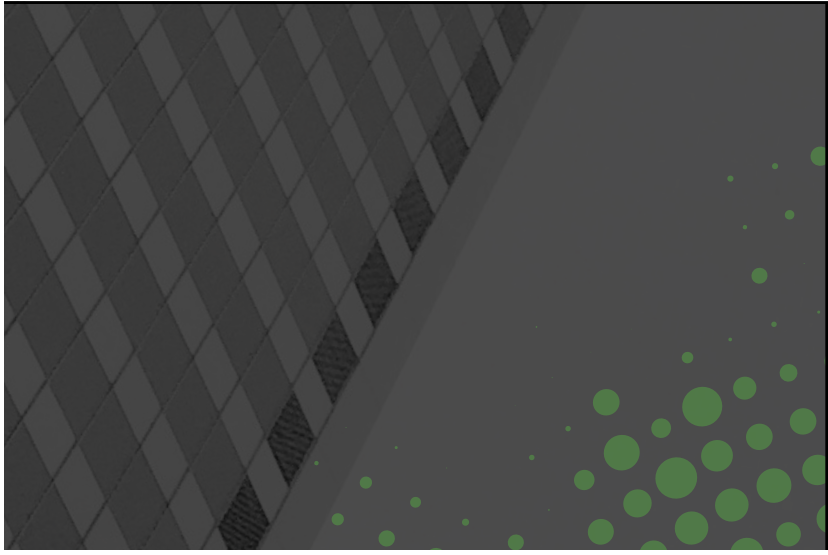
oberix

CAPABILITY STATEMENT

Connecting people, place, purpose & data



About Us

The Oberix Group are world leaders in technology-informed user, sustainability and efficiency services

At Oberix, we provide the people, tools and expertise to help your business grow. Our personalised solutions help you harness the power of the ever-evolving world of technology to make your buildings and facilities work for you and those within it.

Our Customers Benefit from:

Professional Team

Deal with a highly trained team with decades of experience and knowledge.

Reliability

Better project reliability with innovative and high quality products & solutions.

Value

Competitive pricing and lower ongoing cost of ownership.

Result-driven

Approachable team for proven results.

Flexibility

Our open systems provide flexibility of integrating to third party systems.

Ongoing support

Preventative maintenance plans and 24/7 ongoing service support.

We achieve our mission by:

- Understanding our customer's needs and meeting their expectations
- Building strong customer relationships
- Providing our clients with the most advanced software, technologies and solutions to manage building performance and energy efficiency
- Professionally managing and delivering systems that work on time, every time
- Providing excellent support and service catering for each and every customer's individual needs
- Generating strong & direct working relationships with our clients across all industries including commercial, healthcare, retail, higher education and industrial facilities.

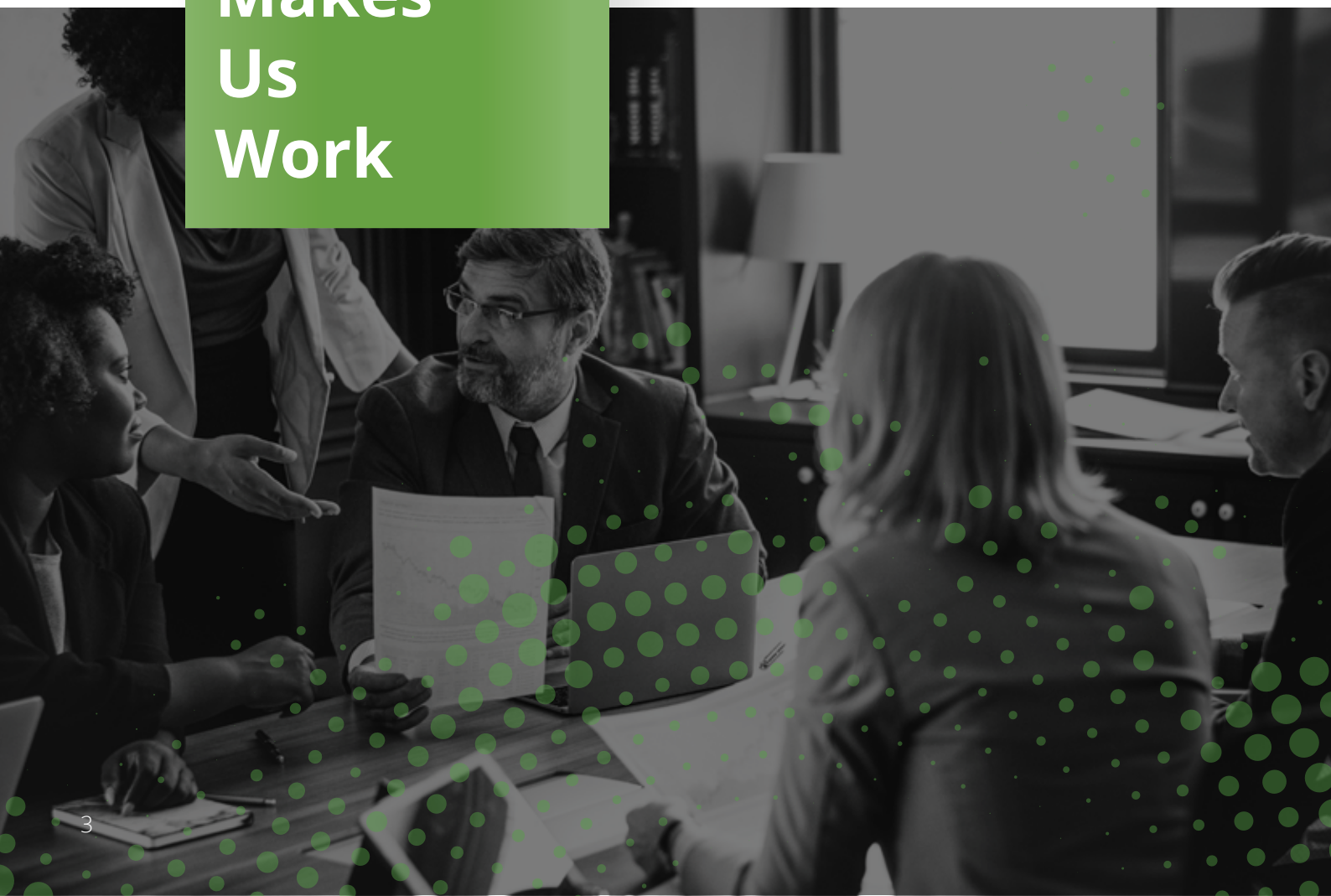
Our Mission

To be leaders in the development of IoT innovation, automation and integration solutions that contribute towards the smart property, infrastructure precincts and cities of tomorrow.

