

Improve Facility Operation through Integrated Technology Solutions

Discover our BMS Service

GROSVENOR]
engineering group

Integrated Control Solutions

Grosvenor Engineering Group's (GEG), BMS Team provides integrated technology solutions throughout Australia and New Zealand.

Combined with our delivery capability of HVAC, Fire and Electrical solutions, we specialise in integrated control and monitoring solutions via BMS & Analytics services.

Our teams across ANZ, design, install and maintain proprietary & non-proprietary systems that help you tune and control your facilities.

By partnering with leading global brands such as Honeywell, Johnson Controls EasyIO and SkySpark, we provide world class BMS and Analytics solutions that seamlessly integrate with traditional service frameworks and contracts.

With this service, we help our customers:

- modernise and remove proprietary controls
- improve systems monitoring and control
- facilitate building tuning & optimisation leading to improved energy outcomes and ratings
- reduce operational costs and improve tenant comfort

BMS & Analytics systems allow for integration of all operational technology, not only of your HVAC system, but of everything to do with the efficient control of your building. From fire & smoke detection, access control, lighting and blind control to video surveillance – everything can be integrated into the BMS & Analytics system.

Our expertise extends across many market sectors

From offices and retail environments, to data centres and hospitals, we work across 19,000 properties in many industry sectors. We tailor the technology solution to your facilities.



AIRPORTS



COMMERCIAL BUILDINGS



DATA CENTRES



EDUCATION



GOVERNMENT & MILITARY



HEALTHCARE



HOSPITALITY



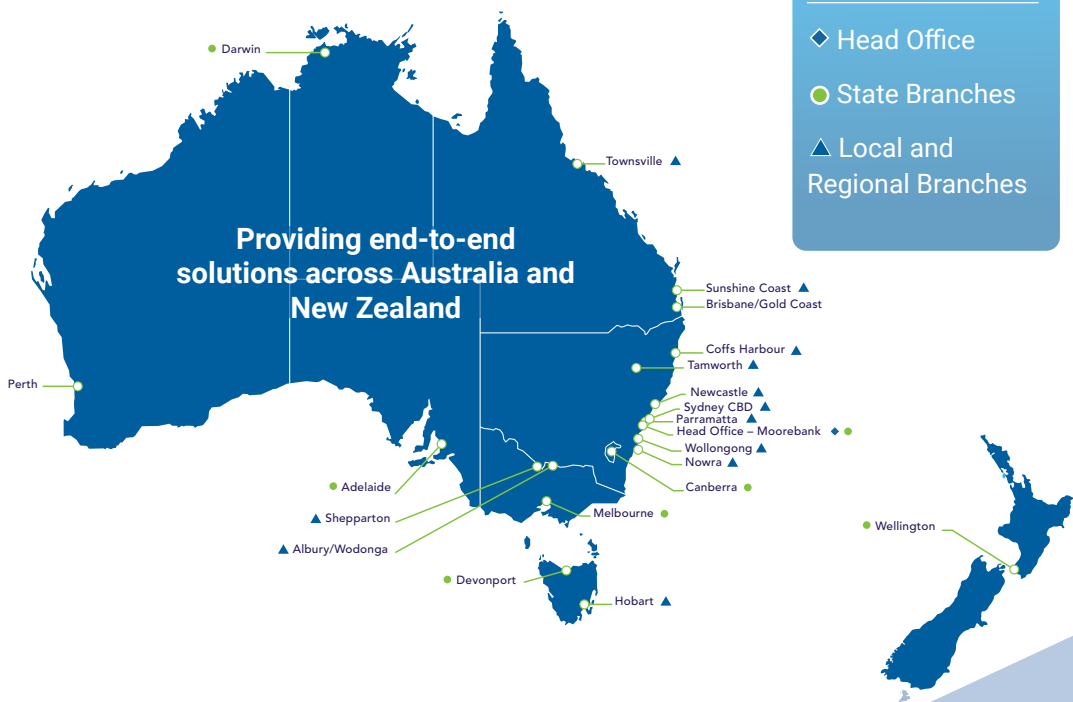
INDUSTRIAL & MANUFACTURING



RETAIL

Our ANZ Network

With a nationwide footprint of 21 branches, our clients are supported by a workforce of over 800 employees which includes specialist engineers, technicians, project managers, estimators, site personnel, and service specialists.



