

A solution to cement savings

We helped a global building material supplier improve the efficiency of their operations and save over £219,000 a year by monitoring energy usage across three of their sites.



They were looking for a solution to build on

With an operation that spans 50 countries, the client needed a solution that would give their plant managers full visibility of the performance of their critical machines.

It needed to replace their utility meter equipment, be user-friendly, and identify performance issues in real-time.

Laying the foundations for long-term returns

We created a two-phase approach using our energy insights solution, Panoramic Power. This measures energy use and pinpoints consumption across different equipment, buildings and plants. The system helps instantly cut costs, increase productivity and deliver live information to plant managers.

Testing the ground

Our solution was deployed at three locations within one of the company's manufacturing sites, including remote quarries. As part of this, we installed sixty sensors to monitor live energy usage on pumps, conveyers and crushers.

Using the granular data, we quickly understood the performance of the critical assets, and were able to detect failures. This insight gave the managers the live data they needed to introduce more effective maintenance schedules and improve efficiency.

The results

We discovered a conveyor motor was overloading and tripping out, this created a bottle neck in the process. Fixing it saved the client £211,383 (\$270,000) annually.

Our data also showed that energy was being consumed unnecessarily across several buildings and plants during out of working hours. By highlighting this, we saved the client a further £7,829 (\$10,000) a year.

Through these savings alone, the client achieved ROI within a month.



achieved in test
country



in out of hours
consumption



for global roll-out
of Panoramic Power

Why choose our energy insights solution, Panoramic Power?

- **Detect equipment failures before they occur** – Predictive maintenance recognizes unusual energy usage patterns and sends alerts for service – helping to avoid the high costs downtime
- **Maximize the energy savings of every device and entire plants** – Monitoring the energy consumption of individual devices, systems, and assets identifies inefficiencies, improper usage, and opportunities for savings
- **Benchmark devices, systems, production lines and more** – Evaluating data for comparable units uncovers systems that are not functioning properly, allowing you to detect hidden operational inefficiencies and energy waste