Our Values

We value continuous improvement and collaborative communication and act with integrity, honesty & accountability to build strong relationships with our colleagues, clients and partners.

What Makes Us Work



About Us

Our History
Established in 1992, the Oberix Group Pty Ltd is a wholly owned Australian company that has grown to become one of the largest independent Smart Building Technology Providers in Australia. Growth has continued internationally with offices throughout United Kingdom, Malaysia, Singapore and the United States. Our strength of local expertise, coupled with strong national support allow us to offer our clients a personalised approach required for both complex and simple projects.

The first company in the world to provide and install complete native BACnet systems since 1996, we have been twice listed in Australia's Business Review Weekly's Top 100 Fastest Growing Companies since 2000, having now successfully installed over 3,700 Smart Building Solutions.

The Oberix Group Difference
Our competitive advantage lies at the heart of our business model - the ability to recruit, deploy and retain a large scale, directly employed workforce of professional staff across a range of diverse industries. Our dedicated team have the ability to take projects of any magnitude from inception right through to completion of a project.

The company sustains a unique and thriving culture through a devotion to innovation and continuous learning, and the desire to realise client needs and exceed expecataions.

Oberix Business Divisions
Oberix is comprised of a number of key business divisions, each offering clients a specialist service to meet their particular needs. Each division can draw upon other business unit specialisations to offer complete smart building solutions. These solutions cover every stage of the total life-cycle of facility management from building design through to construction, maintenance and upgrades... Oberix can cover it all.

We can provide the people, solutions and expertise that allow you to make your buildings work, your people productive and your business grow. **Let's take a look at them.**

Oberix Business Divisions

Each of our specialised business units focus on increased efficiency, high performance and optimised sustainability levels.

ALERTON AUSTRALIA (Australian Division)
LEADING EDGE AUTOMATION (Global Division)

Leaders in building automation, offering a comprehensive range of building control and integration systems, energy services, monitoring tools and solutions to put you in complete control of your buildings.

CONSERVIA

Your energy solutions specialists helping you achieve net zero carbon emission buildings and sustainability, taking all the risk to deliver guaranteed energy and cost savings.

OPERATIONAL INTELLIGENCE

Specialist space consultants that thoroughly analyse your business processes, recommending any areas of improvement to increase your workplace productivity and operational efficiency.

ABAKUS ANALYTICS

The people counting specialists providing a powerful people counting platform that improves space utilisation and operating efficiency through reliable accurate measuring of people traffic.

ALERTON AUSTRALIA LEADING EDGE AUTOMATION

Leading the way in building automation since 1992

The care and improvement of your building or facility is important to your staff, customers and tenants. As leading building automation service providers, we specialise in optimising building efficiency through the professional design and delivery of building management systems (BMS) & energy management systems (EMS).

We create intelligent automated buildings that are more cost effective, operationally efficient and manageable for you, while providing a more productive and safer environment for your occupants.

Alerton Australia is our Australian Business Division.
Leading Edge Automation is our Global Business Division.

Building Control & Management

We provide a broad range of planning, design, installation, and ongoing management and support services, with comprehensive 24/7 service support. Our regional network of fully trained personnel specialise in all aspects of project design and delivery and are focused to meet all your necessary specifications.

Our range of building automation solutions include distributed control systems with powerful web-based reporting and operator interfaces, electronic security systems, smart lighting controls and very large scale integration platforms to reduce the complexity of operating large or multiple facilities.

We also supply a comprehensive range of solutions for building automation control, integration, building and energy management systems, meter management, access control, lighting and security solutions. Through leveraging standard IT infrastructure and providing improved automation, responsiveness and productivity, all of our solutions are designed with our customers ease of use and optimisation in mind.

We can take care of the full project lifecycle and create value through long-term relationships that help drive our customers business success.
When it comes to servicing and maintaining your buildings, you can leave all the hard work to us.

ALERTON AUSTRALIA

LEADING EDGE AUTOMATION

Ongoing Support & Service

We understand the need for service excellence and promoting best-fit maintenance plans that sufficiently takes care of your buildings needs. The team can assist with all aspects of your project design and assist in managing your entire facility.

Through offering customisable service plans, considering the building dependency on the BMS and budget of the stakeholders. On-site service can be provided during & after business hours as well as parts repairs & replacements, system modifications & expansions and lifecycle planning. Our service customers are always favoured with preferential rates and managing risk to reduce customer exposure.

Whatever industry you are in, our team can determine and customise a building automation and integration solution that perfectly fits the size, scale and requirements of your project.

CONSERVIA

Towards Net Zero

Conservia can cater to all your energy needs to optimise the operation of your building, process or plant. As a result of our exceptional capabilities in project management and client representation, the experts are able to balance the triangle of cost, quality and program to give you the best value for money, specialising in energy reduction projects.

Conservia are so committed to each project and confident in their energy solutions and energy saving results that all project risk is assumed by Conservia. The team deliver guaranteed energy and cost savings straight back to you.

Professional Energy Services

Conservia has developed an enviable reputation for the successful delivery of energy reduction projects. An approved Energy Services Company (ESCO) in the states of New South Wales and Victoria, Conservia offer a full suite of services including, auditing, energy performance contracting (EPC), performance guarantees, building performance maintenance, detailed feasibility studies, energy advisory and auditing services, metering solutions, commissioning, retro-commissioning and Measurement & Verification (M&V) services.

