



*Powering Business Worldwide*

# EATON OUTDOOR ENCLOSURES

**Unbeatable customised  
and standardised solutions**



# Eaton works with you to create better distributed communication networks.

Are you installing electrical equipment in a distributed network? Is space restricted?

Plug in an Eaton outdoor enclosure and discover what Eaton product knowledge and experience can mean to your business.



## What our experience can mean to your business

### Customer-centred solutions

**For ease of deployment, we work with you throughout the entire project.**

1. We define full user requirements with you (function, space, diagnostics, alarms, performance analysis, etc)
2. Our solution will fully comply with local and national government standards
3. We innovate for lowest deployment cost by designing around existing infrastructure challenges
4. Any configuration you want – back-up power, distribution, genset-ready, remote management, 3<sup>rd</sup> party equipment etc
5. Factory integration & testing, installation, commissioning, training

### The CAPEX advantage

**Unbeatable total cost of ownership.**

1. Design experience = lowest deployment cost
2. Factory optimised configuration
3. Protect your assets:
  - Long life (marine grade aluminium)
  - Fully sealed (up to IP65) – double or single skinned construction
  - Seismic and wind rated

### The OPEX advantage

**Running costs that won't "bleed you dry".**

1. Low energy bills – comprehensive remote monitoring & control including demand response
2. Low energy bills – high efficiency heat exchanger cooling technology
3. Zero truck rolls – Maintenance free! (no filters, long life fans)

### We're the market leaders

Eaton has extensive experience in Australia and New Zealand with collaborative outdoor enclosure projects, in telecommunication, industrial and other sectors.

**The advantage that you gain by choosing the market leader.**

- Proven track record since 1998
- We know how to protect your assets
- We understand your needs

### Key ANZ projects:

- FTTH ADSL2 deployment >5,000 sites
- 3G / 4G mobile national deployment >1000 sites
- FTTH fibre deployment >3000 sites
- Railway communications >400 sites

## Applications include:

### Telecommunications

- Mobile – 3G / 4G
- Broadband – FTTH / FTTH

### Control Systems

Waste water, power transmission, telemetry

### Security – CCTV

**Railway** – Signalling & communications



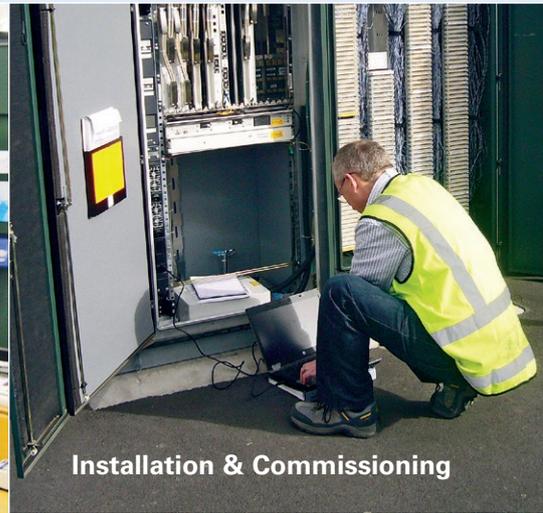
## End to end service capability



Definition & Design



Integration & Testing



Installation & Commissioning

## Maintenance free design



High cooling capacity

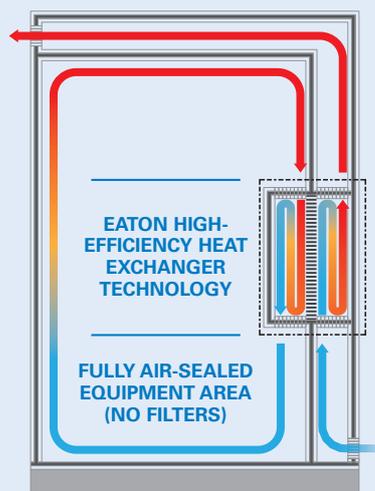
Fully Sealed  
*(dust and corrosion free)*

Zero maintenance  
*(no filters, long life fans)*

Low running costs

## Fully sealed high efficiency heat exchanger

- Heat dissipation up to 5kW
- High protection
- Low running costs
- Very low noise
- Maintenance free



“As market leader, Eaton has extensive experience in Australia and New Zealand in collaborative outdoor enclosure design and deployment projects, in telecommunication, industrial and other sectors.”

# Case study - 4G Broadband rollout

**The challenge** – to design and build a robust and compact outdoor cabinet solution for mobile radio base stations. The design team had to support the 4G (LTE) rollout and rural broadband (RBI) initiative, and deliver solutions to a tight schedule.

**Requirements** – a compact and robust solution with a high power rating to mount up to ten base station transmitters in one cabinet, along with batteries, DC power and other equipment.

**Development** – Eaton worked alongside the customer to design the cabinet solutions based on a standard platform with specific adaptations for each application. Prototypes were tested in a thermal chamber with real equipment and at live sites to verify thermal ratings, ensure cost-effective installation, and identify opportunities for improvement.

**Production** – Eaton supply chain management enabled a fast ramp-up of production in a short time, to support customer rollout deadlines.

## Who we are...

Eaton is a power management company providing energy-efficient solutions that help our customers effectively manage electrical, hydraulic and mechanical power. A global technology leader, Eaton acquired Cooper Industries plc in November 2012. The 2012 revenue of the combined companies was \$21.8 billion on a pro forma basis. Eaton has approximately 102,000 employees and sells products to customers in more than 175 countries.

The electrical group is Eaton's largest division and is a global leader in electrical power distribution, power quality, and power control. We also specialise in industrial automation products, outdoor enclosure solutions and

comprehensive electrical service solutions. All major standards are supported, including ANSI/NEMA and IEC. Eaton's global electrical product lines draw on the historical capabilities of Cutler-Hammer®, MGE Office Protection Systems™, Powerware®, Holec®, MEM®, Santak and Moeller. This impressive legacy enables us to provide customer-driven solutions to serve the power system needs of the industrial, institutional, government, utility, commercial, residential, IT, telecommunications, mission critical and OEM markets worldwide.

For more information on Eaton in Australia and New Zealand, visit:  
<http://www.eatoncorp.com.au/Oceania/Electrical/>

## Outdoor enclosures



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