# Hitachi in Oceania











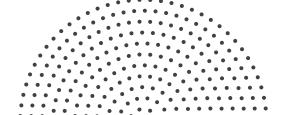






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# Contribute to society through the development of superior, original technology and products

#### Introduction

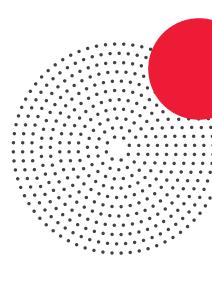
# Leading the World with Social Innovation

Hitachi has been contributing to society since its foundation over 110 years ago. We strive to add value to society through our Social Innovation Business – a globally implemented framework that harnesses the combined power of our operational technologies and over half a century of leading IT expertise.

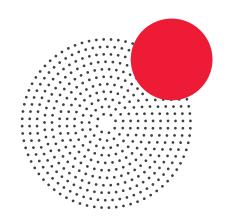
Challenges that await or demand solutions are everywhere. Adopting a customer-centric approach, we openly collaborate with our customers and partners to foster innovative thinking to meet these challenges in the transport, mining, agriculture, public safety, energy, and healthcare sectors. By sharing ideas, we can utilise technology to create a richer social fabric.

Discover how Hitachi is using technological innovation to help society in Australia and New Zealand realise a sustainable way of life.





# **About Hitachi**



In accordance with its mission, "Contribute to society through the development of superior, original technology and products," Hitachi, with over 110 years since its founding in 1910, has responded to the expectations of society and its customers through innovation.

Established as a manufacturer of five-horsepower induction motors, Hitachi has not only developed its ability to create products, but has honed its abilities in control and operational technologies (OT) in more than 110 years as a manufacturer, as well as its knowledge in information technologies (IT) over the past 50 years. Hitachi's Social Innovation Business combines OT, IT, and products to create new value and resolve social issues.



#### Hitachi by the Numbers

# Hitachi Group: An experienced global performer



Founded in **1910** 



Consolidated revenue

Approximately **AU \$115bn\*** 



Consolidated R&D expenditure

Approximately AU \$3.9bn\*



Consolidated number of employees

Approximately 350,000



Learn more about Hitachi through this video

<sup>\*</sup>Fiscal Year 2020

# Hitachi Group Identity



Originally set by the Hitachi founder Namihei Odaira, the Mission has been carefully passed on to generations of employees and stakeholders throughout the company's history.

The Values reflect the Hitachi Founding Spirit, embraced with care and passed along to each and every Hitachi Group member as we continue to fulfill Hitachi's Mission. The Vision is an expression of what the Hitachi Group aims to become in the future as it advances to its next stage of growth.

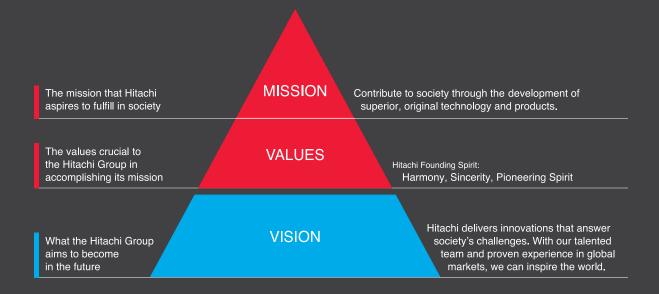
The Mission, Values, and Vision were developed to be shared as a simple concept.

# Our Founder's Mission Continues

Namihei Odaira graduated from Tokyo Imperial University with a degree in electrical engineering. After beginning his professional career in the mining industry, Odaira founded Hitachi in 1910 with the ambition to "contribute to society through the development of superior, original technology and products."

More than just ambition, these words have driven every action of the company for over 110 years.







Hitachi delivers innovations that answer society's challenges. With our talented team and proven experience in global markets, we can inspire the world.



#### **Global Values**

# **Creating a Better Tomorrow**

Hitachi embraces the values of Harmony, Sincerity and Pioneering Spirit. These words steer operations, calling on our employees to give their best as we build products and systems that positively contribute to society. Conserving resources and preserving ecosystems is part of this positive contribution. Since its foundation, Namihei Odaira positioned the company to be a key player in what he knew would become a global community, working to build a better world for future generations.

#### Harmony

The willingness to respect the opinions of others and discuss matters in a manner that is thorough and frank, but fair and impartial, and once a conclusion has been reached, to cooperate and work together to achieve a common goal.

#### **Sincerity**

To act with a sense of ownership and honesty at all times and never pass the buck. The spirit to meet society's expectations and generate credibility for Hitachi.

#### **Pioneering Spirit**

To work creatively, using novel approaches to enter new areas. To always act as a pioneer within our areas of expertise and to have the passion to pursue higher goals beyond our capabilities.



#### **Forward Vision**

# Mid-Term Management Plan

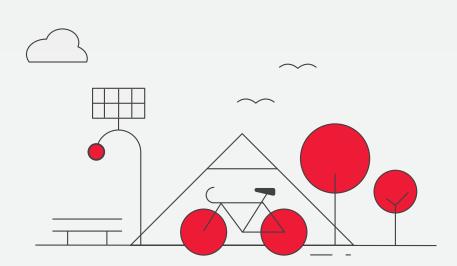
We believe Social Innovation is about collaborating to address the world's social and environmental issues. Communities, governments and businesses need to work together towards a common goal to achieve meaningful change. It's bigger than any individual or organisation. At Hitachi, we collaborate with our partners to make the "good" the world needs, a reality.

social-innovation.hitachi

Our vision can be expressed as:

Hitachi Social Innovation is

POWERING GOOD



As an integral part of its mission, Hitachi has continuously strived to serve society in a sustainable manner by focusing on Social Innovation Business.

By promoting Social Innovation Business, in the 2021 Mid-Term Management Plan, we will operate business to create three value propositions for customers including social values, environmental values, and economic values.

Hitachi has identified five areas where its solutions can increase these values for customers: **Mobility, Smart Life, Industry, Energy, and IT.** 

For Oceania specifically, three focus areas for the region have been selected, namely Smart Cities, Rail, and Mining, and all will incorporate IT capabilities.

Hitachi's solutions in these areas will improve the quality of life for people and provide added value to customers.

#### To improve the Quality of Life and provide added value for customers



**Social Values** 









**Economic Values** 

To enhance social, environmental and economic values through our five sector business and technology solutions.



Mobility Solution



Smart Life Solution



Industry Solution



**Energy Solution** 



IT Solution



**Product** 

# Hitachi's Collaboration with the NSW Government

One of Hitachi's key projects in the Oceania Region is a collaboration with the New South Wales (NSW) Government on the redevelopment of Western Sydney and the creation of an Aerotropolis near the new Nancy-Bird Walton airport.

This Western Sydney Project is a transformational urban development project which will be one of the largest in the region. The plan is to create a new city including a new airport in Western Sydney supported by an advanced manufacturing precinct called the Aerotropolis, and new infrastructure in the heart of Western Sydney. The Aerotropolis will deliver approximately 200,000 new job opportunities, by establishing a new high-skill jobs hub across aerospace and defence, manufacturing, healthcare, freight and logistics, agribusiness, education, and research industries.

