

# Grace Port Installation

## Objectives

Professional installation and retrofitting of Grace Technologies Voltage Presence and Absence Testing Devices (PESDs) on inverter units and battery enclosures to support safer and more efficient electrical maintenance practices. To improve site safety, reduce maintenance complexity, and mitigate arc flash risks by integrating Grace PESD solutions into solar and BESS infrastructure – enabling technicians to conduct essential voltage verification without exposure to live panels.

## Our Solution

Installation and retrofitting of Grace Technologies Voltage Presence and Absence Testing Devices (PESDs) across inverter and battery enclosures.

Compliance-driven approach supporting NFPA 70E standards and reducing the need for high-level PPE during routine maintenance.

Delivered compact, reliable, and cost-effective testing solutions to both new-build and existing renewable energy assets.

## At a Glance

### Challenges

- Complex Lockout/Tagout (LOTO) procedures in high arc flash risk environments.
- Maintenance delays and increased PPE demands due to conventional panel-access voltage checks.
- Ensuring seamless integration of PESDs within diverse site configurations and enclosure types.

### Value to client

- Significantly enhanced technician safety by enabling panel-free voltage testing.
- Reduced arc flash exposure and PPE requirements, improving operational efficiency.
- Faster, more reliable maintenance processes—minimising downtime.
- Future-proofed sites with cost-effective, code-compliant technology.
- Supported client alignment with industry best practices for electrical safety and compliance.