The in-house energy solutions team have the ability to take projects of any magnitude from inception right through to completion. As members of the Energy Efficiency Council, all applicable contract requirements and M&V protocols associated with energy performance contracting are followed.

Conservia are energy saving strategy experts with the mission of delivering the best outcome that guarantees complete, on time and on budget project delivery each and every time.

CONSERVIA

Energy Audits

How efficient is your energy performance?

Our team of in-house energy efficiency experts are specialists in undertaking energy audits. These energy audits provide information needed to establish or improve your energy management program and provide a baseline against which to compare the results of any management initiatives. Financial benefits can realise from low, medium or high cost investment measures.

Financial Benefits

- Reduced expenditure on energy. eg. by reducing consumption or changing tariff or fuel type
- Reduced maintenance costs. eg. following improved utilisation of plant and optimisation in operation
- Savings in other costs. eg. water charges, where demand is reduced
- Reduced capital expenditure. eg. where increased efficiency avoids the need for additional plant or supply capacity or makes possible accurate sizing of any replacement plant.
- More productive use of labour where measure release staff for other duties. eg. automated control systems
- Increased productivity where working conditions are improved. eg. improved temperature levels, airflow etc.

Environmental Benefits

- Reduction of CO2 and other harmful emissions both from the site itself and upstream of energy suppliers
- Reduction of environmental impacts related to transmission, delivery or transport of energy
- Reduction of regional and national energy demand
- Conservation of natural resources particularly fossil fuels and other non-renewable fuels
- More productive use of labour where measure release staff for other duties. eg. automated control systems
- Promotion of the organisation as environmentally responsible.

Benefits Continued...

Can you afford not to save?

The information made available to management on energy costs is invaluable in asset planning and decision making as well as improved working practices and conditions.

Operational Benefits

The information may be used to decide on immediate action or for longer-term planning:

Benchmarking against similar types of building,which can be useful in establishing priorities for action.

Recommendations for future opportunities, perhaps requiring major investment or additional study. It may be possible to set a program for the introduction of new technology or to adopt the bet current practices for controlling energy use.

Suggested operational changes that might result in improved plant reliability or availability. Benefits could arise from reduced maintenance or increased productivity.

Estimates of projected energy consumption needs when setting budgets for energy purchase,or estimating the cost of providing a specific service.

Long-term options involving major refurbishment or influencing future policy on design and operation. A strategy may be developed with the flexibility to cope with changes in the building use or choice of energy type.

A plan for developing a more effective approach to energy management, including building staff ownership and identifying budget requirements.

Empowering you to implement measures that improves the quality of the working environment.

Improve comfort by draught-proofing, insulating the building fabric, resetting controls, providing additional controls or installing alternative systems. Changes in the temperature humidity or lighting levels may be desirable. Productivity can be increased because the occupants are more satisfied with the working environment.

Closer control of space conditions can be essential to the effective operation of buildings or equipment and could result in higher standards of quality and safety.

OPERATIONAL INTELLIGENCE

Delivering smart cities, buildings & workplaces

Having the right smart workplace management system can help you transform the way you work, increasing workplace efficiency and productivity and ultimately profits. We can help analyse your operations and identify streamlining opportunities for your business.

Through understanding your everyday needs we determine the best solution to create an intelligent environment that is easily manageable and actually works for you and your users. By optimising building spaces and business processes we aim to enhance the workplace experience.

Smart Buildings & Workplaces

Operational Intelligence are specialist smart space solution providers to help you realise the full potential of your buildings and workplace. We deliver innovative, cost effective and complete building integration services for clients across multiple industry sectors. The solutions result in an integrated view of buildings portfolio data allowing a single point of access control, with increased visibility, control and automation within each of the functional areas of workplace management.

We put the processes in place for your workplace to be smarter and more responsive by eliminating barriers. Our strength lies in our ability to interconnect people, processes and systems across the workplace to provide a foundation for collaboration, communication and business process management.

Through careful consideration of the complete lifeycle of the built environment and mapping out each user journey, the solutions we provide will achieve your goals as well as increase operational efficiency and user productivity so you can reduce the time spent and money wasted caused by workplace inefficiencies. Our operational capability also enables the monitoring of workplace systems and processes in real time enabling a more effective utilisation and greater financial return on your assets.

ABAKUS ANALYTICS

Providing insights through precision people counting

Without an accurate people counting solution, businesses are blind to the true performance of their buildings, stores, employees and marketing. Abakus Analytics provides an alternative business performance measurement through sophisticated people counting software. The software improves operating efficiency through reliable accurate measuring of visitor traffic.

An easy to use web portal, the solution allows you to analyse business performance through measuring a store's ability to drive people in and convert them into customers. From measuring and improving sales conversion for retailers to understanding and improving space utilisation in an office tower, the solution ensures you can drive real value from your data.

Using the latest technologies, the solution uses the most sophisticated IoT people counting sensors that perform under a vast number of conditions. The traffic data collected is combined with POS, roster and other data types to provide contextual analysis from which actionable insights can be derived.

This software can be applied to many markets, including retail, educational, public facilities and commercial property.

Software Features

- Sensor agnostic
- Best sensor accuracy and reliability
- Infrastructure as a Service (Iaas)
- Infrastructure monitoring
- Data lake integration via message broker
- Cloud hosted solution
- Unlimited users and locations
- Flexible user access control
- Restful API
- Custom reports and charts
- Data annotations
- Export to CSV, PDF and mor
- Auto email reports
- Metadata reporting
- Time range comparisons

ABAKUS ANALYTICS

Measurable Improvements

- Increase sales & sale conversion
- Improve productivity
- Improve space utilisation
- Decrease customer wait time
- Better space planning
- Reduce energy consumption
- Improve strategic planning

Occupational Health & Safety

The group is fully committed to the health and safety of all our employees, contractors, sub-contractors, clients and the public. We are equally committed to the sustainability of the environment through a reduction in our carbon footprint.