In 2019, it was announced that Hitachi would be the first tenant at this Aerotropolis, with a collaboration and research centre that will generate hi-tech jobs: The Kyōsō Centre.

#### The Kyōsō Centre

The centre, based on Hitachi's successful Kyōsō-no-mori facility in Japan, will promote collaborative creation-style research between business, academics and government. With expected construction to begin in late 2022, the centre will support more than 85 advanced technology jobs in Western Sydney, in fields such as data analytics, artificial intelligence and other technologies.

NSW Premier Gladys Berejiklian made the announcement on 23 October 2019 with Dr Norihiro Suzuki, Vice President and Executive Officer, CTO and Mr Hideki Osumi, General Manager of Smart Digital Solution Business Development Division, and General Manager of Smart Life Business Management Division, from Hitachi Ltd.

Ms Berejiklian said the 'Kyōsō' centre would bring Hitachi's successful 'Social Innovation Business' concept to Western Sydney and was an important step towards ensuring the new Aerotropolis delivers on its promise to be a hub for innovation, research and development. "Their presence at the Aerotropolis

will attract the brightest minds and the best in business to the region – a great opportunity for economic development and job creation into the future," Ms Berejiklian said.

Dr Suzuki said Hitachi's vision was to investigate challenges facing society, customers and stakeholders and to work together to identify ways to resolve the issues.

"Hitachi looks forward to being a founding tenant of the new smart city and will continue to work with the Western Parkland City Authority (WPCA) to contribute to the planning and design of the Advanced Manufacturing and Research Precinct." Dr Suzuki said.

"By drawing on vast experience and technology in social infrastructure and information technology, Hitachi works to provide the best outcomes and help improve customers' economic, social and environmental value. Hitachi hopes to accelerate Kyōsō-style collaborative creation in Western Sydney."



# Further collaboration with Liverpool City Council

As part of the Western Sydney Project and Hitachi's collaboration with the NSW Government, co-creation with eight local government councils surrounding the Aerotropolis is a key focus. Hitachi Australia is currently working with Liverpool City Council, one of the largest of the eight local government councils, on the possibilities of co-creation.

In May 2020, a three-way
Memorandum of Understanding (MoU)
between Hitachi Australia, Liverpool
City Council, and South Western
Sydney Local Health District (SWSLHD)
was signed. The focus of the MoU is to
initiate digital solutions for improving
the 'Quality-of-Life' of its residents, as
the first Kyōsō-Centre joint project.

# The first project for the Western Parkland City Authority (WPCA)

Hitachi Australia began its first project for the WPCA in 2020.

The Inter Government Ledger Project (IGL) was a UN led project, where Australia was the lead country to begin the journey for a complete digital export supply chain for agriculture products – from farm to export destination country. This means that exports would be supported by end-to-end digital processing of transactions – no paperwork.

Hitachi's first phase of the project was to undertake a feasibility analysis to validate the concept. This has been completed. The second phase in 2020 involves setting the framework – virtual digital export transactions.

Hitachi Australia was also awarded the second phase of the Digital Supply Channel (DSC) contract (formerly named the Inter government Ledger, or IGL) with WPCA. After having proved the technology in Phase 1, Hitachi now will be developing the solution to take DSC to the next level which is to allow countries to "digitally" trade goods, starting with agriculture products.

#### What is the IGL solution?

It is a protocol for the trusted transfer of trade related digital documents between Customs Agencies. It establishes rules for government to government (G2G) communication through a secure, high-integrity channel. The G2G channel solves the trust problem, as importing regulators will trust digital documents sent via exporting regulators rather that private developed paperwork. The project is developed by UN/ CEFACT, with Head of Delegation Support from the Australian, Singapore, and Chinese governments, led by Australia.

# Social Innovation Business

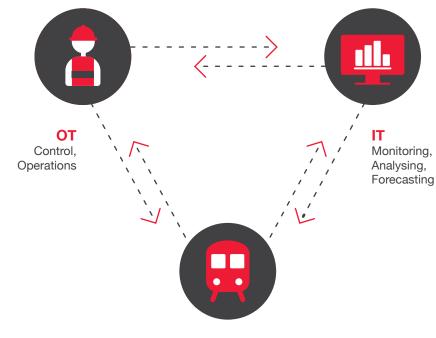
# Hitachi's Social Innovation Business and Sustainability

The evolution of technologies such as the Internet of Things (IoT) and artificial intelligence (AI) are transforming enterprise and people's lives. On the other hand, problems are emerging in many parts of the world as societies become more advanced, complex and diverse.

Advocating Sustainable Development Goals (SDGs) to overcome the challenges facing all humanity, the United Nations has called on industry to contribute through business.

Hitachi's Mission focuses on realising the social values targeted through the SDGs. This has been the major theme of management ever since Hitachi was founded. Working with stakeholders, we are strongly promoting the Social Innovation Business to develop a common understanding of issues with society and customers, and to help address these issues by leveraging Hitachi's strengths in operational technology (OT), information technology (IT) and products/systems.

#### Solve Social Issues



#### **Products / Systems**

Hardware, Materials,
Engineering / Procurement / Construction,
System Integration



# Working together to accelerate innovation



# Overview of SDGs and Hitachi Oceania

#### **Corporate Commitment**













**Business Strategy** 





Hitachi's mission to "contribute to the society through the development of superior, original technology and products" shares the same ideology as United Nation's 17 Sustainable Development Goals (SDG). We support the principles of the **United Nations Global Compact** and with our technological innovation and IT expertise we intend to continue contributing to the development of a sustainable society by actively engaging in SDG.

#### **Identifying Key** Social Challenges

Of the 17 SDGs, there are 11 Goals that align closely with Hitachi's mission. Six Goals where Hitachi can make a significant impact through its corporate commitment to society and a further five Goals where are through its business strategy. These were identified by consulting the ISO 26000 standard, the UN Global Compact and other social good sources. There are both opportunities and risks when working to make the world a better place, but the achievement of these goals is inextricably tied to Hitachi's very future as a company.

Embracing the belief that Hitachi can contribute broadly to the achievement of the SDGs through a wide range of business activities, the company is also investigating options for supporting the remaining Six SDGs in the short to medium term. We are committed to supporting efforts to reach all SDGs, both directly and indirectly, especially in terms of the interaction and interdependence between them.

#### Our focus in 2020

In 2020, Hitachi Oceania (Australia and New Zealand) has continuously worked with our various stakeholders in a sustainable manner by focusing and aligning our Social Innovation Business / business activities with the SDGs. We are also pressing forward with environmental activities based on Hitachi Environmental Innovation 2050. One of the main targets is to achieve carbon neutrality at all its business sites (factories and offices) by fiscal 2030.

As part of our commitments to the Global 2030 Sustainable Development agenda, we have been aligning and linking our products and services, as well as business operations with the SDGs.



