

Carbon Management Information Solution

Carbon emissions reporting made easy



The National Greenhouse and Energy Reporting (NGER) Act 2007 establishes a mandatory reporting system for corporate Greenhouse Gas (GHG) emission and energy production and consumption. Under the Act, corporations that emit GHG or produce or consume energy at or above the specified thresholds must register. The registration, data collection, reporting and monitoring requirements for the NGER scheme will underpin the Carbon Pollution Reduction Scheme (CPRS), which will create a market for carbon dioxide equivalent units (CO₂-e). Honeywell's Carbon Management Information Solution (CMIS) provides a platform for businesses to identify and capture relevant sources of emissions and energy data to meet regulatory compliance.

Challenges for Industry

Australian industrial and manufacturing businesses are facing challenges to develop managed programs to comply with regulations in energy and GHG emissions, while operating their facilities efficiently, safely, reliably and profitably. Businesses must also manage and reduce risk exposure in a carbon constrained market.

Although many businesses have processes and systems in place to capture energy data, this data may not be necessarily relevant to comply with the reporting requirements of the NGER Act. Obtaining accurate, verifiable and auditable data is essential for businesses to reduce the risk of non-compliance.

As one of the few industrial automation and process control companies in Australia to be certified against ISO 14001 Environment Management System, Honeywell is committed to the environment and helping businesses manage and reduce risk exposure in a carbon constrained market.

Carbon Management Information Solution

Honeywell's Carbon Management Information Solution (CMIS) pulls disparate data into a unified solution that increases the visibility and accuracy of energy and emissions data. The CMIS is modular in design, enabling corporations to take a phased approach to Carbon Management – initially measuring and reporting data for NGER, then quantifying risks and optimising

efficiency through a suite of linked Honeywell energy and carbon management applications.

By working closely with your business, Honeywell can:

- Determine facility boundaries for NGER
- Review technology infrastructure for data gathering and reporting
- Implement the CMIS in accordance to NGER technical guidelines to measure energy and carbon associated with Scope 1 and Scope 2 emissions.

Through Honeywell's CMIS, organisations have a single version of the truth for emissions related data – making reporting easier, improving carbon and emissions information visibility, accuracy and audibility. Having emissions data at their fingertips, enterprises are armed with information to continuously improve and optimise their facility.

Key Principles

Honeywell's CMIS is based on the following key principles:

- **Timely, relevant information** – Provides visualisation of real-time data that will allow monitoring and aggregation of carbon emissions. Managers and supervisors can also track and monitor resource performance using standard displays such as Plant Overview, Unit Views, Trend KPIs and Deviations.

- **Controlled and auditable systems** – Data and configuration changes to CMIS controlled via an integrated network and application security, plus data traceability and reference auditability. The CMIS has the data storage capacity to meet NGER auditing requirements.
- **Proven solution** – CMIS uses integrated modules from Honeywell's Manufacturing Execution Systems to provide an easy to administer solution that can be extended to deliver additional functionality. It can also link and integrate emission cost into supply chain and production planning processes.
- **Accessible information** – Data held in the CMIS is online and easily accessible via a common portal and standard user interface from different business locations.
- **Robust systems** – Honeywell's CMIS is built on a framework that is stable, reliable and very resilient to process and business change.

Honeywell's CMIS technology and consultancy services can assist businesses in this shift in infrastructure, organisational KPIs and culture.

By leveraging the existing infrastructure investment, Honeywell's Carbon Management Information Solution provides a smooth transition to energy and carbon reporting and enables companies to manage their energy and carbon risks.

Honeywell recognises that compliance with NGER requirements is the first step in a process which will require enterprises to think about and manage their operations differently. Boards and CEO's are now required to incorporate the impact of carbon costs into earnings guidance and strategic planning. Asset Managers and operators will need to consider improvements in energy consumption and GHG emissions.

For More Information

Learn more about Honeywell's solutions, visit our website www.honeywell.com.au/ps, or contact your Honeywell account manager.

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