Benefits of an Integrated BMS

The benefits of installing an efficient and reliable BMS with a good track record are limitless, and include operating cost reductions, safety, staff productivity, security and the safety and better performance of your long-term investment.



Optimised maintenance

- Performance based maintenance targeting areas for improvement and efficiencies
- Condition monitoring using IoT Sensors i.e. Vibration Analysis of motors



Building security & lighting

- Integration of surveillance & lighting into the BMS



Optimised plant and equipment life

- Early detection of faulty or failing operational equipment
- Automatic tracking of performance degradation



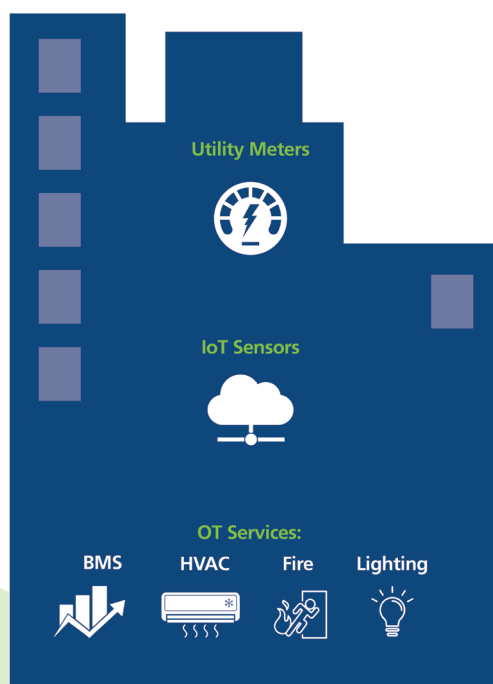
Comfort of occupants

- Improved indoor air quality
- Improved thermal comfort



Optimised energy

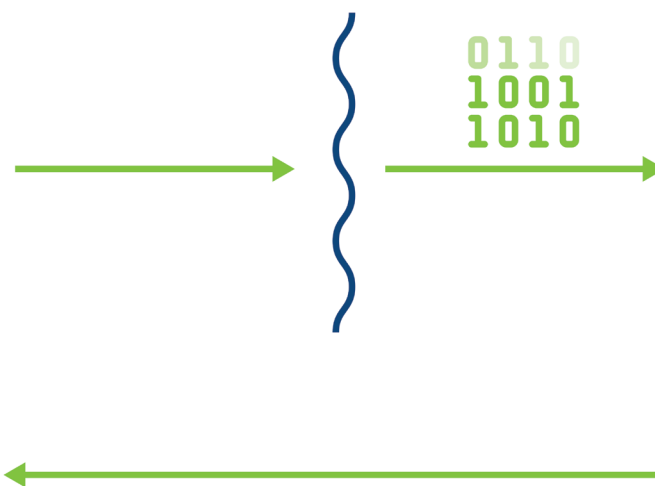
- Accurate control of a wider range of comfort conditions, including seasonal temperature adjustments
- Integration of blind and shutter control to manage sunlight transmission
- Integration of sub-metering and analysis of the energy signature of a building
- Performance management and reporting capabilities



Cybersecurity Layer



0110
1001
1010



GEG's Technology Ecosystem

Integrated Operational Technology

The most impactful source of facility information comes from your Operational Technology (OT) such as lifts, lighting, air-conditioning, metering, security etc. GEG offers end-to-end integration of these systems via Analytics and can package up all that data into a proven cyber security package that represents our total technology ecosystem.