# **Elements of SDGs within Our Products and Services**



We believe that developing products and services which are aligned with the SDGs will lead to sustainable and long-term growth for Hitachi and the society. Among our many products and services closely linked with the SDGs in 2020, we would like to share the following: new rail signalling system, smart agriculture technology, bushfire prevention technology, energy-saving compressor, and enhanced consumer product.

# Brisbane's Cross River Rail Project

Hitachi Rail, in partnership with Queensland Rail, is delivering a new world-class railway signalling system the European Train Control System (ETCS) as part of the city of Brisbane's Cross River Rail Project. The introduction of ETCS Level 2 technology is the first step in the digital transformation towards smart sustainable mobility that will shape the future of Brisbane and the South East Queensland region. Already operating in cities throughout the world, the new railway signalling system will increase capacity, efficiency and reliability while maintaining safety on South East Queensland's rail network. It is especially important for the safe operation of trains in the Cross-River Rail tunnels. This system will significantly improve safety, increase efficiency, and enable increased capacity on the rail network across Southeast Queensland's rail network.

#### Sustainable Development Goals



### Goal 8 - Decent Work and Economic Growth

Links to target 8.a. about achieving economic productivity through technological upgrades and innovation.



#### Goal 9 – Industry, Innovation and Infrastructure

Links to target 9.1. about developing quality, reliable, sustainable and resilient infrastructure.



#### Goal 11 – Sustainable Cities and Communities

Links to target 11.a. about providing access to safe, affordable, accessible and sustainable transport systems for all.



#### Goal 13 - Climate Action

Links to target 13.1 about strengthening resilience and adaptive capacity to climaterelated hazards.



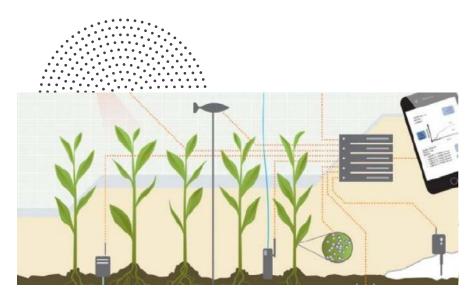
### Goal 17 – Partnership For The Goals

Links to target 17.19 about promoting effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships.



## Smart Agriculture Technology in Queensland

Hitachi Australia has been in partnership with several stakeholders to develop an Australian Horticultural Sustainability Framework under the program "Horticulture for Tomorrow". Hitachi, as part of the larger project team, leads the development of digital solutions for the collection, analysis and presentation of key farm productivity and environmental performance for targeted environmental outcomes.



With a focus on protecting soils and water quality in sensitive catchments across the Great Barrier Reef, key physical and chemical indicators will be used for managing and monitoring water quality objectives (WQOs) related to key farming practices. This allows base environmental performance monitoring and reporting to be in line with regulations and industry Best Management Practice (BMP) programs. The Hitachi Lumada platform is used for analysis of key data and include process orchestration approaches to allow the integration, automation, and optimisation of business processes and workflows and key industry BMPs.

This initiative has been contributing to the conservations of lands, oceans, and marine resources. It also encourages innovation in the field of data analysis, automation, and optimisation of workflows.

# Sustainable Development Goals



#### Goal 14 -Life Below Water

Links to target 14.2. about sustainably managing and protecting marine and coastal ecosystems to avoid significant adverse impacts and target 14.3 about minimising and addressing the impacts of ocean acidification



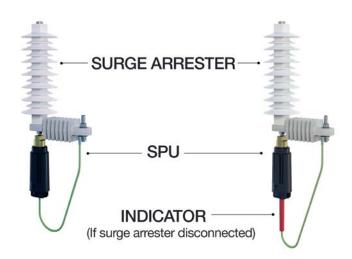
#### Goal 15 - Life On Land

Links to target 15.1 about the conservation and sustainable use of terrestrial and inland freshwater ecosystems.



### Goal 17 – Partnership For The Goals

Links to target 17.19 about promoting effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships.



# Preventing Bushfires with the Spark Prevention Unit (SPU)

Hitachi ABB Power Grids has developed the Spark Prevention Unit (SPU) technology that helps reduce the risk of bushfires due to surge arrester overloads.

Currently there are around 2,000 SPUs installed in Australia. While the SPU by itself cannot eliminate all bushfire risks, United Energy, a prominent energy provider in Victoria, is leading the way, by installing the SPUs as a key element of their overall bushfire mitigation program. Horizon Power in Western Australia is also utilising SPUs to improve reliability in areas of extreme lightning intensity which increases risks of overloading arresters installed on unshielded overhead distribution lines.

#### Sustainable Development Goals



Goal 9 – Industry, Innovation and Infrastructure

Links to target 9.5 about upgrading technological capabilities of industrial sectors and encouraging innovation.



Goal 13 – Climate Action

Links to target 13.1 about strengthening resilience and adaptive capacity to climate-related hazards.





At Hitachi Australia, some of our best selling models come from our Made-in-Japan range of refrigerators that help keep food fresher for longer. Understanding that one of the keys to longer-lasting freshness is reduced oxygen levels, Hitachi's latest refrigerator technology embeds a platinum catalyst within the vacuum compartment. The vacuumed environment prevents oxidisation and retains nutrients inside the food. resulting in chilled meat, fish and dairy products are kept fresh and nutritious. This is made possible through the implementation of aero-vege compartment with platinum catalyst, sensor cooling, and vacuumed environment features in the Hitachi refrigerator technology.

The product has been linked to contributing better nutrients for families, reducing food wastes, and promoting sustainable food culture in Australia.

# Sustainable Development Goals



#### Goal 2 - Zero Hunger

Links to target 2.1 about providing safe, nutritious and sufficient food.



### Goal 11 - Sustainable Cities and Communities

Links to target 11.6 about reducing per capita environmental impact including through waste management.



#### Goal 12 – Responsible Consumption and Production

Links to target 12.5 about reducing waste generation through prevention.







#### **Energy Saving Compressor**

Sullair designed and developed the VX range compressor to meet the demanding Australian conditions and offer significant energy savings and reliability. Compared to constant speed compressors, the new product can deliver significant power savings. At full load, the specific power consumption (kw/cfm of air produced) on the VX is approximately 7% lower than the current Champion VSD models. This is a huge improvement from an energy savings perspective. The VX compressors have recently been supplied into the packaging and construction industries.

# Sustainable Development Goals



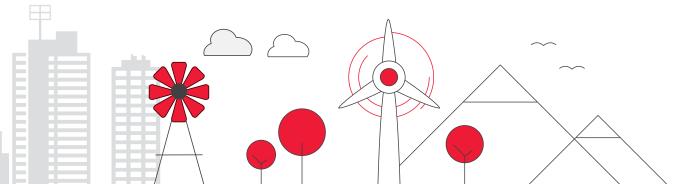
Goal 9 – Industry, Innovation and Infrastructure

Links to target 9.5 about upgrading technological capabilities of industrial sectors and encouraging innovation.



#### Goal 13 -Climate Action

Links to target 13.1 about strengthening resilience and adaptive capacity to climate-related hazards.



