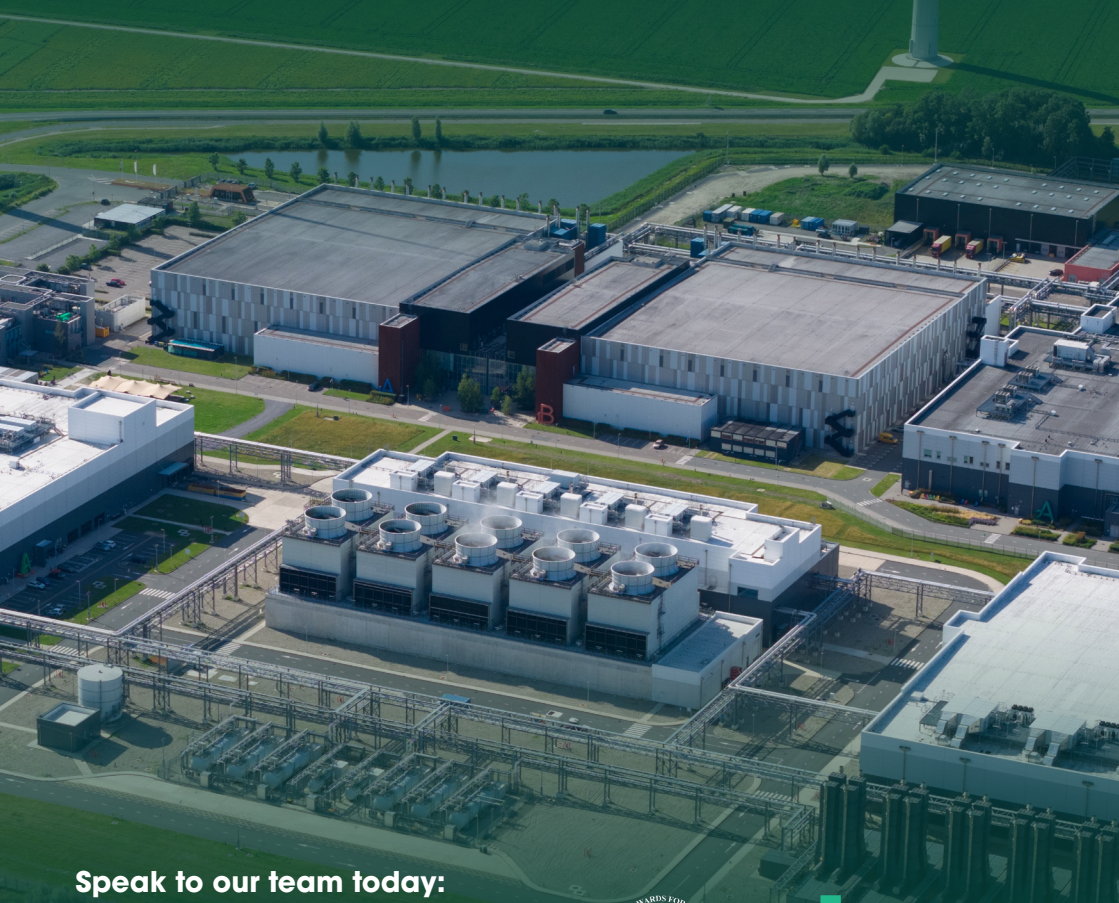
GRP Solutions

For Data Centres

Safe, lightweight, low maintenance, non-conductive GRP walkways and access structures that arrive on time, meet the specification and allow installation without hot works.



Speak to our team today:

- www.duracomposites.com.au
- sales@duracomposites.com.au
- 1300 043 872

THE KING'S AWARDS FOR ENTERPRISE 2024 INNOVATION

dura™

lowest carbon walkways

DATA CENTRES

Designed for Uptime & Risk Reduction

Data centres are mission-critical environments where uptime, electrical safety, physical security, installation speed, maintainability and whole-life cost drive every design and procurement decision.

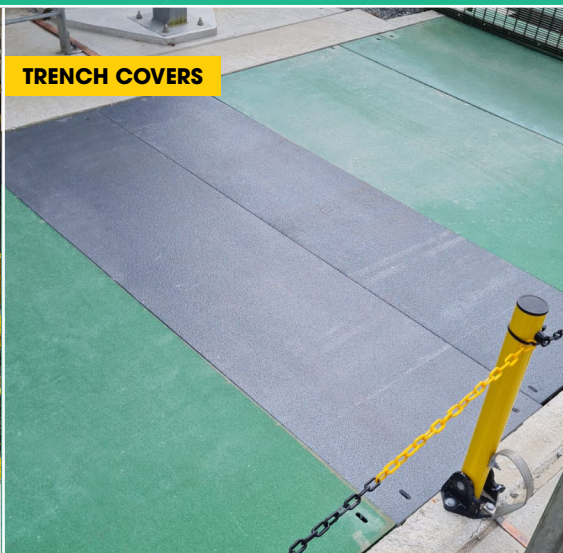
Dura's unique d^2 range of GRP products for walkways, access structures and screening provides practical alternatives to steel, aluminium and concrete, particularly in applications such as trench covers where weight, corrosion, conductivity, maintenance or live-site constraints create risk and cost.

Applicable across every facility type:

- New-build
- Co-location
- Hyperscale
- Enterprise
- Edge / Inference
- AI / Neo-cloud

Dura reviews drawings, identifies GRP substitution opportunities, supplies product data and develops project-specific packages for access systems, flooring, trench covers, service risers, cable routes, security mesh, rooftops and plant areas.





