



How an energy management information system provides critical, real-time visibility into your equipment performance.

The Challenge

An energy management information system (EMIS) allows facilities to monitor energy use, optimize energy performance, and provide metrics on the results of implemented conservation opportunities. However, if the EMIS only tracks total energy consumption for the facility, it can be challenging to pinpoint opportunities and report on actual changes for a specific piece of equipment or process.

The Solution

Gathering data from strategic metering devices at the equipment or process level provides greater detail for monitoring, optimizing, and reporting on implemented efficiency opportunities. For example, in Figure 1 an EMIS system (Stewwi) showed high power consumption from air compressors (> 250 kW baseline) at times when demand should be minimal. Following an air leak audit and repairs to the air compressor system, there was a quantifiable reduction when demand should be low (< 200 kW baseline).

However, as seen in Figure 2, continued metering of the air compressors showed a potential trend of increasing power consumption during periods when demand should be low (indicating that new air leaks may be developing). This can trigger an automated alert by the Stewwi EMIS platform.

Detailed energy tracking at the process level enables identification and the capturing and retention of gains.

[Contact us](#) to learn more about an EMIS for your facility.

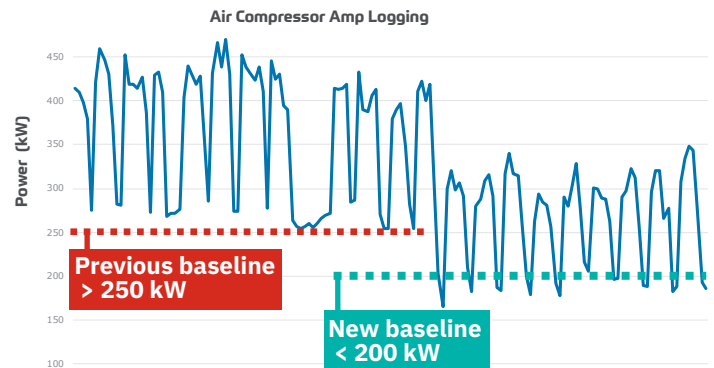


Figure 1: Meter data before/after air compressor leak audit & repairs.

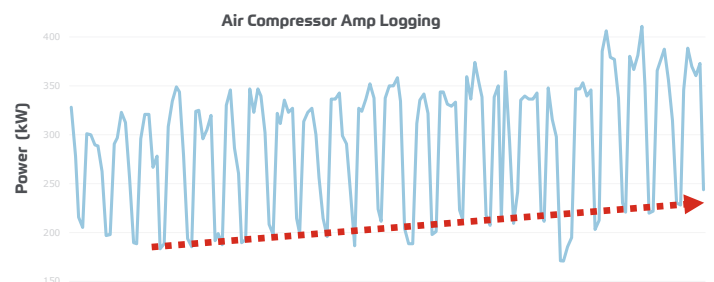


Figure 2: Meter shows upward trend, indicating potential new leaks.