The Health & Safety Management System is accredited to AS/NZS 4801:2001 and is regularly monitored and updated as required. This responsibility extends to all aspects of our project and site management, including subcontractors and suppliers that visit and work on our construction sites.

Insurance Details

Professional Indemnity: $20,000,000

Public Liability: $20,000,000

Workers' compensation: The Oberix Group is registered to cover its liabilities under the Workplace Injury, Rehabilitation & Compensation Act 2013 (and amendments)

Your safety is our priority

Quality Management

All our business divisions employs a Quality Management System (QMS) that integrates our various internal processes and provides a systematic approachfor project execution. QMS enables us to identify, measure, control and improve the core business processes that will ultimately lead to improved business performance.

The Oberix Group's aim is to always deliver a project that meets customer and regulatory requirements. Our quality management ensures we are constantly improving on our business processes and systems, ensuring we maintain our high level of customer satisfaction and service. We are committed to providing quality products and service to all our customers.

Our Standards

Quality System Certificate Registration Number 4351, AS/NZS ISO 9001:2008

Environmental System Certificate Registration Number 4351, AS/NZS ISO 14001:2004

Occupational Health and Safety System Certificate of Registration Number 4351, AS/NZS 4801:2001

A focus on continuous improvment

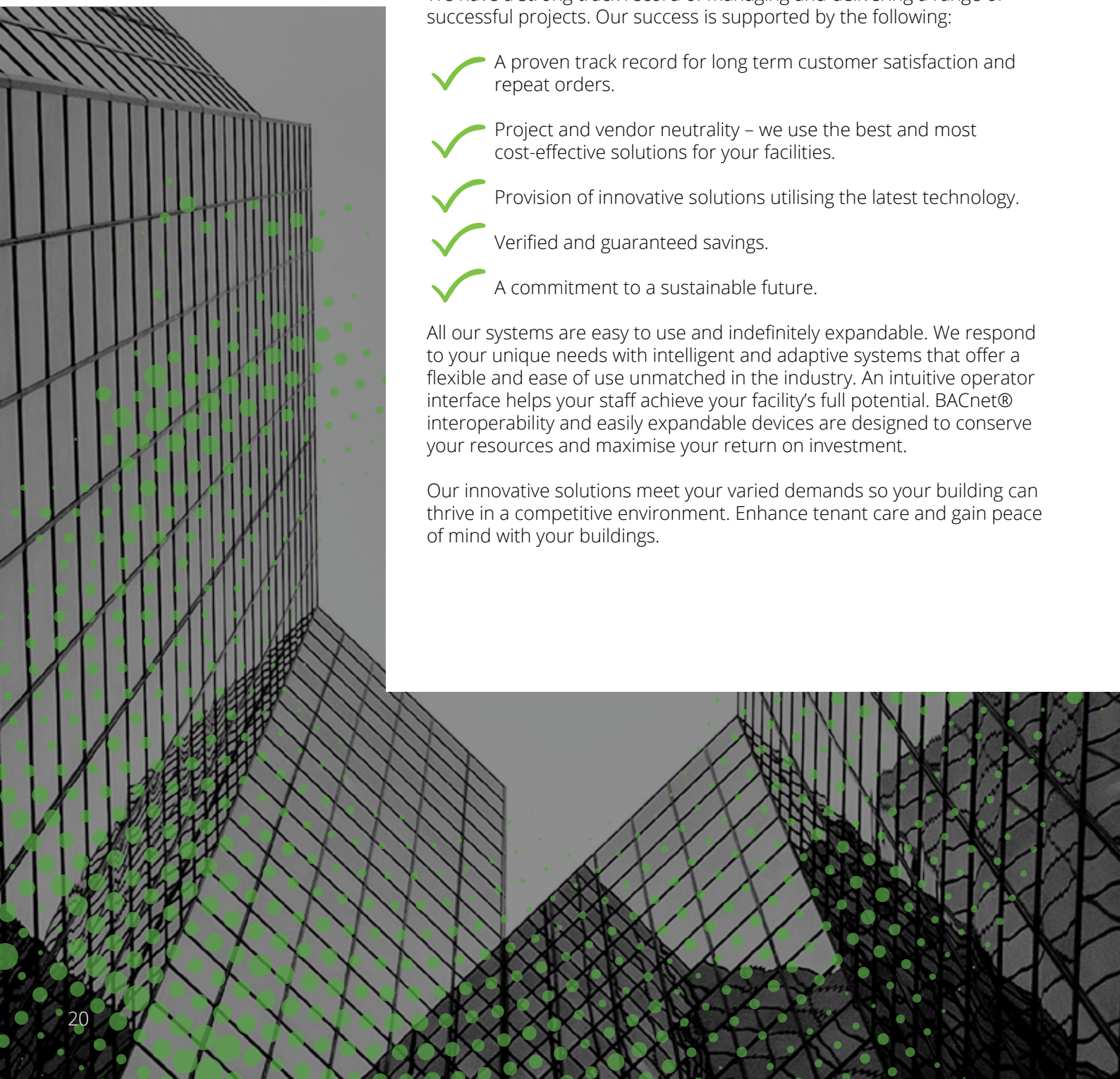
Build Capability

We have a strong track record of managing and delivering a range of successful projects. Our success is supported by the following:

- A proven track record for long term customer satisfaction and repeat orders.
- Project and vendor neutrality – we use the best and most cost-effective solutions for your facilities.
- Provision of innovative solutions utilising the latest technology.
- Verified and guaranteed savings.
- A commitment to a sustainable future.

All our systems are easy to use and indefinitely expandable. We respond to your unique needs with intelligent and adaptive systems that offer a flexible and ease of use unmatched in the industry. An intuitive operator interface helps your staff achieve your facility's full potential. BACnet® interoperability and easily expandable devices are designed to conserve your resources and maximise your return on investment.