# Elements of SDGs within our Business Operations



At Hitachi, taking a strategic and sustainable approach to managing our business is essential for the long-term growth and resilience of our organisation.

There are three pillars that we focus on to embed SDGs within our strategy and operations:

#### **Our environment**

We're caring for our environment by adopting a sustainable approach to managing our operations and also helping our customers to do so.

#### Our people

We're continuing to create a healthy, flexible and supportive workplace for all.

#### **Our communities**

We're making a difference through community programs, volunteering, capacity building, and supporting Indigenous causes to help create stronger communities.

#### **Mitigating Waste Impact**

The end-of-life of materials can often be the start of something new. At Hitachi, we not only work to manage waste responsibly, but also collaborate with our stakeholders to find ways to create new values.

At CablePrice New Zealand, we have established and operate a standard waste and recycling system at all sites. There are large and small sized recycling boxes set up at all sites to separate metal, plastic, wood, paper, non-industrial waste, and oil-stained towels. The company also participates in the New Zealand Government's Recovering Oil Saves the Environment (R.O.S.E.) program where 75% of the oil residual is transported to asphalt manufacturers and 15% is used in an oil burner to power the company's heating system.

At Hitachi Australia, we have a program to reduce the environmental impact of packaging of consumer goods. The business submitted a 'Full-Service Program initiative' to the Australian Packaging Covenant Organisation (APCO) which includes the "Full-Service Delivery" initiative for refrigerators and washing machines.

For more than three years, in collaboration with our retail partners, we have disposed old models of appliances along with all the packaging in a responsible manner. Approximately 5,000 appliances have been processed in Australia under this arrangement over the last two years.

#### Sustainable Development Goals



Goal 12 - Responsible Consumption and Production

Links to target 12.5 about reducing waste generation through prevention.



#### Goal 13 - Climate Action

Links to target 13.1 about strengthening resilience and adaptive capacity to climate-related hazards.



#### Goal 15 - Life On Land

Links to target 15.a about mobilising resources to conserve our ecosystems.



# **Enhancing Renewable Energy Powered Operations**

Hitachi companies in Oceania are progressively implementing the utilisation of renewable energy to power many of their offices and operations. Some of the initiatives include:

- H-E Parts International has installed 688 solar panels at its Crushing Solutions Division located at the Naval Base in Western Australia. The entire installed system is rated at 190KW and is spread across multiple workshops and warehouses.
- The operations at CablePrice in New Zealand is 100% powered by renewable electricity. This electricity is sourced from a combination of wind, solar, as well as hydro-generation plants.
- SullAir has installed solar panels at their Australian Office to partially power their operations.

Through these initiatives, Hitachi businesses have been able to reduce pollution and carbon footprint and promote the usage of clean energy in the industry.

# Sustainable Development Goals



### Goal 7 – Affordable and Clean Energy

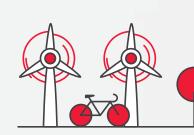
Links to target 7.2 about increasing the share of renewable energy in the global energy mix.



#### Goal 13 - Climate Action

Links to target 13.1 about strengthening resilience and adaptive capacity to climate-related hazards.















#### **Health and Well-Being**

In 2020, Hitachi companies in Oceania continued to create a healthy, flexible and supportive workplace for all. We understand that health, including mental health, is an increasing concern in the community. A series of targeted well-being initiatives and preventative programs were introduced throughout the year to better equip employees and their families.

Hitachi Australia introduced a Health and Well-Being program which focused on improving the holistic well-being of employees. This included an Employee Assistance Program for employees and their families that provides confidential counselling for personal well-being or workplace challenges, support from health coaches and nutritionists, and exclusive access to an online website. Other initiatives rolled-out during the year included the partial reimbursement of private health insurance fees, payment of flu vaccination fees and support for initiatives to Stay Active.

Hitachi Solution had implemented remote working even before the pandemic and was also an early adapter of the flexible working environment using virtual collaboration technology. This aligned with an employee exercise and wellness program which ensured remote workers felt connected with colleagues. Hitachi Vantara provided care packs to the Victorian team whilst in lockdown. The business also launched an initiative call "Make & Mend" which encouraged Friday afternoons off to give employees flexibility needed during the lockdown. Cable Price New Zealand implemented the Good Yarn program which is a peer-to-peer based training workshop aimed at increasing awareness around mental wellbeing.

# Sustainable Development Goals



Goal 3 - Good Health and Well-Being

Links to target 3.4 about promoting health and well-being





#### **Diversity and Inclusion**

Empowering women and supporting gender equality is an important element of how we operate and thrive. Throughout our businesses, from entry level to executives, we are committed to having diverse gender representation.

Hitachi Construction Machinery Australia (HCA) as an Equal Opportunity Employer, launched STEM linked apprenticeship programs and was able to increase the female participation by 16% last year. The number of female employees registered in the leadership development program was also up 17% last year. Hitachi Vantara has also established several initiatives in this space.

Management have developed a People Plan with a key focus on Diversity and Inclusivity, and also established an Australian/New Zealand Diversity Inclusion Council within the business. Education around the topic has been also conducted, including "Unconscious Bias and Inclusion" training for the Leadership Team and "Creating an Inclusive Culture of Trust & Belonging" training for all employees.

# Sustainable Development Goals



#### Goal 4 – Quality Education

Links to target 4.3 about providing equal access to quality technical education.



#### Goal 5 – Gender Equality

Links to target 5.5 about ensuring women's full and effective participation and equal opportunities for leadership.

#### **Community Services**

Hitachi Oceania constantly strives to serve the community that it is a part of. We actively encourage our employees to volunteer, make donations and become involved in the community. We aim to help people and places to be better. We are also helping create opportunities and real outcomes for the First People in Australia.



Hitachi Construction Machinery
Australia (HCA) has partnered with the
Clontarf Foundation and contributed
towards the delivery of education
programs to indigenous children
and youths promoting self-esteem,
discipline and life-skills which can
improve education and employment for
the participants.



H-E Parts sponsored schools to compete in the BHP Whitsunday Science Technology Engineering & Math (STEM) Challenge in Queensland. The challenge tasked students to build and test a Human Powered Vehicle (HOV), helping them build knowledge and understanding of STEM fundamentals in a practical application.



ABB Power Grids New Zealand employees marked the World's Environment Day on 5 June 2021 by participating in clean-up activities in Auckland, Hamilton, New Plymouth, and Christchurch. Carrying the theme Ecosystem Regeneration, they helped clean-up beaches, rivers, and parks near their local offices.



Hitachi businesses also contributes to the development of STEM programs and initiatives to address youth employment. Hitachi Rail partnered with Universities in Perth and Brisbane to contribute to the development of young engineers. HCA, Hitachi ABB Power Grids, and CablePrice are some of the many businesses that provide apprenticeship and graduate programs for youths promoting work related to STEM.



Hitachi also donates to a number of initiatives and good causes. Hitachi Australia is proud to donate and support BizRebuild, a Business Council of Australia initiative, providing practical assistance to small and local businesses impacted by bushfires and floods. Hitachi Australia and HCA have also been providing ongoing support to the Humpty Dumpty Foundation, which provides vital pieces of medical equipment to selected children's hospitals across Australia.

