



# iEngineering

idea + intelligence + integration

**Providing Industrial Hardware  
Products & Solutions...**

# iEngineering Group

[www.iengaust.com.au](http://www.iengaust.com.au)

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# *iEngineering Hardware Products & Solutions*

iEngineering excels in delivering Complete Power Quality solutions and associated equipment's to the mining, steel, food, water, rail, power, oil, and gas industries and commercial buildings ensuring reliability, cost effectiveness and sustainability.



## **Power Quality Solutions**

- Automatic Power Factor Correction Panel
- Real Time Power Factor Correction Panel
- HT Automatic Power Factor Correction Panel
- HT Harmonic Filter Bank
- Active Harmonic Filter
- Passive Harmonic Filter
- Hybrid Filter

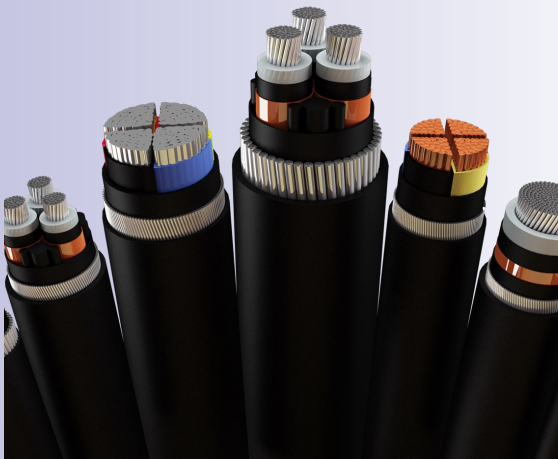
## **Power Quality Associated Equipments**

- LV/MV/HV Capacitors
- LV/HV Reactor
- APFC-RTPFC Relay
- Thyristor Module
- ACB, MCB, MCCB
- Capacitor Duty Contactor
- Residual Voltage Transformer
- Neutral Current Transformer
- Current Transformer / Voltage Transformer



## **HV & LV Cables**

- LV PVC Power Cables Cu & Al Conductor
- LV XLPE Power Cables Cu & Al Conductor
- MV Power Cable up to 33 kV
- EHV Cable from 66 kV to 220 kV
- LV/MV Aerial Bunched Cables
- Instrumentation Cable– Screened/Unscreened
- Single/Multi Core Industrial Flexible Cables
- Solar AC Or DC Cables



# iEngineering Hardware Products & Solutions

Safety, Quality, & Reliability are paramount for iEngineering Group. iEngineering as a team provide the best & cost effective Switchgear products to our consumers taking into account all these parameters.



## LV Switchgears

- Relays
- Automatic Transfer Switch
- PLC
- Timers
- VSD
- Meters
- Fuses
- Soft Starter
- Switches

## HV Switchgears

- Circuit Breakers
- Insulators
- Current Transformers
- Voltage Transformers
- Surge Protection Devices
- Isolators
- Protection Panels



## Switchgear Brands

ABB	Eaton	Selec
Siemens	Emerson	Omron
Schneider	L&T	Allen-Bradley
Hager	CAT	CNS
Lucy	Havells	Telemecanique
Legrand	G.E	TDS
Terasaki	TECO	Alstom

# iEngineering Hardware Products & Solutions

iEngineering excels in providing reliable protection of structures, industrial, commercial operations and personnel demands in a systematic and comprehensive approach towards minimizing threats caused by transients ensuring safety .



## Lightning Protection System

- The Early Streamer Emission Air terminal IONFLASH MACH Protects against all Lightning strikes Positive or Negative.
- The absence of fragile components reinforces its reliability and makes it non Vulnerable to Lightning impacts.
- It doesn't require any remote test for checking its functioning .An Operational test procedure with two devices is available.
- ION FLASH MACH is guaranteed for 7 years.

## Lightning Protection Conductors

- Lightning protection conductors are designed to handle the high current, short duration electrical current flows of a lightning strike.
- Conductors are offered with aluminium, copper and tinned copper stranding. They are designed based on material composition and dimensional requirements defined in standards such as UL®96 and NFPA®780.
- Cut to order (CTO) lengths are available for an additional charge. Secondary conductors are designed for bonding of metal objects such as gutters and window frames.
- Additional conductors are designed for heavy-duty stack applications. We also offer insulated conductors, for non-UL applications where separation distance and flashover are a concern.

### CONDUCTORS



## Grounding Accessories

- iEngineering Australia provides grounding accessories that help to ensure the dissipation of energy.
- Grounding accessories are made from highquality materials that offer superior corrosion resistance and long-lasting performance.
- They are easy to install with innovative and time-saving features to accommodate a variety of customer needs.

# *iEngineering Hardware Products & Solutions*

iEngineering offers design, manufacturing, supply and installation of all types of electrical control panels and switchboards as per Australian Standards. Leading edge technology in keeping with modern requirements has given us the reputation of providing reliable & quality products.



