WE ARE

Australasia’s only manufacturer and a leading supplier of passenger boarding bridges and associated gateway equipment.

Our solutions are high quality and intelligent and backed up with superior service and support.
Airport Equipment is a global leader in the design of aviation ground support equipment with installations and support crew in every major airport in the South Pacific and beyond.

We do all electrical design, construction, fabrication, assembly and site installation in-house. Since 1974 we have manufactured and installed more than 300 aircraft passenger boarding bridges.
DESIGN & BUILD

For over 40 years our workshop has been regarded as one of the largest and most comprehensive engineering shops in New Zealand.

Our experienced team will concept, design, manufacture and install any type of equipment you need to keep your apron working efficiently.

SERVICE & MAINTENANCE

Our comprehensive spare parts holding and integrated maintenance software platform enables us to supply the best service solution for your equipment anywhere in the South Pacific region.

We service and maintain all manufacturer's equipment.

TECHNOLOGY & UPGRADES

Constant investment in technology keeps us in front of the competition.
We have upgrade solutions to bring your old controls and systems up to date and extend operational life.

Our proprietary software for real-time monitoring of gate equipment increases reliability and reduces gate down time.
SOLUTIONS

→ Aerobridges
→ Pre Conditioned Air Reelers
→ In Ground Pit Systems
→ Servicing
→ Apron Management
→ Ground Power
→ Pre Conditioned Air
→ Nose In Guidance
→ Baggage Hoists
→ Blast Fences
→ Access Stairs and Platforms
→ Apron Layout and Planning
AEROBRIDGES

Airport Equipment has manufactured, and installed more than 300 passenger boarding bridges over 40 years.

Our professional design and consultation services enable us to work with you to provide equipment tailored to your requirements.

Airport Equipment uses locally sourced and supported components. If a standard model or design doesn’t meet your needs we have the expertise and facilities to design and manufacture something that will.
PRE-CONDITIONED AIR DUCT REELERS

The Airport Equipment automatic reeler provides operators with a system to efficiently deliver and connect pre-conditioned air services to aircraft as well as protecting duct and couplings from ramp damage.

When installed off the aerobridge structure the reels are kept away from the apron area — increasing space for ground support equipment and improving ramp safety.
IN-GROUND PIT SYSTEMS

The Airport Equipment inground pit system is a solution for delivering ground power at the point of use while saving apron space normally taken up with inverter hardware.

The lid sits flush with the surrounding apron when stowed. When the handle is pulled the lid raises and holds in the open position presenting both control station and GPU cable to the operator. Supported services include:

➔ 400Hz ground power
➔ Pre-conditioned air
➔ Compressed air
➔ Potable water
PRE-CONDITIONED AIR & GROUND POWER UNITS

Airport Equipment supplies and supports the JBT Aerotech range of Pre Conditioned Air (PCA) units and 400Hz ground power converters.

BENEFITS

→ No running aircraft APUs on stand save fuel and maintenance
→ Reduced carbon emissions
→ Freed-up ramp space when installed on aerobridge
→ Apron or bridge mounted options
→ 20 year design life
NOSE IN GUIDANCE

Airport Equipment supply and support the FMT APIS Advanced Visual Guidance Docking System.

ADVANTAGES

→ Patented transponder system for positive aircraft identification
→ Passive azimuth guidance system
→ Control system based on industrial PC platform means no expensive or proprietary hardware
→ Obstacle scanning function

BAGGAGE CHUTES

Airport Equipment design and supply a wide range of bespoke baggage chute solutions for fixed and moving boarding bridges.

Our chutes are a cost-effective solution that is quick to install and essentially maintenance free.
Studies show that approximately 60% of damaged caused to aircraft by GSE equipment occurs during the establishment of the interface between the aircraft and the ground handling equipment.

Airlines rely on efficient operation so the risk of damage to aircraft or delays caused by non-functioning equipment needs to be minimised by ensuring that service equipment is maintained properly and is always in a fully functional condition.

We have developed a unified monitoring platform called IntelliGATE to assist airports in tracking and monitoring their gate assets.

**BENEFITS**

- **IntelliGATE** integrates with apron devices to supply a centrally co-ordinated monitoring and reporting tool that identifies and alerts any issues in real time.

- **IntelliGATE** enables faults to be automatically reported and rectified immediately.

- **IntelliGATE** historical data logging allows prompt replay of fault and incident reports via an easily interpreted graphic display leading to immediate action.
BLAST FENCES

Airport Equipment design and manufacture blast fence systems for use where airflow from aircraft engines needs to be redirected or dispersed in order to provide protection for personnel, plant or property.

As each application is always different, designs have to be tailor to suit each individual situation.

EXAMPLE USE CASES

→ Engine run up
→ GSE Protection
→ Airside road protection
→ Airfield works protection

BAGGAGE HOISTS & GOODS LIFTS

Our baggage hoists and goods lifts offer a safe and secure way to transport late baggage and other goods to and from the apron and terminal level.

Thanks to the modular design installation can be achieved within just one day to eliminate impact on aircraft movements.

A PLC control system allows for a wide range of configurations and fine tuning of the machine on site, and enables the hoists to be relocated easily in future if required.
ACCESS STAIRS AND PLATFORMS

Airport Equipment engineer and manufacture a wide range of specialised access solutions for ramp and maintenance purposes.

We design for engineer’s platforms, passenger loading stairs and aircraft servicing and maintenance systems.

APRON LAYOUT & PLANNING

Airport Equipment’s core capabilities include comprehensive gate layout and optimisation design services for our products.

We can design and build interfaces from the ground up or verify an existing design. We optimise and rationalise aircraft stop bar positions for a complete end to end boarding solution.
SERVICE & SUPPORT

We’ve got your back. Our service and support teams across the South Pacific region are equipped to maintain and upgrade all manufacturer’s equipment.
CONTROLS UPGRADES

Airport Equipment can replace old controls and technologies with current systems to increase the operational life of your assets and reduce downtime.

REFURBISHMENT

Airport Equipment can strip down your old or tired Aerobridge and rebuild it to your current specifications for significantly less than a new bridge. New interior fitout, wiring, controls and paint are examples of the work carried out.

MAINTENANCE

Airport Equipment service and maintain gate equipment across the South Pacific. With ongoing contracts through New Zealand and Australia we have the experience and personnel to look after all your requirements for airbridges, pre-conditoned air, ground power and NIGs units.
DESIGN IS A FUNNY WORD. SOME PEOPLE THINK DESIGN MEANS HOW IT LOOKS. BUT OF COURSE, IF YOU DIG DEEPER, IT’S REALLY HOW IT WORKS.

STEVE JOBS