

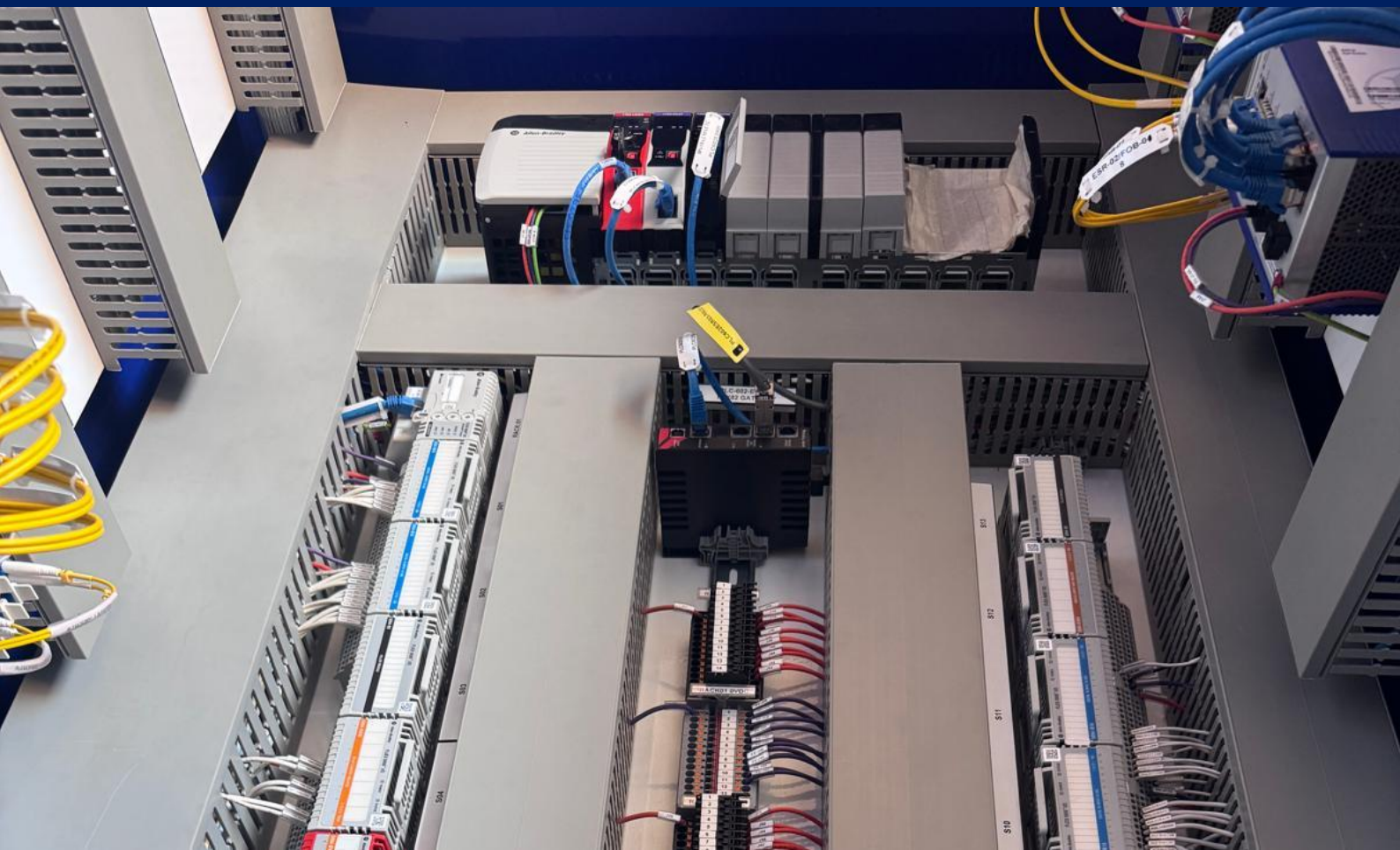
BIIG ENERGY

FINEST ENGINEERING

ENGINEERED FOR RELIABILITY . BUILT FOR HARSH ENVIRONMENTS

PLC and Remote Input Output (RIO) Control Panel

2026



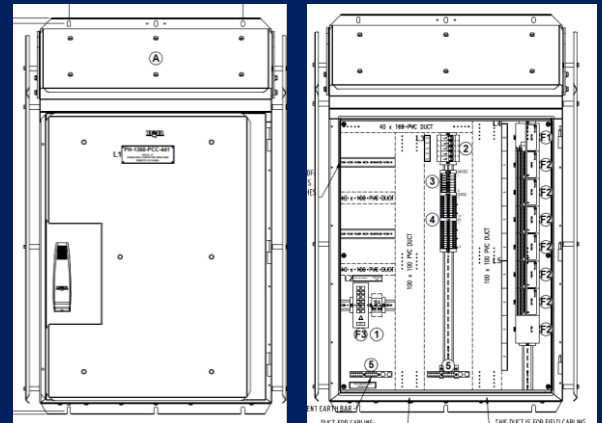
Custom made to suit your project requirement**PLC and Remote Input Output (RIO) Control Panel**

BiigEnergy designs and manufactures high-quality PLC Control and RIO Panels for industrial automation, process control and equipment monitoring applications. Our panels are engineered to provide reliable operation, clear system control and seamless integration with field instruments, motors, drives, remote I/O systems and plant communication networks. From standalone machine control panels to complex process automation systems, every solution is customized to suit the project specification, operating environment and client control philosophy.

Enclosure	Gland Plate	Machine formed and welded, C/W Sun shields
	Cable Entry	Bottom
Material	Cabinet	1.6 mm 316 grade stainless steel (minimum thickness)
	Doors	1.6 mm 316 grade stainless steel (minimum thickness)
	Escutcheons	1.6 mm 316 grade stainless steel (minimum thickness)
	Equipment Panels	1.6 mm 316 grade stainless steel (minimum thickness)
Degree of Protection	Ingress	IP66
	Segregation	Form 1, AS/NZS 61439.2:2016
	Door Seal	TESA 4773, 21 × 6 mm PVC/nitrile closed-cell foam, suitable -28°C to 79°C
	Gland Plate Seal	TESA 6023, 12 × 3 mm medium-hard PVC closed-cell foam, suitable -35°C to 90°C
Wiring	Power Colours : 400/230 V AC	Phase: Red, White, Blue; Neutral: Black
	Control Colours : 230 V AC	Active: Red; Neutral: Black