# Sustainable Development Goals



### Goal 3 – Good Health and Well-Being

Links to target 3.8 about providing access to quality essential health-care services.



#### Goal 4 – Quality Education

Links to target 4.3 about providing access to quality technical education and 4.4 about increasing the number of youths and adults with technical and vocational skills for employment and decent jobs.



### Goal 8 - Decent Work and Economic Growth

Links to target 8.6 about reducing the proportion of youth not in employment or training.



#### Goal 13 – Climate Action

Links to target 13.1 about strengthening resilience and adaptive capacity to climate-related hazards.



#### Goal 14 -Life Below Water

Links to target 14.1 about reducing marine pollution and 14.2. about sustainably managing and protecting marine and coastal ecosystems to avoid significant adverse impacts.



#### Goal 15 - Life On Land

Links to target 15.1 about the conservation and sustainable use of terrestrial and inland freshwater ecosystems.



### Goal 17 - Partnership For The Goals

Links to target 17.19 about promoting effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships.



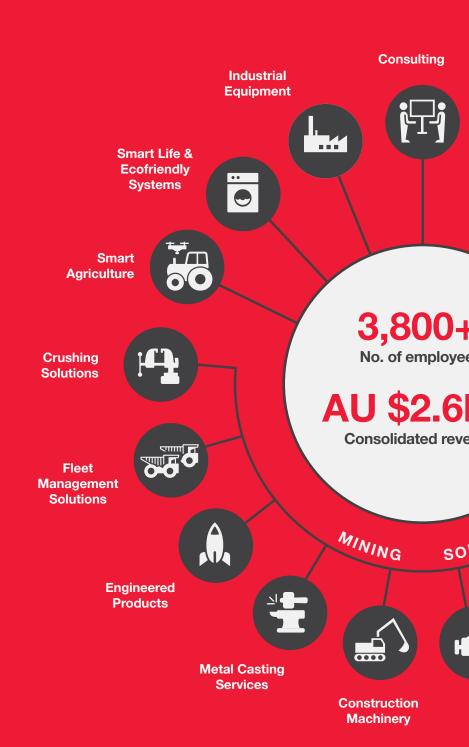
# Footprint in Oceania

#### **An Overview**

Hitachi has been operating in Oceania through various holdings for over 50 years. In that time, we have steadily grown to employ more than 3,800 employees, with a consolidated revenue of approximately AU \$2.6 billion (as of March 2021).

With offices in every Australian state and territory, and throughout New Zealand, Hitachi has made significant contributions to the region through a wide range of products and services in:

- / information and telecommunication systems and services
- / mining technologies and solutions
- / social infrastructure solutions, such as power and rail systems
- / vertical transportation systems such as elevators and escalators
- / consumer products
- / industrial products and solutions
- / consulting services





#### **Collaborative Creation**

In Australia and New Zealand, we are dedicated to collaborating with governments, businesses and communities to foster innovative thinking and deliver life-changing outcomes for society and individuals.

By working together with our stakeholders, we are 'Powering Good' for the Oceania region toward a more sustainable global society.

Learn more about Hitachi's Social Innovation Business at social-innovation.hitachi/en-au



# Hitachi Group Companies in Oceania

#### Hitachi Australia Pty. Ltd.

Digital Solutions
Agriculture Solutions

Research and Development

Digital Smart City
Healthcare Solutions

Consumer Products

Industrial Equipment

Social Infrastructure

Vertical Transportation Systems

#### **Group Companies**

Hitachi Vantara Australia Pty. Ltd.

Hitachi Vantara New Zealand Ltd.

Hitachi Construction Machinery (Australia) Pty. Ltd.

Wenco International Mining Systems Ltd.

SmartCap Technologies Pty. Ltd.

Bradken Pty Limited

H-E Parts International LLC

CablePrice (NZ) Ltd.

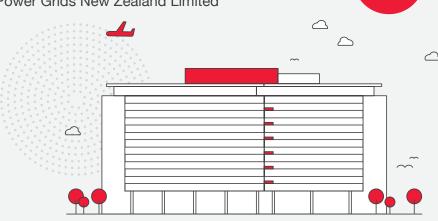
Hitachi Rail STS Australia Pty.Ltd.

Sullair Australia Pty. Ltd.

Hitachi Solutions Asia Pacific Pte. Ltd.

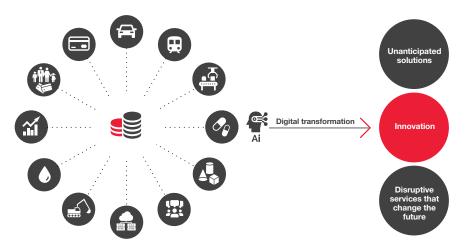
ABB Power Grids Australia Pty Limited

ABB Power Grids New Zealand Limited



<sup>\*</sup>List above as of September 2021

# Hitachi Australia Pty. Ltd.



Founded in 1983, Hitachi
Australia Pty. Ltd. is wholly
owned by Hitachi, Ltd.
Japan. The operations of the
company's various divisions
include the delivery of leading
edge technologies and
solutions in various areas.

#### **Digital Solutions**

With our powerful IT and OT experience, Hitachi Digital Solutions can uniquely inspire, envision, architect and accelerate digital transformation that solves today's challenges and prepares society for the challenges of tomorrow.

The portfolio of Digital Solutions includes health, agriculture, mining, manufacturing, transportation, safety and environment solutions. Leveraging Lumada technologies we bring advanced machine learning to illuminate and bring together data which has traditionally be siloed into disparate systems.

Advanced analytics, artificial intelligence, and machine learning are packaged into solution cores to solve business problems. Lumada's open architecture lets it run on the cloud, on premise, on the edge, or in the core.

Hitachi understands automation, and is able to provide customers a unique, single-source solution for complete integration of their physical assets and data information; offering greater speed, flexibility and efficiencies towards achieving their Industry 4.0 visions.

For more information please contact the Digital Solutions team at <a href="mailto:dsg@hitachi.com.au">dsg@hitachi.com.au</a>







To meet the challenges of the Australian farming community, Hitachi Australia, through a collaborative process with farmers, industry bodies and government, have developed solutions to meet the needs of the modern farmer: end-to-end integrated solutions across production, processing and value chain.

Today, Hitachi Offers solutions in Cattle/ Sheep and Livestock Management, Cropping, Horticulture and Supply Chain.

Why do farmers and agriculture businesses come to Hitachi? We provide solutions to enable:

- · Data insights
- · Better planning and decisions
- · Improved process operations
- Increased business returns and cost restructures through operational efficiencies

In 2019, Hitachi Australia was awarded a special recognition award, as part of an internal Hitachi initiative which recognises remarkable activities that truly represent Social Innovation and contribute to enhancing Hitachi's brand values. The award, for our work with Binginbar Farms in Gollan, NSW, was a collaborative effort in designing and implementing a complete industry solution, enabling Australian agricultural growers and livestock producers to deliver high-quality products to targeted export markets. Team members worked closely with the farm team headed by Binginbar Farms' CEO and our strategic delivery partner for the project, BizCubed, who remain an important partner for Hitachi Australia today.

