



# Service Solutions

Improving the performance, quality  
and efficiency of electrical systems

# Taking actions on what matters

Power quality and energy management are fundamental to the reliability and availability of the power network. They directly affect productivity, profitability, and compliance with regulations. As a matter of fact,

effective solution design is one of the most technical challenging aspects of any electrical analysis, and the basis to ensure optimal asset utilization and operational performance.

Switchgear International's in-depth knowledge of power quality and energy management means we can offer comprehensive service solutions to address every customer need.

## Your Benefits

- ✔ Power dependability and availability
- ✔ Optimum energy consumption
- ✔ Best operational efficiency
- ✔ Savings on operational costs
- ✔ Visibility and facility management under one Energy Efficiency Dashboard
- ✔ Compliance with industry standards and regulations
- ✔ Personnel and assets safety



## Why Switchgear International

100% Qatari owned

Certified EcoXpert™ LV Panel Builder  
by Schneider Electric

Certified EcoXpert™ Power Services Master  
by Schneider Electric

Proven experience in Qatar since 2006

5,700 SQM manufacturing facility

In-Country Value by Tawteen (score 8.89)

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018



# We prioritize customer satisfaction

Field Services / Power Quality Assessment / Modernization  
Service Plans / Maintenance & Support / Digital Transformation



## Field Services

Including a breadth of services from installation, modification, testing and commissioning assistance, to facility assessment, renovation and revamp of the installed base. Field services also cover regular maintenance of critical system and components, design verification and network calculation analysis. We conduct our field services in accordance with the method statement approved by the client and ensure proper PPE safety measures.

**Improve operational efficiency with services tailored to your specific needs.**



## Service Plans

Designed to continually meet the dynamic and changing needs of your business and facility, and customized to suit your requirements. Choose between the Annual Maintenance Service Contract (AMC), Quarterly Maintenance Service Contract (QMC), and Planned Preventive Maintenance Contract (PPMC). The **AMC & PPMC Plans** are comprehensive yearly programs where our technicians conduct a detailed checkup and test each panel mechanical and electrical performance. The **QMC Plan** ensures a regular check at every quarter interval to prevent major break down or interruptions and save the equipment before it reaches the end of its lifecycle. Benefit from continuous customer support, optimum safety, reduced risk of system failure and extended warranties\*.

**Choose peace of mind and entrust servicing your assets to the builder of the original equipment.**

*\*On company manufactured original equipment.*



## Power Quality Assessment

Our expert engineers will help you with the health check of your electrical network or facility, and will conduct an Electrical Risk Management Assessment and a Total Energy Management Assessment compliant with International Standards IEEE STD 519-2014. Power Quality Analysis is an exhaustive exercise to assess the existing scenario of the electrical network, identify potential power quality issues and suitable solution design, to preempt any future failures ultimately ensuring uninterrupted operations and minimum downtime.

### Total Energy Management Assessment

The study covers (1) power quality (2) energy consumption (3) transformer efficiency (4) thermography (5) boiler (6) HVAC

### Electrical Risk management Assessment

The study covers (1) electrical safety (2) relay and release coordination (3) electrical fire risk management.

**Mitigate risks with an effective electrical analysis.**



## Maintenance & Support

Keep your facility running by reducing downtime, planning maintenance operations, preventing failures, and identifying automation issues. We offer technical support and on-site expert assistance to enhance and repair installed electrical switchgear as well as upgrade, reconfigure and test the automation system. We promptly address any trouble shooting and conduct a Root Cause Analysis. Accordingly, we provide three types of spare parts; start up spares, critical spares and consumables.

**Start-up spares:** recommended fuses, switchgear, control gear and automation parts available during commissioning.

**Critical spares:** backup parts that may cause a system shutdown upon failure. It is recommended that clients stock a set of parts on-site to help with timely troubleshooting and repair.

**Consumables:** parts for components with a limited operational life that require replacement at specific intervals as preventive maintenance.

**Ensure power availability and reliability and anticipate any issues.**



## Modernization

With ECOFIT™ LV switchboard modernization solution from Schneider Electric, you can update your switchgear with pre-engineered retrofit for LV circuit breakers, contactors and protection relays. We will execute an upgrade strategy to keep your facility operating at an optimum level, and help you:

- Reduce breakdowns and trouble-shooting and related maintenance costs,
- Apply the latest technology in automation and digitization,
- Mitigate risks related to shortage of spare parts and obsolescence,
- Meet new business needs not supported by the current system.

**Extend the life of your assets with minimal shutdown.**



*Courtesy of Schneider Electric*



## Digital Transformation

The EcoStruxure™ platform from Schneider Electric puts power and energy intelligence at your fingertips. With its built-in intelligence, it empowers you to turn data into action to make facilities safer, more reliable, connected, efficient, and sustainable. Fundamental in driving digital transformation for facilities looking to promote interconnectivity, EcoStruxure™ offers three levels of innovation – connected products, edge control, and apps & analytics services.

**Enable smart operations from preventive to predictive maintenance.**



# Services reference

## Public Sector

Mega Reservoir Umm Slal

Kahramaa Substations

Ministry of Education MOEHE (42 Schools)

## Infrastructure

Hamad International Airport

Lusail Light Rail Transit (LRT)

Lusail Stadium

974 Stadium

Epic Cooling Seawater System

## Industrial

Es'hailSat Teleport

Baladna Dairy Plant

Quantum Switch Data Centre

QAPCO Chlorination Plant

Qatar Energy CCSS - Phase 3 (RLIC)

## Commercial

World Trade Center Doha

QP District West Bay

Mall of Qatar

Doha Oasis

## Hospitality

Al Rayyan Hotel by Hilton

Kempinski Marsa Malaz Hotel

Kempinski Residences & Suites

Al Samriya Hotel by Marriott

## Healthcare

Hamad General Hospital

Hazm Mebarek General Hospital

Workers Hospital

Enayah Specialized Care Center

HMC Heart Hospital





## Next steps

Choose the options that meet your specific needs and requirements, and we will customize them for your business.

Our team of expert engineers will work with you on the most effective solution for your facility.

Let's get started.

Get in touch with us at

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Switchgear International is a Certified EcoXpert™ LV Panel Builder by Schneider Electric in Qatar and authorized to design, assemble, test, and supply low voltage power distribution switchboards and motor control centers since 2006.

Switchgear International is a Certified EcoXpert™ Power Services Master by Schneider Electric and an ISO certified Qatari owned company.

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