	Control Colours : 48 V DC	Positive: Grey; Negative: Black
	Control Colours : <32 V DC	Positive: Orange; Negative: Purple
	Volt Free	White
	Instrument	White
Finish	Cabinet & Doors	No. 4 polished finish
	Panels	No. 4 polished finish
Colour	Cabinet	Stainless
	Doors	Stainless
Labels	Material	Trafolytte
	Fixing – External	Stainless steel screws
	Fixing – Internal	Double-sided tape
	Fixing – Internal DIN Rail Components	Double-sided tape with label holder 5022805
	Colouring – Standard Labels	White with black engraving, W.B.W.
	Colouring – Warning, Danger and Main Switch Labels	Red with white engraving, R.W.R.
Equipment		Installed as per Design drawings and specifications. Most popular PLC used in Australian Mining industry - Allen Bradley Logix 5000 series Controllers and Flex 5000 - Siemens SIMATIC S7-1500 series - Schneider Electric Modicon M580 series

Industries We Serve

- ☐ Mining & Mineral Processing
- ☐ Oil, Gas & Energy
- ☐ Bulk Materials Handling
- ☐ Water & Wastewater Infrastructure
- ☐ Industrial & Commercial Facilities



**Contact us for an
obligation-free quote
tailored to your project
requirements.**

**BIIG
ENERGY**
FINEST ENGINEERING

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Design and Built Philosophy

BiigEnergy PLC and RIO panels are designed to provide safe, reliable, and operator-friendly field control for industrial equipment in harsh Australian environments. The design philosophy is centered on personnel safety, functional simplicity, durability, and compliance, ensuring that operators can start, stop, isolate, and monitor equipment with confidence.