Where d² GRP Delivers Value

Switchgear & Power Distribution

CHALLENGE

Working around switchgear, batteries, UPS systems and power distribution equipment introduces safety, access and maintenance considerations.

OPPORTUNITY

We offer up to 33% lower carbon than comparable GRP, non-conductive d² GRP access systems that improve safety around live infrastructure with low maintenance.

Cooling Plant & Rooftop Infrastructure

CHALLENGE

Heavy cooling plant and rooftop equipment are exposed to moisture, chemicals/weathering, which can accelerate material deterioration.

OPPORTUNITY

Proven through extensive testing, lightweight d² GRP delivers corrosion-free performance and exceptional whole-life value by reducing repair and replacement cycles.

Live Refurbishment & Fit-Out

CHALLENGE

Many upgrades take place in operational facilities where access restrictions and limited shut-down windows create programme risk.

OPPORTUNITY

Lightweight d² GRP systems enable faster installation with reduced disruption (no hot-works) and fewer lifting requirements for max. efficiency.

Security & Tenant Separation

CHALLENGE

Co-location facilities require secure segregation without compromising airflow, visibility or future flexibility.

OPPORTUNITY

Modular d² GRP barriers and enclosures combine durability with adaptable, reconfigurable design, extending asset life and delivering lower whole-life carbon.

DATA CENTRES

Sustainability That Delivers Business Benefits

For data centre developers under pressure to deliver capacity while reducing carbon, d² GRP offers a fundamentally different approach.

Less Material. Same Performance.

Our intelligently carbon-engineered products are designed to achieve more with less material, delivering the industry's lowest embodied carbon alongside proven performance backed by extensive testing.

Leaner Construction. Lower Impact.

The benefits extend beyond the product itself. Lightweight, modular d² systems reduce vehicle movements, lifting requirements and installation complexity, helping deliver safer, leaner and more predictable construction programmes with less disruption and lower emissions.

Keeping Material In Use.

d² sustainability also extends beyond installation. Through our closed-loop recycling programme, end-of-use d² GRP can be repurposed into feedstock for future d² composites production, providing a practical pathway to circularity and helping reduce waste across the asset lifecycle.

Sustainability Backed By Evidence.

Dura leads with independently verified Environmental Product Declarations (EPDs), developed in line with recognised international standards and supported by robust life-cycle assessment methodology.

Scan to view our EPDs

www.duracomposites.com



The Case for Change

When designing, operating or upgrading a data centre, the same challenges often appear repeatedly:

- Increasing rack densities and equipment loads
- Operational uptime requirements
- Growing sustainability expectations
- Expanding retrofit and refurbishment programmes
- Demand for flexible tenant infrastructure
- Pressure to reduce whole-life operational costs





Dura helps identify where traditional materials may be creating unnecessary cost, risk or operational disruption, providing practical GRP alternatives that improve safety, installation efficiency and whole-life performance.

Achieve Greater Programme Certainty For Data Centres

Before finalising designs or commencing procurement, engage with Dura to identify infrastructure opportunities across your facility that can reduce programme risk, simplify installation and support faster, lower-carbon delivery:

- Rooftop plant access
- Switchgear and electrical infrastructure
- Cooling plant environments
- Service risers and cable routes
- Security cages and tenant segregation
- Live refurbishment works

Early consideration of these areas can help reduce design changes, programme disruption and installation challenges later in the project.



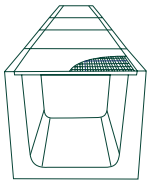


Dura Design Review

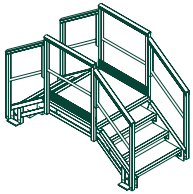
We'll review your drawings and operational requirements to identify potential d^2 GRP applications, quantify project benefits and efficiencies and provide product recommendations.

- **Safety:** Improve safety around critical infrastructure with non-conductive, anti-slip access solutions.
- **Reduced Weight:** Reduce structural loading with GRP systems weighing around one-third of steel.
- **Lower Maintenance:** Minimise maintenance demands with corrosion-resistant materials designed for long-term performance.
- **Ready-for-service (RFS), programme certainty:** Accelerate project delivery with prefabricated systems that reduce on-site works.
- **Sustainability:** Support carbon reduction and circular economy goals with lower-impact GRP solutions.
- **Security & Flexibility:** Create adaptable, scalable infrastructure that evolves alongside operational needs.

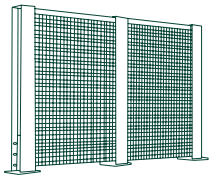
Data Centre Solutions



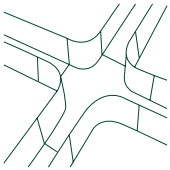
Trench & Drawpit Covers



Access Structures



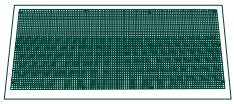
Fencing & Screening



Cable Trays



Access Ladders



Riser Void Covers

About Us

Dura are an award-winning supplier of advanced composite products and structures for infrastructure, industrial, marine, rail, access and construction environments.

The Australia & New Zealand business draws on the UK parent company and a global network - bringing established international experience, engineering capability and product innovation to local projects.

- 60 years of combined industry experience behind the business
- 30 years operating as Dura, with a global infrastructure record

Our four core d^2 promises: **Safer. Stronger. Greener. Proven.**

Dura helps customers build faster and safer infrastructure, replacing heavy, labour-intensive, maintenance-prone traditional materials with lightweight, modular composite systems.

Speak to our team today:

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