Case studies can also be viewed here:



**Future of Farming** 



**Digital Supply Chain** 

For more information, please contact the Agriculture Solutions team at <a href="mailto:derrick.thompson@hitachi.com.au">derrick.thompson@hitachi.com.au</a> or alan.thomson@hitachi.com.au



#### **Research and Development**

Hitachi Australia's Research and Development division develops innovative solutions based on vast experience and technical expertise accumulated across a wide range of industry sectors.

They are also planting the seeds of Social Innovation by gaining insights into the societal challenges of the future while promoting open innovation with potential partners and stakeholders.

In Oceania, we are excited to explore new business opportunities through co-creation with Australian organisations including academic and research institutes in sectors related to mining, agriculture, transportation, healthcare, and smart cities. Working together with the NSW State Government, we will establish a Kyōsō Centre (collaborative creation centre) to accelerate the creation of Social Innovation in the Western Parkland City.

For more information, please contact the Research and Development team at <a href="mailto:rnd@hitachi.com.au">rnd@hitachi.com.au</a>





Hitachi is seeking to create digital smart cities that offer an enhanced Quality of Life (QoL) for people, all with the aim for residents to enjoy lives that are safe, secure, comfortable, and healthy.

The deployment of digital technologies is essential to the co-creation of people-centric services that add value to the places where they live, in addition to the existing concept of smart cities, including energy efficiency and effective operations.

Continuous value enhancement is achieved by analysing data collected from such places, including data generated by people, as well as IoT data from infrastructure, and updating it longitudinally.

Hitachi is currently working on the development of laaS (Infrastructure-as-a-Service) to provide a platform that integrates those data in Smart Cities.



#### **Healthcare Solutions**

Hitachi has a rich 50-year history in healthcare. In Oceania, Hitachi is focused on Digital Healthcare, Digital Hospital Transformation and Data Driven Healthcare. Our solutions cover such topics as Patient Registry, Stroke Patient solutions, Precision Medicine Platform and Diabetes Prevention Process and Solutions.

All our solutions our designed to 'power good' by helping healthcare organisations accelerate transformation and success in the digital economy by turning data into performance, better outcomes and more accessible & sustainable healthcare for society.





Hitachi Australia's Channel Business Group comprises several different products and technologies including electronic components such as Hitachi's Vein ID Biometric Authentication, consumer products, and industrial products including advanced inkjet printing units.

#### **Consumer Products**

The kitchen is the hub of the home; the gathering point for families and friends. Australians expect their home appliances to be superbly built and elegantly designed. Hitachi meets these expectations with a range of uniquely featured 'Made-In-Japan', French door, bottom and top mount refrigerators.

Hitachi Consumer Products distributes an exciting range of home appliances:

- / Made-in-Japan refrigerators
  - Refrigerators that reflect Japanese innovation at its finest.
- / French door, bottom freezer refrigerators & top freezer refrigerators
  - A versatile, stylish and energy efficient range of refrigerators

/ 10kg, 13kg & 16kg top load washing machines

- If space is a challenge, Hitachi has the solution with its 10kg washing machine. Its super slim dimensions allow it to fit into tight spaces without ever compromising on washing needs.
- Future-proof your laundry with Hitachi's regular-sized machine that boasts a 13kg washing capacity. This ultra-large capacity is perfect to serve a growing family.
- One of Australia's largest capacity domestic washing machine, with a phenomenal 16kg capacity and excellent energy and water ratings.

For more information, please contact the Consumer Products team at homeappliances@hitachi.com.au

#### Vein ID Biometric Authentication

Hitachi's Vein ID Biometric Authentication technology is one of the most advanced biometric identification technologies. Hitachi's Finger Vein attesting technology identifies finger vein patterns that exist inside the human body, eliminating tampering while increasing reliability and security and, as everyone's finger vein pattern is unique, it provides an ideal identification method without being intrusive.

For more information, please contact ecd@hitachi.com.au





### **Industrial Equipment**

Known for high performance, durability and reliability, Hitachi has a wide range of sophisticated and high-quality industrial equipment for businesses of all sizes.

Some of these products include:

- Air compressors
- Chain hoists
- Ink-jet printers
- · Programmable logic controllers

Various categories have been manufactured for over 100 years and, during this time, have been constantly improved and refined to become the advanced products that they are today.

For more information, please contact the Industrial Equipment team at hies@hitachi.com.au



### **Social Infrastructure**

Hitachi Australia's Social Infrastructure Group focusses business operations on two key infrastructure sectors: railways and power transmission.

Hitachi has been active in these sectors for over 35 years supplying high quality and highly reliable products and solutions and earning the reputation as an industry leader.

As we move into a period of rapid growth in our cities, Hitachi aims to deliver concepts and technologies that contribute to the development and delivery of intelligent mobility solutions and smart cities.

Hitachi Australia seeks to be an innovation leader in the Australian industry, fully utilising the wider Hitachi Groups' technology capabilities, attaining further evolution in the Social Innovation Business by utilising digital technologies that create new value and services for customers.

For more information, please contact the Social Infrastructure team at social-infrastructure@hitachi.com.au







### **Vertical Transportation Systems**

Hitachi provides industry-leading vertical mobility solutions that are known for their efficiency, comfort, safety and innovation.

The first Hitachi elevator was built in the 1930's in Japan. Since then, it has kept pace with the development of urban infrastructure across the world, actively contributing to the prosperity of cities. Hitachi has, in its pursuit of engineering excellence, been successful in installing the fastest elevator in the world in Guangzhou, China; capable of reaching speeds of 21 metres per second.

Now in Australia, Hitachi products are designed in accordance with AS 1735 Part 1-2016, and other Australian lift codes. Our product range is designed with the latest and renowned Japanese technology that delivers superior performance and reliability.

Fully integrated using all Hitachi components, the lift systems are developed to bring a comprehensive solution. We strive to provide high quality and efficient systems to both commercial and residential customers.

Integrating world-class Hitachi engineered equipment with exemplary customer service, we bring you the next revolution in vertical transportation to Australia.

At last, custom-designed Japanese quality elevators and escalators are now available in Australia in partnership with our qualified local partners.

For more information please contact the Vertical Transportation team at elevators@hitachi.com.au

# Hitachi Vantara Australia Pty. Ltd. Hitachi Vantara New Zealand Ltd.



Hitachi Vantara guides customers from what's now to what's next by solving their digital challenges. Working alongside each customer, we apply our unmatched industrial and digital capabilities to their data and applications to benefit both business and society. More than 80% of the Fortune 100 trust Hitachi Vantara to help them develop new revenue streams, unlock competitive advantages, lower costs, enhance customer experiences, and deliver social and environmental value.

Our world is changing – quickly. You and your competitors will see it in smart factories, smart processes, smart spaces and more. You'll have new rules, new expectations, new workloads (think artificial intelligence and machine learning) and new approaches. You have a choice: navigate this barrage of change or risk being the disrupted.