## **Control & Protection Panels**

- Mimic Panel
- Relay & Metering Panel
- ATS Panel
- Generator Protection Panel
- Battery Charger Panel
- Synchronizing Panel
- Air Circuit Breaker Panel

## **LV & HV Panels & Switchboards**

- LV Distribution Panel
- HV Distribution Panel
- LV & HV Switchboards
- RMU
- MCC
- VSD Panel



## **Containerized Solutions**

- LV & HV Panel
- MCC & PCC Panel
- Switch Boards
- Transformers
- Other customized Solutions

# *iEngineering Hardware Products & Solutions*

iEngineering specializes in delivering Transformer solutions to a wide variety of industries and customers. These include electricity generators, transmission and distribution organisations as well as a variety of heavy and light industrial users.



## **Power Transformers**

- Designed & Manufactured for specific applications & requirements.
- Large Power Transformers
- Medium Power transformers
- off-load and/or on-load tap changers
- Robust construction, High quality & Reliability
- Design as per relevant Australian standards

## **Distribution Transformers**

- Designed and manufactured for standard or special requirements
- Small, medium & large distribution transformers.
- Ground Mounted distribution transformer
- Pole Mounted distribution transformer
- Excellent corrosion protection systems
- Compliant with Energy performance standards



## **Pad Mount Transformers**

- Dry type compact substation with enclosure
- Dry type compact substation with enclosure and forced cooling
- Oil immersed transformer with closed substation
- Oil type compact substation with closed coupled switchgear

# *iEngineering Hardware Products & Solutions*

## **Dry Type Transformers**

- Dry type transformers in low, medium & High Voltages
- Cast resin Transformer
- Vacuum pressure impregnated
- Autotransformers
- Earthing Transformers



## **Special Transformers**

- Voltage regulating Transformers
- Rectifiers & Furnace Transformers
- Mobile Transformers
- Quad boosters/ Phase-shifting Transformer



## **Other Electrical & Mechanical Products**



- Pumps
- Motors
- Air Compressors
- Sensors
- Amplifiers
- Generators
- Transducer

## iEngineering Centre:

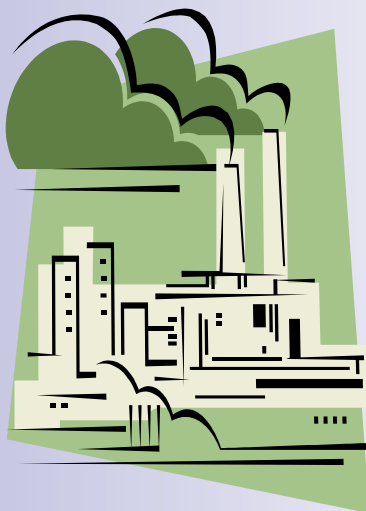


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For more information please  
refer to our detail flyer

1. Power quality solutions
2. Switchgears
3. Lightning Protection
4. Panels & Containerized Solutions
5. Transformers



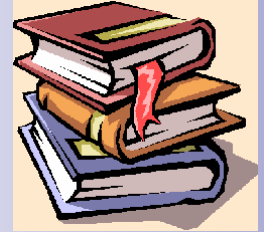
### Safety -

Site Inductions, Daily Pre-Starts & Risk Assessments, Toolbox Meeting, Safety in Design, Electrical Safety, Site Check List (Vehicles, Plant & Equipment, Plant Competency, Lifting Equipment), Work Safety Permits (Confined Spaces, Hot Work, Excavations), Certificates of Competency & Licenses/High Risk Work, Health Monitoring, Fatigue Management, Heat or Cold Stress Management, Smoking, Alcohol & Other Drugs, Hazardous Chemicals & Dangerous Goods, Monthly Communication, JSA, SWMS, WI, WHSMP, WHS Act 2011 & WHS Regulation 2011, Work Safe Australia Codes of Practice, Australian/New Zealand & International Standards.



### Quality -

Valid Licenses, Qualifications, Appropriate Training, Experience, and Certificates of Competency (CoC). Check & Test Sheets, Engineering & Design Procedure, Design & Commissioning ITPs, Document Control, Inspections & Audits, ensure all monitoring and measuring devices are controlled, calibrated and maintained, QMP, PMP, DMP, Australian/New Zealand & International Standards.



### Environment -

Environmental legislation & project specific conditions or licenses, Achieving a high level of environmental compliance, Identifying & managing our risks and impacts on the environment, Fostering environmental awareness and encouraging a genuine respect for environmental protection among our staff. EMP are made site specific & takes into account issues identified in the Project Specification, other Environmental Management Plans and Environmental Impact Assessment (EIA) or Review of Environmental Factors (REF), Environmental Risk Management, Waste Management, Flora & Fauna, Weed Control, Soil Contamination, Soil and Water Management, Erosion and Sediment Controls, Storm Water Management, Hazardous Substances (Oil, Fuel & Chemicals), Cultural Heritage.



**iEngineering Australia is an energetic, flexible and open-minded team ready to work hard for our clients, striving for excellence.**

**We are committed to providing the highest quality products & services exceeding our client's satisfaction at all times.**

**We are a diverse company and takes pride in setting industry benchmarks as vibrant and innovative leaders, aiming for top quality workmanship embraced with safe working standards and superior customer service.**

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