

**Productivity and Energy Management Services (PEMS) is a proven high-performance management program. It is specifically designed for and targeted at mining and industrial processes where there are opportunities for large productivity improvement and energy savings via strategic cost control, production process and systems optimisation, and waste minimisation.**



### What we believe

**“At ECS, we believe in operational excellence driven by insight from data and information to effectively run organisations and demonstrate value - there is simply no other way.”**

- Dr Mark Rawlins, MD

### What we do

#### Modelling and Establishing Baseline

#### Productivity and Energy Performance

Identifying and characterising the factors that impact productivity and energy use and developing performance models on these.

#### Performance Management Reporting and Visualisation

Developing performance information and visualisation Dashboards, desktop and on-line, to monitor and track energy, productivity, and asset utilisation - against base performance.

#### Validation of the Impact of Improvement Measures

Providing specialist measurement and analysis on projects aimed at energy efficiency and conservation.

#### Opportunity Identification and Scoping

Applying proven and innovative methods to identify opportunities for delivering tangible economic value.

#### Energy Target Setting

Energy targets and models for operational energy and cost budgeting using mining or manufacturing plans (medium and long-term).

#### Data Acquisition and Transformation

Developing extensive data acquisition and transformation services on production and energy data sources. Transformation services enable critical insight into the data and modelling of operational performance.

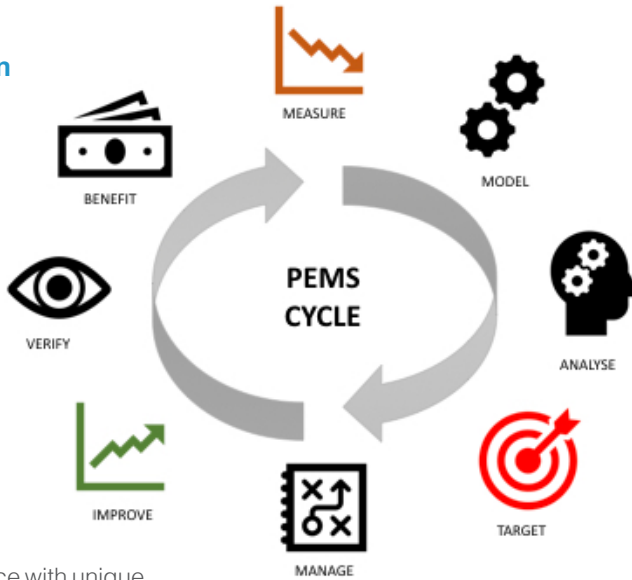
### What you get with PEMS

Performance measurement and reporting	Data Acquisition and Transformation	Improvement Opportunity Identification	Sustained Improvements and Benefits
Measurement and Verification of projects	Performance Models and Simulation tools	Energy Planning and what-if analysis	Integrated and managed activities
Early detection of performance change	Identification of energy and productivity factors	Special Investigations and Analysis	Knowledge transfer and training



**PEMS has delivered value consistently for 20 years**

**The Performance Analysis Value Chain**



**Professional Team**

We have deep experience with unique skills and capabilities to support performance improvement in a broad range of operational types and processes – using integrated teams of professional and certified staff in Engineering, Information Technology, Measurement & Verification, and Finance.

**Demonstrated Value**

PEMS services have for 20 years consistently delivered value to clients – with excellent benefits to cost ratios.

**Services Management**

We engage in once-off assignments through to long-term strategic engagements that integrate into our clients' operations.

We take a structured and phased approach to improvement implementation, introducing an effective Contract Management Process using measurable Service Level Agreements.

**About ECS**

**Our Vision**

Connecting Solutions to Sustainable Business Performance.

**Our Mission**

To be a centre of excellence in innovative productivity, energy and mobility management Solutions, driving improved performance and emissions reductions to support our customers' sustainability objectives.

**Our Solutions**

provide our customers with the ability to transform their operational processes. Our mission is to measurably improve operational excellence together with providing and deploying technology as an enabler. Our offers are to be greater than merely solving current technology needs of the customer or providing point focused solutions. Rather, we focus on empowering our customers to continuously enhance and optimise their business operations. This approach will differentiate us from purely technology-based solutions currently available in the market.



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