Transform your data into real outcomes

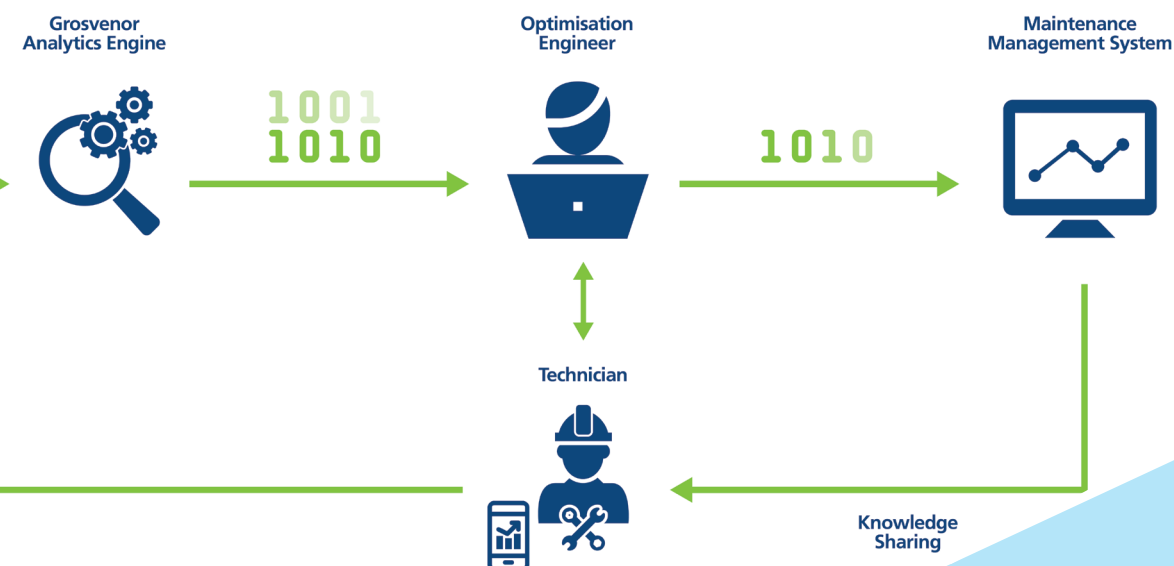
Integrating disparate data sets into a central monitoring and control system is fundamental in realising the value of your facility data. Integrated data means information that you can turn into actions, actions that protect and improve the operating conditions of your asset.

Data Driven Maintenance

The natural progression of smart systems is getting ahead of the curve and solving problems before they become problems. As the building tells you when equipment needs attention, you can pivot to Data Driven Maintenance opening the path to predictive maintenance – the optimal facility management scenario.

Secure OT networks

GEG integrates cutting edge military grade cybersecurity technology to address cyber risk often prevalent in smart data driven buildings. The Tempered Airwall acts as border control for all incoming and outgoing building OT data flows on a 'zero-trust' approach, which actively reduces a building's attack surface area.



Our Solution Partners

Honeywell

Honeywell WEBs-N4

Grosvenor Engineering Group is a trained and certified 'Honeywell Open Integrated Solutions Provider' (OISP).

With a National Partner Agreement, we utilise the Honeywell WEBs-N4 range of products to provide an end-to-end solution for our customers across Australia.

With both Honeywell WEBs-N4 and WEBs-AX, Honeywell has the Niagara Framework-based building management solution (BMS) that takes all aspects of your building and occupant needs into consideration to maximise energy efficiency and make management of your facility simpler and more user-friendly.

It is less reliant on browser plug-ins, faster and easier to use. Now end-users can directly access, analyse and act on a wide range of operational data. A truly open framework, WEBs-N4 software delivers a variety of notable improvements to help businesses take full advantage of the Internet of Things, including advanced visualisation and new search, security and navigation tools.

Add the power of CIPer, Spyder® or Stryker controllers, and you'll have the versatility to choose from a collection of best-in-class control products ready to evolve and meet all of your HVAC, lighting and security needs. Honeywell's scalable solutions are designed to meet current and future demand.



WEB-8000 Controller (JACE)



CIPer-50 Controller



CIPer-10 Controller



Spyder 5 Controllers



Johnson Controls / Easy IO

Grosvenor Engineering Group is also part of the Easy IO Community and Partner Program further ensuring we can tailor a solution to meet our customers' 'Open Solution' requirements.

EasyIO provides an easy, cost saving, energy saving, environmentally friendly and revolutionary Building Energy Management System (BEMS). EasyIO produce innovative products for BEMS', which are used in huge infrastructure projects and are perfect for all types of buildings and properties, from small to very large.

Their range of controllers significantly lower the software costs of BEMS', because they can combine multiple protocols like MQTT, Sox, BACnet, Modbus, EnOcean and Web API.

The many energy saving possibilities of these products, the easy way of installing them into a new or existing BEMS and maintaining them, the use of less devices and less software in a BEMS and the wireless possibilities, also lower the costs for system integrators as well as building owners. All this means a major paradigm shift in energy controls.

With EasyIO you are making the decision to use the industry leading BEMS solution in terms of power, flexibility, opportunity to integrate and cost per performance. Make sure you invest in the best technology that gives you optimal return on your investment, with an ability to support the growing demands of the building stock.



EI-J-8000 Controller (JACE)



FS 20 Server Class Controller



FW28 WiFi IP Controller



FD Expander Module



FT WiFi Controller

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