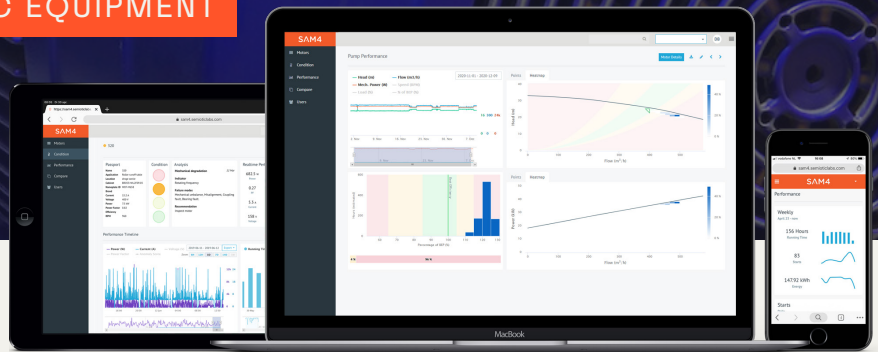


SAM4

Keep your high voltage machines healthy.

MEDIUM & HIGH VOLTAGE AC EQUIPMENT



Harness the unique strengths of electrical signature analysis to turn AC current & voltage data into powerful insight on critical MV and HV systems.



INSTALL HASSLE-FREE IN THE LOW VOLTAGE AREA

Just as for LV systems, SAM4 installs in the low-voltage MCC compartment, enabling quick and hassle-free turnaround. Follow the same fast, simple installation procedure you use for the low-voltage assets SAM4 monitors.



DETECT ELECTRICAL FAULTS WHEN THEY START

Most MV/HV faults are electrical and hard to detect using other technologies. But the electromagnetic changes they cause are instantly visible in SAM4's high-quality current and voltage data, giving you advance notice so you can avoid secondary damage and prevent complete failure. *



MONITOR CONTINUOUSLY ACROSS THE DRIVE TRAIN

SAM4 provides broad electrical and mechanical fault detection for your critical, non-redundant MV and HV assets. Predict most of the common MV/HV failure modes months in advance to prevent downtime and optimize use of scarce maintenance stops.



EFFICIENCY INSIGHTS TO DRIVE ENERGY SAVINGS

Through the real-time dashboard and monthly insight reports, SAM4 provides concrete information on power consumption, including A/B and time-based comparisons, showing you where you can take effective action to reduce energy waste.



OPERATIONAL INSIGHTS TO EXTEND ASSET LIFETIME

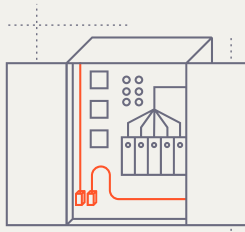
SAM4 not only helps you understand your MV and HV assets' current state of health, but also provides operational insights such as a real-time pump curve to help you stop future damage from developing.



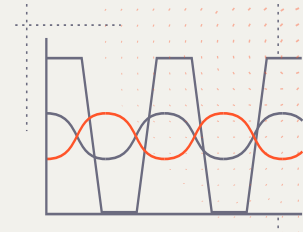
REAP THE BENEFITS OF EXPERT SERVICE

From detailed fault alerts to diagnostic deep-dives, our team of industry experts, data scientists and maintenance consultants help you derive maximum ongoing value from your SAM4 data.

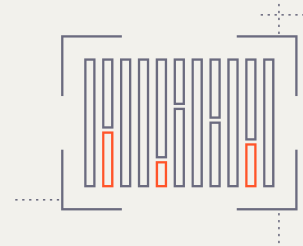
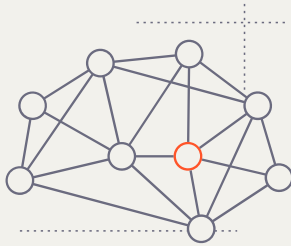
* SAM4 does not currently detect partial discharge. Visit www.samotics.com/solution for full details.



SAM4 uses high-frequency sensors installed inside the low-voltage motor control cabinet to measure all three phases of current and all three phases of voltage.



The gateway performs initial signal processing on the data locally, then encrypts and sends it to the SAM4 platform over 4G, Wi-Fi or Ethernet.



SAM4's self-learning artificial intelligence processes the incoming data 24/7 to detect and classify developing faults as soon as they begin.



Our expert data analysts review SAM4's automatic flags and contact the customer with a detailed analysis and recommendations.

SAM4's online client dashboard provides continuous real-time information on the health, performance and energy consumption of your connected assets.

**FOR MORE INFORMATION OR
TO REQUEST A DEMO:**

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