



## CE GROUP SWITCHBOARD RANGE | arcSAFE

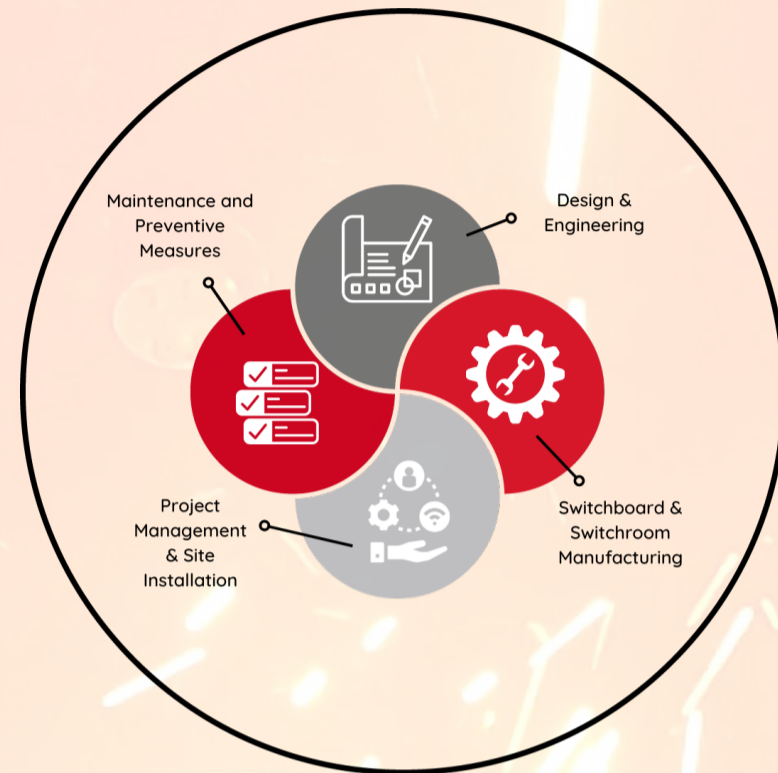
As an innovative electrical contractor, CE Group are committed to continual improvement in their service offerings. This is clear in the establishment of CE Switchboards and the vertical integration this now forms with existing electrical installation services.

This holistic service offering is supported by an internal design and engineering team, allowing meticulous care and detail to be undertaken by the specialist team from ideation through to installation.

Complimented by the inhouse capability to manufacture purpose built Switchboards and Switchrooms CE Group are able to provide a turnkey solution, while ensuring compliance with Australian Standards. This central collaboration within CE Group enables a proactive and risk adverse measure when selecting an electrical contractor.

Committed in their drive to remain at the forefront of the industry, identify market gaps and provide convenience for their clients, CE Group is proud to announce the latest milestone in switchboard safety design, arcSAFE.

arcSAFE has been driven by industry demand, and is designed, manufactured and tested to adhere to Australian Standards. The first of its kind in Australia, and the only one in the market this IP56 outdoor weatherproof, modular switchboard is rated to 1600 Amps, 36kA for arc fault containment and 36kA short circuit withstand strength for 1 sec in accordance with Australian Standards, AS/NZS 61439:2016 and AS/NZS 3000:2017.



CE Group Services Lifecycle

## SERVICE OFFERING



### Arc Fault Containment at 36kA

- Rigorous testing ensures that the system can effectively contain and extinguish arc faults, preventing hazards to operators and the general public.
- Enhanced reliability for further service. arcSAFE has been verified that the switchboard can be placed back into service after undergoing an arc fault event.
- Compliance with Australian standards enhances confidence in the reliability and performance of the system.

### Mechanical Impact Protection

- arcSAFE has been verified to IK08 impact protection without compromising the switchboard sealing and the ability to maintain the IP56 rating of the switchboard.

### Resistance to Corrosion

- arcSAFE has been constructed with marine grade aluminum and stainless steel 316 and has been verified to severity level B, making arcSAFE suitable for outdoor installations and harsh environmental conditions.



### Temperature Rise Verification

- arcSAFE is verified up to current ratings of 1600Amps within an IP56 enclosure.
- arcSAFE is also verified to house multiple compartments within a signal vertical tier, above the AS 60890:2009 temperature rise calculation restrictions.

### Short Circuit Protection at 36kA

- High short circuit rating ensures the system can handle substantial electrical faults without compromising safety and operability.
- Reduced downtime and minimized equipment damage contribute to cost savings and operational efficiency.

### IP56 Ingress Protection

- arcSAFE is verified as IP56 making the switchboard suitable for outdoor installations and harsh environmental conditions.
- Protection against dust and water ingress ensures the longevity of electrical equipment, especially in challenging environmental conditions.

## QUALITY + INNOVATION

CE Group pride themselves on their leadership in the market and this is evident in the release of the custom Switchboard range. RPEQ-certified and engineered this advanced arc-fault containment technology will set the standard in safety and reliability. This unique offering is the only one in the market to date.