

HV & LV maintenance for Critical Infrastructure

"From Risk to Resilience"

CAPABILITIES

AMI Projects provides comprehensive installation and maintenance services for both High Voltage (HV) and Low Voltage (LV) distribution equipment.

We specialise in system upgrades, routine maintenance, condition reporting, and fault finding, ensuring the highest standards of service across HV switchgear, LV distribution systems, and complete electrical inspection and testing.

Our experienced team ensures full compliance with industry regulations and best practices, offering reliable, efficient, and safety-focused electrical solutions.

THE DELIVERABLES

- Strategically plan maintenance to minimise network disruption and ensure seamless operations.
- Develop comprehensive, optimised maintenance schedules based on the importance of equipment and operational needs.
- Prepare detailed maintenance documentation in full compliance with relevant industry standards and regulations.
- Carry out advanced Partial Discharge Testing to proactively identify insulation defects and prevent failures.
- Conduct complete functional testing of network protection systems to ensure fault response capability.
- Undertake routine inspection and maintenance of distribution transformers to ensure reliable performance.
- Upgrade and commission High Voltage (HV) switchgear, ensuring compliance with current standards and verified performance.
- Enhance and test Low Voltage (LV) distribution switchgear to improve safety and optimise power distribution efficiency.

CHALLENGES & SOLUTIONS

Power is vital for uninterrupted network operations, and unplanned shutdowns can cause significant disruptions to daily activities.

To minimise such impacts, we meticulously plan and coordinate all shutdowns, ensuring maintenance can proceed with minimal effect on operations. This includes strategic switching and phased work to maintain power in critical areas while the network is being serviced. Special emphasis is placed on critical infrastructure, where power loss could have severe operational consequences. Additionally, we prioritise proactive stakeholder management, ensuring all affected parties are kept informed and involved throughout the process, enabling smooth coordination and timely resolution of any issues.

