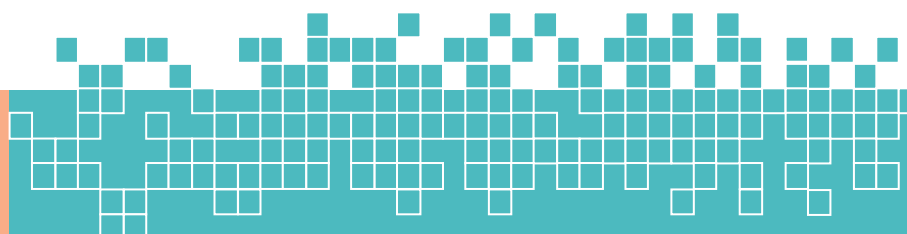


Technical Training & Skills Development

Module Overview

Risewise Power Skills offers advanced, hands-on electrical and power systems training tailored for engineers, technicians, and craftsmen. Our courses blend rigorous theoretical foundations with real-world, lab / field practice so that participants become immediately effective in industrial settings.

Module	Description
Power Systems Fundamentals	Basics of generation, transmission, distribution, system stability, load flow
Protection & Relays	Protective relaying principles, relay coordination, testing & commissioning
Switchgear & Substations	Design, operation, maintenance of switchgear, breakers, transformers
Power Quality & Harmonics	Analysing distortions, mitigation, measurement techniques
Electrical Maintenance & Troubleshooting	Preventive & predictive maintenance, fault diagnosis, corrective strategies
Energy Efficiency & Management	Methods to optimize electrical energy use, audits, retrofits
Safety & Standards	Electrical safety, regulations, compliance, lockout-tagout
Renewable Integration	Grid connection of solar, wind, storage, hybrid systems
Instrumentation & Control	Sensors, SCADA, PLCs, control circuits in power systems
Testing, Commissioning & Diagnostics	Onsite testing, commissioning checklists, fault simulations





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Delivery

- **Onsite / In-plant training** — training delivered at the client’s facility (equipment, context).
- **Hands-on laboratories / workshops** — use of simulators, real equipment for exercises.
- **Modular / Flexible scheduling** — short modules, evening / weekend slots.
- **Blended learning / theory + field** — combining classroom, virtual, and field tasks.

Target Audiences

- Entry-level technicians / apprentices
- Mid-level technologists / engineers
- Senior engineers / technical leads
- Custom training for corporate teams / maintenance crews

Outcomes & Certification

- Certificate of completion
- Practical projects / assessments
- Capability to perform tasks independently in real systems