerts and alarms for swift action
- Optimise operational performance through quick and decisive real-time insights.
- Uphold system uptime through timeous alerts and alarms
- Unpack system complexity through actioanable insights targeted at TLCC reduction

OPTIMISE SYSTEM PERFORMANCE

Drive informed tactical decisions:

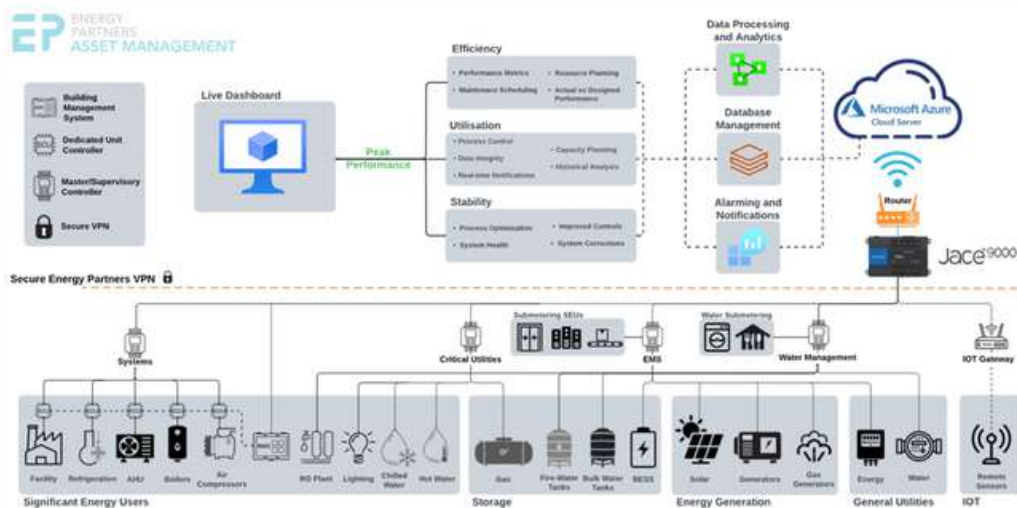
- Benchmark system performance against baselines and your portfolio
- Optimise operations and process control with targeted reporting
- Enhance internal reporting with real-time energy insights.

DRIVE STRATEGY WITH REAL-TIME KPIS

Unlock strategic value with real-time system KPIs that enhance visibility at both system and portfolio levels:

- Boost performance by benchmarking against industry standards and your own portfolio
- Maintain high quality with precise process control indicators
- Continuously improve operations and team behaviour through KPI tracking over time.

OPTIMISED ENERGY FLOW FOR PEAK PERFORMANCE



Your steam generation system is just one of many we integrate with to give you a **complete view of your facility's energy flow**. By **centralising data from utilities, energy assets and SEUs*****, we help you drive peak performance and optimise your energy flow, reducing TLCC and improving your carbon footprint.

***Significant Energy Users

Coenrad Ehlers



Tjaart Zwiegers



Vivian Veldsman