Our innovative solutions meet your varied demands so your building can thrive in a competitive environment. Enhance tenant care and gain peace of mind with your buildings.



The Team

We provide comprehensive support with a team of 280+ highly skilled engineering personnel. The full range of product and technical training is available at our Melbourne head office, as well as on site as part of our project offering. Our staff and those of our partner organisations are fully trained to ensure we offer the most effective support, 24 hours a day. Project engineering is carried out by our experienced automation engineers based in the state capital of the project location.

Our project managers, engineers and technicians are conversant with working in operational and occupied buildings and our success stems from the broad experience and skill base our team has got working in various sectors including commercial office, retail, school, tertiary, health, industrial and sporting facilities.

As a group we are able to demonstrate our capability in building management, design, project management, client and stakeholder management, energy auditing, planning, seamless programming, project implementation, commissioning, witness testing, retro-commissioning and measurement and verification (M&V).

The partnerships we create very early in the project engender confidence and trust and keep the team highly motivated while they strive to cross the boundaries of performance.

Should factory support be required the response to queries is normally same day or overnight. Our engineers have direct contact with product development teams and technical support engineers via telephone and email. In addition our internal network allows us to contact the whole distribution network worldwide for advice or support.

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Case Studies

With over 250 skilled employees located globally and over 3,700 sites successfully deployed and maintained to date, Oberix has led the way in service delivery across a range of public, government and private sector industries. These vary in size from small commercial and industrial facilities to large university campuses, shopping centres, multi-level commercial & retail buildings and data centres.

Here are just a few examples...

Australia

COMMERCIAL

Sydney Central
477 Pitt Street, Sydney, NSW

Sydney Central is an A-Grade multi-purpose commercial development incorporating 32-storey and 10-storey office buildings with two lower levels of retail facilities together with three low rise heritage buildings. These buildings have a combined Net Lease Area (NLA) of 48,073m. A major upgrade of the BMS and security systems including access control and CCTV systems was successfully implemented.

The project included:
- 3700 DDC points
- Chilled water, condenser and HHW plant
- 600 VAV controllers
- 45 air handling units
- Exhaust Systems
- Other applications managed include lighting controls, gas, electricity and water consumption metering

Bay Centre
65 Pirra Road, Pyrmont, NSW

A modern five level 'A Grade' office building of 15,993m2 & 123 car spaces located adjacent to Darling Harbour.

This building has achieved a 6 star NABERS rating for energy efficiency, with our BMS controlling the main plant chillers, boilers, air handling plant and 260 VAV's.

Casselden Place
2 Lonsdale street, Melbourne, VIC

This A-grade 42-storey office building is leased to government service and industry superannuation groups. Project management was the key to scheduling the works in a fully occupied building, while not impacting on the tenants comfort conditions. The site was upgraded from a Siemens/Landis “System 600” to an Alerton BACtalk® control system. The system uses a Dual Ethernet network together with CISCO system switches to provide one of the most state of the art installations in the southern hemisphere. Tenants can activate air conditioning and lighting whilst capturing and billing all related costs.

Freshwater
28 Freshwater Place, Melbourne, VIC

Designed to achieve a 4 Star Green Star Rating under the GBCA Scheme. Energy efficient T5 light fittings with dimming sensors and CBUS technology recycled content in steel and concrete used in construction reduced greenhouse emissions.

The project included:
- Chilled water plant
- Boiler water plant
- Condenser water plant
- Exhaust systems
- VAV boxes,
- AHU’s, FCU’s & WCU’s
- Lighting control
- Electrical, gas & water consumption monitoring
- Optergy Enterprise

Kings Square 2
Perth, WA

Kings Square Stage 2 (KS2) is the first development in the new Perth City Link Precinct. Located north of the CBD, the precinct will become a major mixed-use destination. The building provides 18,400m2 of oce space and 850m2 of commercial retail space.

We provide the building and energy management systems for the base building and tenant fitout.

Currently contracted to a Platinum Maintenance Agreement, we deliver guaranteed results for the tenants, through continued building performance and improvement throughtout the daily operation of the building.

Quay Quarter Tower
NSW, Sydney

Sydney's Quay Quarter Tower has been awarded the world's best high-rise by the International High-Rise Award, and heralded as 'one of the most important buildings of the 21st Century.'

We are proud to be the Building Management System (BMS) and Energy Management System (EMS) providers for this tower.

This projects included the reconfiguration of active chilled beams, PAC units programming, as well as VRF AC units. A standalone Computer Room Environment Monitoring System (CREMS) was implemented.

RETAIL

Melbourne Central
Lonsdale street, Melbourne, VIC

There are over 300 stores to explore in a modern architectural space, reflecting the diversity and evolution. Formerly a proprietary Siemens BAS, Melbourne Central was retrofitted to an Alerton BACtalk® system. The whole refurbishment and expansion was carried out whilst maintaining an active trading environment.

The project included:
- Chilled water plant
- Boiler water plant
- Condenser water plant
- Exhaust systems
- VAV boxes, AHU's, FCU's, & WCU's
- Electrical, gas & water consumption monitoring

Eastland
Ringwood, Melbourne, VIC

Multi-million dollar expansion of the Ringwood Shopping Centre and construction of the new Realm Library installed with the Alerton BACtalk® system. The Eastland Shopping Centre contains over a hundred different stores, including a movie theatre along with a variety of different restaurants located in the Town Square.

The project included:
- Automated lighting control system for shopping mall areas, town square and car parks
- Complete heating hot water, chilled water and condenser water plants
- AHUs and exhaust systems serving shops over two levels
- Electrical, gas & water consumption monitoring
- Vertical transport monitoring

Westfields
NSW, Sydney

Alerton's partnership with Westfield in NSW and VIC has yielded significant BMS projects. Notably, at Westfield Warringah Mall, we provided a cutting-edge control system for base buildings and tenant fit-outs, transitioning the site to Tridium technology. Similarly, Westfield Parramatta underwent an Energy Performance Contract upgrade.