We bring together a comprehensive portfolio of edge-to-core-to-cloud infrastructure, Al and analytics, and industrial expertise in the digital domains that matter most: Your infrastructure, your data operations, and your digital industrial transformation.

Together, we can improve quality of life, create an environmentally conscious society and help our partners raise corporate value. In doing so, we can 'POWER GOOD', not just for this generation, but for generations to come.

For us, it's not good enough to ask: "What can we do?" It's better to ask: "What can't we do – together?"

### Maximise your infrastructure advantage.

Lead with agile data center technology that lets you choose service levels and handle varying data loads in one simple, automated and cost-effective solution.

### Unleash your DataOps advantage.

Unlock the full value of your data from edge-to-core-to-cloud with the data practice that positions your organisation to outmanoeuvre, outperform and out-disrupt the competition.

#### Scale your digital advantage.

Fuel unprecedented business outcomes with our unmatched digital and industrial capabilities that combine AI and analytics, digital mindsets and processes, and over 110 years of industrial expertise.

### **Contact**

- Tower B, Level 6, 26 Talavera Road Macquarie Park, NSW 2113
- P +61 2 8379 5000
- anz.marketing@hitachivantara.com

hitachivantara.com/en-anz/home.html



# Hitachi Construction Machinery (Australia) Pty. Ltd.



Hitachi Construction
Machinery (Australia) Pty.
Ltd. is a subsidiary of Hitachi
Construction Machinery
Co., Ltd. (Japan) established
in 1949, and a leading
global manufacturer of
Hitachi branded mining and
construction equipment. We
are part of the global and
diversified Hitachi Group.

Our position within this global network gives us unique access to vast resources and advanced technologies unrivaled within the industry. Our commitment to a more sustainable society has contributed to the design and manufacture of more environmentally-conscious products and facilities. We deliver comprehensive sales, service, and parts support to Australian customers across the mining, quarry, construction, forestry, material handling, and recycling industries through a wholly-owned national branch network.

We are also Australia's exclusive home of product sales and support for Hitachi and Bell equipment—two of the most renowned and innovative Original Equipment Manufacturer brands in the world. In addition to the range of product brands we now offer the Wenco Fleet Management Systems to assist mine sites in performing at their best.

To meet our customers' needs, we continue to expand our national support capabilities through continued investment in both our people and our facilities. As part of an extensive global network and with 26 locations throughout Australia, we are in a strong position to support our customers—24 hours a day, 7 days a week.

### Contact

Building 3, 1 Foundation Place, Pemulwuy, NSW 2145

> PO Locked Bag 6726, Blacktown BC, NSW 2148

P 1300 HITACHI

E 1300hitachi@hcma.com.au

hcma.com.au







# Wenco International Mining Systems Ltd.



### Wenco International Mining Systems — Advancing the digital future of mining.

Wenco extracts unrealised value for the mining industry through open interoperability, autonomous technologies, and the Industrial Internet of Things (IIoT). By leveraging our suite of solutions, Wenco customers worldwide transform their end-to-end operational performance shift by shift, hour by hour — even second by second.

Fleet management. Machine guidance. Fatigue monitoring. Asset health. Business intelligence. Cloud computing. Autonomous haulage. Grounded in our open systems philosophy, this line of Wenco solutions empowers customers with the freedom and flexibility to interoperate with any preferred solution for their unique data requirements and business processes.

A Hitachi Construction Machinery Group Company since 2009, Wenco regularly works with Hitachi's global leadership on systems research, data sciences, and IIoT initiatives. The leading-edge solutions that come from this research help mines uncover even more value as they approach a future of increased digitisation, data intelligence, and autonomous processes.

Explore the Wenco solutions below to learn how you can extract more unrealised value from your mine.

### **Optimise Productivity**

11% more tonnage each shift. 164 extra running hours per truck. Double-digit jumps in utilisation. Wenco has a full set of solutions to drive these gains and more throughout the mining process.

### **Decrease Operating Costs**

Fleet management and machine guidance solutions streamline production for smooth, efficient operations that cost less to run.

### **Extend Equipment Life**

Asset health and predictive maintenance solutions track equipment performance to predict failures, prevent unplanned downtime, and extend the lifespan of equipment.

### **Enhance Mine Safety**

From improved situational awareness to V2X proximity detection to advanced fatigue monitoring, Wenco implements practical solutions for safer operations across site.

### **Gain Actionable Insights**

Discover opportunities for improvement by accessing all your mine's data at your fingertips.

### Contact

803 Beaudesert Road, Archerfield, Queensland, 4108

P +61 7 3277 2100

E <u>australia@wencomine.com</u>

### wencomine.com

## **Bradken Pty Limited**

Our innovation. Your advantage.

Bradken delivers innovative, custom-designed wear parts, services, and solutions that enhance and optimise customers' equipment performance in productivity and safety.



Leveraging almost 100 years of engineering design and manufacturing experience, Bradken works with global mining customers to deliver world-class wear solutions, fit for their unique environments. Key products include mill liners, crushing solutions, wear chutes, crawler systems, ground engaging tools, and buckets. Bradken also produces Hitachi dump truck trays. From pit to port, Bradken products and solutions solve our customers' challenges with initiative, innovation and customer care.

Our reputation for quality products and superior customer service is built on solid regional service in Oceania and globally as we partner with our customers through 40 manufacturing, sales and service centres.

### Contact

 20 McIntosh Drive, Mayfield West, NSW 2304

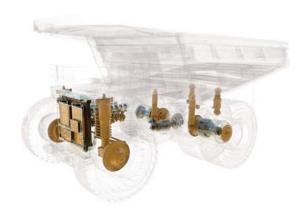
> PO BOX 105, Waratah, NSW 2298

P +61 2 4926 8200 E bradken@bradken.com

bradken.com



### H-E Parts International LLC



H-E Parts International,
LLC (H-E Parts) is a leading
independent supplier of parts,
remanufactured components,
and equipment to the global
mining, quarrying, heavy
construction, and energy
sectors. H-E Parts leverages
technical expertise and
engineering capabilities to
provide innovative solutions
that enhance component life
and lower operating costs.

H-E Parts International Mining Solutions provides mobile plant components and service support that provide solutions for the entire drivetrain. Proprietary enhanced Birrana<sup>TM</sup> wheel groups, StaTerra Power<sup>TM</sup> engines and COR Cooling<sup>TM</sup> solutions deliver extended life, ease of maintenance, and superior performance.

H-E Parts International Crushing Solutions provides fixed plant mineral processing wear parts, components, and service support. H-E Parts CME<sup>TM</sup> range of crusher liners are application specific and proven in the industries we serve for providing extended life and increased performance.

H-E Parts achieve their added value by providing fit-for-purpose design, innovation through engineering, and quality through service performance. H-E Parts live by our promise to customers by committing to provide Innovation. Not Duplication™.