Westfield Penrith saw the replacement and expansion of their existing BMS, while projects at Westfield North Lakes and Southland demonstrate our commitment to advanced BMS solutions within the Westfield portfolio.

SECURITY

Peninsula Aquatic Recreation Centre
Frankston, VIC

This project involved the installation of a Genetec-based Access Control and CCTV Omnicast system, with a total of 76 IP cameras and 66 access controlled doors.

The system also included Jacques Intercoms and integration with a 3rd-party security panel.

41 Murrumbeena Road
Murrumbeena, VIC

We were invited to design and install a replacement for the aging analog CCTV system for the body corporate of an apartment building.

This involved installing new IP Cameras and a networked video recorder with better coverage and resolution as well as reliability.

ATO
Boxhill, Melbourne, VIC

ATO Box Hill, is a 19,000sqm, A-grade office tower with 690sqm of retail space and 300 car parking spaces for tenants and public use.

Developed to achieve 5 Star Green Star rating and 5 Star NABERS ratings, which will be a first for Box Hill and aims to usher in a new era of sustainable development for the City of Whitehorse.

We installed an Integriti-based Access Control and IP CCTV system in this newly constructed building.

Peninsula Health, Frankston Hospital
Frankston, VIC

We installed an Integriti-based access control system in the new Emergency Department building and have been involved in fitouts for the DSA Theatre Suite.

The system also included Jacques intercoms for the general area and special clean room intercom units.

UNIVERSITIES

Monash University
381 Royal Parade, Parkville VIC

Incorporating the Centre for Medicine Use and Safety and the Monash Institute of Pharmaceutical Sciences engages in research and is a leading provider of education at both the undergraduate and postgraduate levels.

The project included:

- Chilled water plant
- Boiler water plant
- Condenser water plant
- Chilled beams
- Fume cupboards
- Fume cupboards
- Exhaust systems room pressurisation
- Exhaust systems
- VAV boxes
- AHU's and FCU's, lighting control
- Electrical, gas & water consumption monitoring
- Maximum demand management with energy management strategies
- Optergy Enterprise

Swinburne University
Hawthorn, VIC

Frustrated with the problems of proprietary lock in and vendor initiated obsolescence, Swinburne have taken full advantage of open BACnet® systems to have a positive impact on BMS from a user's point of view. Swinburne has continued to install BACnet® systems across its campuses and because of competitive pricing and high levels of service over many years have chosen to partner exclusively with us to expand their BACnet® systems through multiple buildings networked across three campuses using the university WAN.

We also provide a unified system that broadcasts announcements directly to all campuses from a single interface we also expanded the existing integrated BMS/VOIP system to provide public announcements using an electrical wiring interconnect system (EWIS), Occupant Warning System (OWS) and Tone Generator (TGEN) networks and an Optergy Enterprise BMS.

Holmesglen Institute of TAFE
Chadstone, VIC

This project involved installing an Alerton BACtalk® system to operate across three of the tafe campuses.

The project included:

- Chilled water plant
- Boiler water plant
- Condenser water plant
- Exhaust systems
- VAV boxes
- AHU's and FCU's
- Lighting control
- Electrical, gas & water consumption monitoring
- Maximum demand management with energy management strategies
- Optergy Enterprise

University of UNSW
Kensington, NSW

Alerton's BACtalk® building automation equipment has been installed in over 50 buildings around the UNSW Kensington Campus. The system runs on the University WAN and provides control and monitoring of air-conditioning, mechanical services, external lighting, gas, electricity & water consumption. The installed BACnet® system is fully integrated into the university's campus wide BACtalk® system.

The two largest individual projects are the library building retrofit and campus wide energy metering and lighting control contract. These projects consist of Alerton's BACtalk® control system interfacing with Liebert computer room units, Mc Quay centrifugal chillers, BACnet®- Modbus PQM and Integra power metres.

GOVERNMENT

Headquarters Joint Operations Command
Canberra, ACT

The Headquarters Joint Operations Command Centre is to be the new operational head-quarters for the Australian Defence Forces.

The centre is a high technology facility where Australia's operational activities ranging from warfare operations, United Nations support, regional activities,disaster relief and other support activities will be planned and conducted. This multi-stage project involves engineering, supply, installation, testing and commissioning a BACnet® BMS and EMS.

The provision of the Optergy Enterprise EMS is in line with the Command Centre's strategy to achieve a 5 Star ABGR and Green Star rating for the facility.

Sydney Football Stadium
Sydney, NSW

Alerton Australia delivered the new BMS and EMS for this state-of-the-art, 42,500-seat stadium, utilising Alerton BACnet controllers in the field and the Optergy Enterprise head end server.

All electrical, water, gas and thermal meters will be connected back using Optergy Proton as the smart gateways which will collect data and provide additional redundancy to the Energy Management System.

Oakey Army Base
Toowoomba, QLD

Oakey Army Base is home to the largest aviation base in Australia, World War 2 airbase and storage depot for war aircraft.The redevelopment of the Oakey Army Base was to support the Army Rotary Wing flying training, including the armed reconnaissance helicopter & Emergency Response Station.

The project involved the supply, installation, testing and commissioning of an Alerton BACtalk® BMS to provide a base wide control and monitoring system.

The project included:
- Chilled water plant
- Boiler water plant
- Condenser water plant
- Exhaust systems

HEALTHCARE

La Trobe University Medical Centre
Melbourne, VIC

La Trobe Private Hospital is a 53 bed modern facility that provides specialist care for patients with medical and surgical needs including day surgery. Offering a wide range of medical services from general health care (general practice, occupational medicine, sports medicine, physiotherapy and podiatry) to various specialist and hospital services, x-rays and pathology, with pharmacy on site as a one stop shop. The hospital provides healthcare services to students and the general public.

Greater Southern Area Health Service
Southern, NSW

We met the challenge of supporting the facilities in this significant geographical area by installing a major BMS to provide extensive control & and monitoring of the services.