#### Contact

41 Hensbrook Loop Forrestdale, WA 6112

E marketing@h-eparts.com.au

h-eparts.com

## CablePrice (NZ) Ltd.



For more than 70 years, CablePrice has been dedicated to supplying one of the best solutions for the Heavy Diesel industry in New Zealand. With 14 wholly-owned branches and the addition of mobile technicians who know their product, we aim to deliver a great customer experience.

We place significant emphasis on all areas from sales, service, parts, and training; producing unsurpassed skilled technicians that hold their own on the world stage.

CablePrice has a very strong focus on safety and continuous improvement along with ongoing training to ensure employees are up to date with the latest technology and developments in the industry.

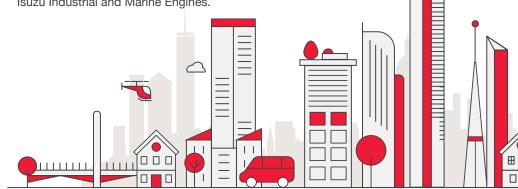
CablePrice is New Zealand's sole authorised distributor for Hitachi Construction Machinery, Bell Equipment, McCloskey International, HSC Cranes, Montabert and MB Crushers in the country. CablePrice was also appointed, by Isuzu Australia, as the official authorised distributor for Isuzu Industrial and Marine Engines.

Additionally, CablePrice sell and distribute a range of trucks throughout New Zealand. The Wellington branch is the regions authorised Master Truck Dealer (MTD) for Isuzu trucks. Our South Island branches are authorised sales, parts and service dealers for Mercedes-Benz, Freightliner, and Fuso trucks.

### **Contact**

- 41-51 Bell Road South Gracefield, Lower Hutt 5010 New Zealand
- E sales@cableprice.co.nz

cableprice.co.nz



## Hitachi Rail STS Australia Pty.Ltd.

Hitachi Rail is a fully integrated, global provider of rail solutions. With a presence in 38 countries and over 14,000 employees, we strive for industry-leading innovations and solutions that deliver value for our customers and sustainable railway systems to bene it communities.



In Australia, Hitachi Rail has been providing reliable, safe, sustainable and integrated rail transport systems and solutions for more than 20 years.

Our solutions ease urban mobility and solve the challenges of increasing populations in fast-growth cities and regional centres. We have integrated ETCS L2 signalling systems worldwide, and are proud to be delivering the new ETCS signalling system, and our state-of-the-art traffic management technology operating in Tokyo and London, to the Queensland city of Brisbane.

Hitachi Rail's breakthrough train management technology has also been central in the delivery of the world's first autonomous heavy freight long distance rail network, known as AutoHaul®.

We are extremely excited about the potential this breakthrough technology, which has been operating successfully in the Pilbara, Western Australia since 2018, may have on the heavy freight and resources sectors in Australia, and globally.

#### Contact

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> PO Box 1168, Eagle Farm, Brisbane, QLD 4009

P +61 7 3868 9333

hitachirail.com



## Sullair Australia Pty. Ltd.

Sullair, a Hitachi Group Company, is a global leader in oil-free and oil-injected air compressors and accessories that delivers robust, reliable, and energy efficient compressed air solutions that are fit for Australian conditions.



Sullair is more than just a global leader in air compressors; we partner with our clients to drive innovation, diversification and growth with our compressed air solutions.

We work with a wide variety of clients, both large and small, across a diverse range of industries.

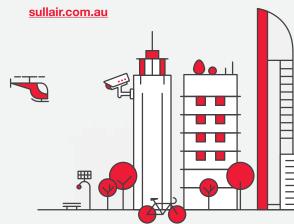
From mining, engineering and manufacturing (oil-injected compressors), to food and beverage, pharmaceutical medical industries (oil-free compressors), Sullair can supply all your air compressor needs. The comprehensive range has a global reputation for superior quality,

reliability, durability, and performance that allow you to do your job smoothly and efficiently. Sullair has a passion for solving our customer's problems by providing fit-for-purpose compressed air solutions and superior customer service to all of our clients around the country.

### Contact

 7 Bazalgette Crescent, Dandenong South, VIC 3175
 With offices in every major city

P 1300 COMPRESSOR



## Hitachi Solutions Asia Pacific Pte. Ltd.



Hitachi Solutions Asia Pacific (Australia and New Zealand Branches) is a subsidiary of Hitachi Solutions, Ltd., one of the largest and highly experienced business application consulting firms, and trusted provider of vertical industry solutions built on the Microsoft Cloud.

Hitachi Solutions Asia Pacific is 100% dedicated to the Microsoft stack and can represent it across a variety of applications. We deliver solutions designed around business needs using today's top technologies such as ERP, CRM, Field Service, IoT, and Business Analytics.

We are vertically aligned with robust, industry-specific IP curated from customer implementations of Microsoft Dynamics and the Microsoft Cloud. We have packaged our ready-to-use solutions for companies to achieve adoption and results faster.

As an organisation, we at Hitachi Solutions Asia Pacific always keep our people top of mind, may it be clients or employees. We are committed to be involved in every step of the process to ensure each relationship is built with meaningful outcomes.

Since our inception, Hitachi Solutions has been a leading provider of global industry solutions. Honored among a global field of top Microsoft partners for demonstrating excellence in innovation, implementation, and support of customers built on Microsoft technologies.

In 2021, Hitachi Solutions was recognised by Microsoft with 5 more awards:

- Microsoft Dynamics 365 Field Service Partner of the Year
- Microsoft Dynamics 365 Customer Service Partner of the Year Finalist
- Microsoft Dynamics 365 Marketing Partner of the Year Finalist
- Microsoft Dynamics 365 Sales
   Partner of the Year Finalist
- Government Partner of the Year Finalist

### Contact

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- P +64 9 3632900 (NZ)
- E info@hitachisolutions.com

global.hitachi-solutions.com



# ABB Power Grids Australia Pty Limited ABB Power Grids New Zealand Limited



Powering good for sustainable energy. We are a global leader, delivering pioneering and digital technologies as the partner of choice for enabling a stronger, smarter, and greener grid. Hitachi ABB Power Grids delivers a full suite of products and solutions across our 4 pillars: grid automation; grid integration; High Voltage products; and, transformers. Whether it be an e-mobility solution for public transport, battery energy storage to reduce CO2 emissions and cost of energy in the grid or Commercial and Industrial market, an ester filled power transformer, high voltage solutions for substations, or, connecting the North and South Islands of New Zealand with HVDC Light®, Hitachi ABB Power Grids have a solution for your energy needs.

In Australia, we host global R&D, design and technical lead centres for enterprise software, microgrids, metal enclosed capacitor banks, pole mounted switches and power transformers.

We are a global leader with world class local capability and expertise.

### Contact

- 9 1 Bapaume Road Moorebank, NSW, 2170
- Level 1, 6 Mitchelson Street, Ellerslie, Auckland 1051, New Zealand
- P +61 2 9158 3274 (AU)
- P 0800 464 474 (NZ TOLL FREE)
- E powergrids@hitachi-powergrids.com

hitachiabb-powergrids.com





# Over 110 years of Social Innovation





### **Contact Hitachi**

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