The systems in each location are linked via the health authorities secure internal network utilising our WEB Based Automation and EMS, the operation staff have full access and control monitoring at any location via any web browser on any pc on the GSAHs network.

St John of God Hospital
Berwick, VIC

The St John of God Hospital Berwick has been serving the local community since 1939. Services include maternity, medical, surgical, renal dialysis, hyperbaric medicine and consulting rooms. This first phase of works, included; a 30-bed ward in-patient unit; two new operating theatres; refurbishment of the day-procedure unit including an endoscopy/day theatre; a new 10-bay recovery area; refurbishment of the administration, entry, admissions and waiting areas; a new ambulance bay and drop-off area; a chapel; internal landscaped court for outdoor recuperation; and a 60-space carpark.

To maximise the hospitals efficiency and operations we installed a new BMS & EMS to replace the existing redundant system.

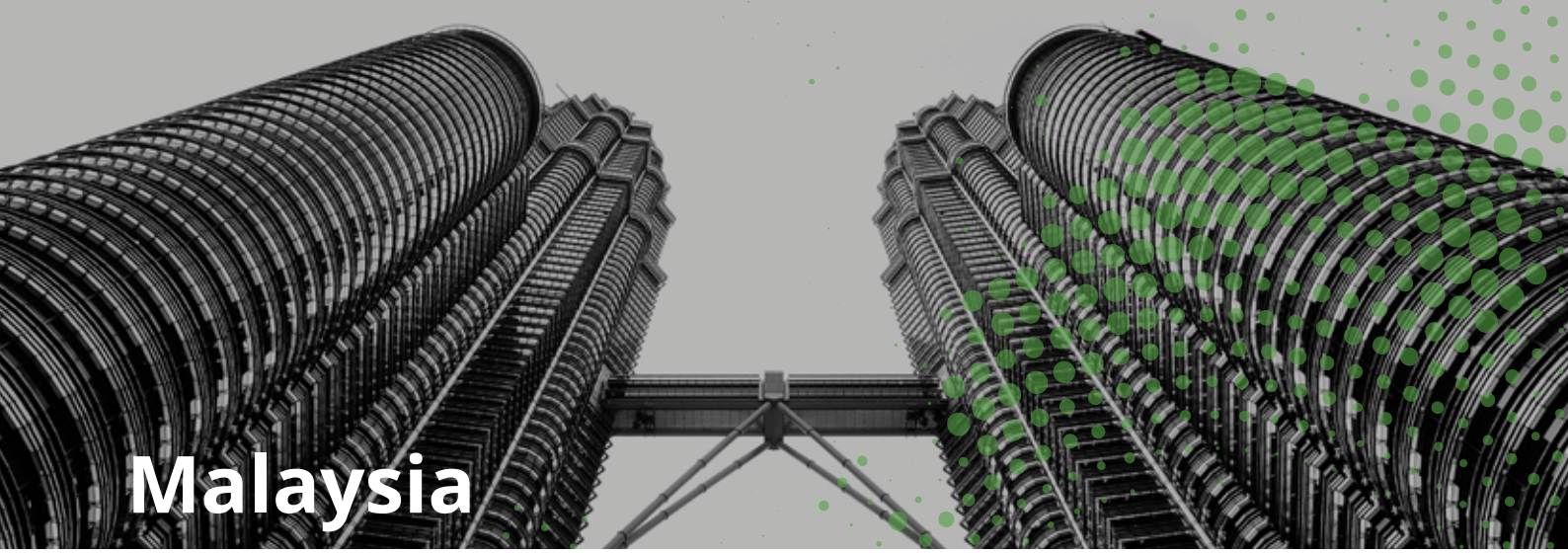
Stanlake Private Hospital
Footscray, VIC

A newly developed hospital facility, we have provided a BACnet BMS & EMS to control and monitor the mechanical services throughout the building. The existing hospital building was being refurbished, and the customer had initially planned on extending their ageing proprietary system into the new facility. We made use of the Optergy Enterprise software, to provide Western Health with a practical and easy to use, web-based system that provides a window into the critical systems required for the safe, efficient and effective operation of a state-of-the art medical facility.

Northern Beaches Hospital
Frenchs Forest, NSW

Complete BMS and EMS for this large hospital on Sydney's Northern Beaches. The Hospital includes both private and public hospital services. comprehensive thermal metering (over 200 thermal meters), water and gas metering (over 200 pulse meters), and electrical metering (approximately 300) for billing.

The project includes control of the CHW System, HHW system, CW systems, Surgical Room Pressure Controls, Touch-panel nursing station controllers, and interfacing with services including fire, hydraulics, electrical, backup generators, lifts, lighting, security and other services.



Malaysia

Celcom Tower

Situated within thePJ Sentral Garden City, the Celcom Tower was designed to achieve Gold rating for both LEED and Green Building Index (GBI) standard.

We installed the BMS and EMS aimed to achieve high energy efficiency for the ACMV (Air Conditioning, Mechanical and Ventilation) system throughout the lifecycle operation.

Indoor Air Quality (IAQ) level is controlled to meet the LEED and GBI standard with the intent of sustaining the energy target.

The project included:

- Control and monitoring of 500+ VAV units
- Control and monitoring of 100+ AHUs & FCUs
- Control and monitoring of chilled water system
- CO2 monitoring and control
- Energy consumption monitoring and alarming system
- Energy monitoring for all major electrical service such as lighting, ACMV, general power etc.
- Energy reporting tools
- Interfacing and billing system of the tenant chilled water usage
- Interfacing to potable water supply
- ACMV system maintenance module
- People counting system

Paramit Penang

Paramit Penang is situated withing Penang Science Park. This project involved installling the BMS and EMS for the building to achieve high energy effciency for the ACMV (Air Conditioning, Mechanical and Ventilation) system throughtout the lifecycle operation. Indoor Air quality (IAQ) level is monitored throughout the facility to ensure constant fresh air supply.

Manipal International University

Phase 1 Nilai, Negeri Sembilan MIU's Nilai campus is built on a 136-acre piece of land south of Kuala Lumpur. Malaysia's first green University, it is well on track for the GBI platinum certification and LEED platinum accreditation. Completed in early 2013, it has now transformed into a bustling community with a capacity of over 20,000 students, as well as hundreds of faculty and staff.

Manipal Hospital Klang

Manipal Hospital Klang is a 200 bed modern facility located in Bukit Tinggi, Klang. The hospital provides specialist care for patients with medical and surgical needs including day surgery.

Our installed BMS incorporates the latest energy efficiency software with emphasis on proper condition control. This ensures operating cost are low while occupants comfort are not compromised. State of the art control and monitoring system are also implemented for all operating theatres and critical areas of the hospital.

Teknion

A state of the art showcase gallery and office certified with LEED Commercial Interiors - Platinum.

The project included:
- Chilled water plant
- Chilled beams system
- Fresh air handling units.
- Optergy Enterprise

The Maxim - Resort World Genting

The Maxim is a five star hotel and resort boasting over 800 exquisite rooms.

We were engaged to act as the system auditor and designer for the existing BMS, EMS and electrical services.

The project included:
- Temperature and humidity
- Monitoring station
- Electrical system monitoring
- UPS monitoring
- Water leak detection

Singapore

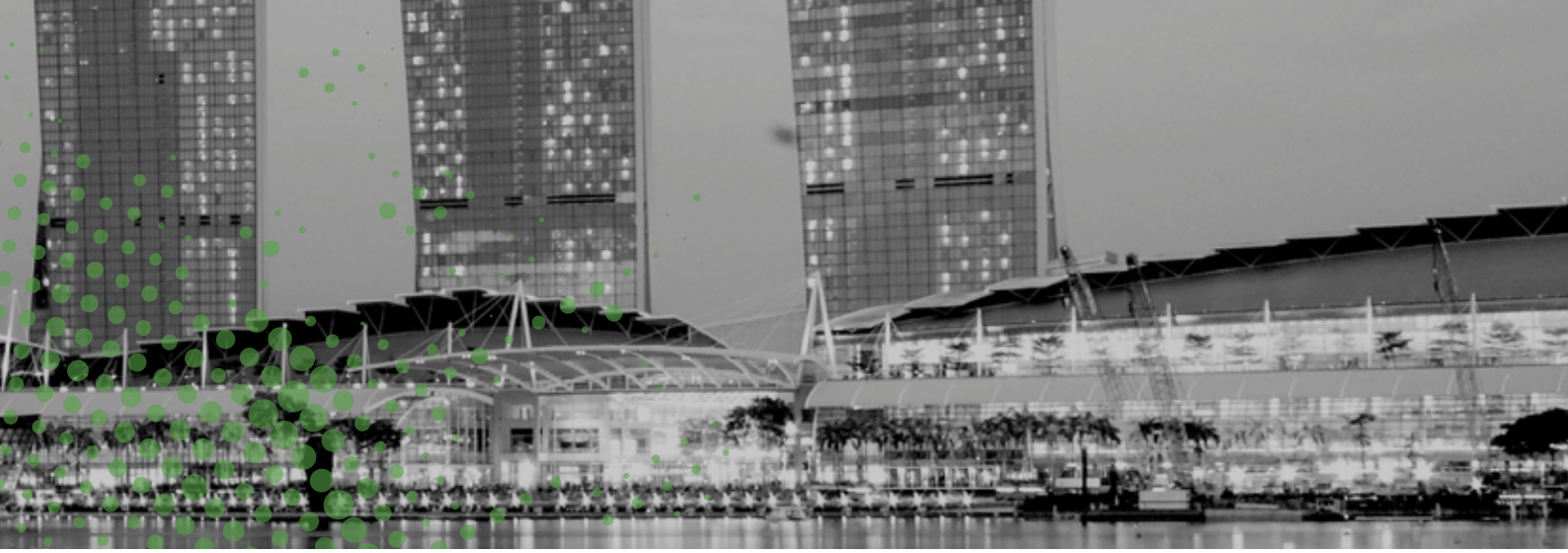
LinkedIn

We built an Environment Monitoring System designed specifically to the needs of LinkedIn Data Centre. The system is connected to LinkedIn global network which allows synchronisation of all LinkedIn buildings and offices around the world.

The project included:
- Temperature and humidity monitoring station
- Electrical system monitoring
- UPS monitoring
- Water leak detection

Infineon

Infineon needed a water metering monitoring system to monitor and report their domestic water consumption. They have a number of existing and new water meters which we integrated to Optergy Enterprise using MODBUS protocol. We successfully delivered the project using a Virtual Machine solution as required by Infineon.



ARC380

Strategically situated within the central District 12, Arc 380 is a rare comprisal of 144 offices and 23 retail units, complemented with landscaped sky terraces and abundant luxury facilities. Presented as the new landmark in town, the development is seated at the junction of Lavender Street and Jalan Besar.

The project included:

- Control & monitoring of FCU for office & common areas
- Control & monitoring of chiller plant room
- Control & monitoring of mechanical ventilation fans
- Electrical consumption monitoring

Fort Canning Lodge

Wwned and managed by the YWCA of Singapore, the Fort Canning Lodge offers affordable accommodations with 175 guest rooms, meeting, training and seminar room facilities. It has a café which can accommodate 150 guest, a outdoor swimming pool and 100 covered carparks bays. This project involved the retrofitting of the existing BMS.

The project included:

- Control & monitoring of AHU & FCU
- Control & monitoring of chiller plant room
- Control & monitoring of mechanical ventilation fans
- Lighting control
- Electrical consumption monitoring

United Kingdom

01 National Audit Office

02 Barley Mow

03 City Tower

04 The Keep

05 Orbis Energy

United States

We opened an office in Seattle in 2015. We have been recruiting regional dealers, since with our dedicated partner list continuing to grow rapidly.

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