



ADVANCED POWER SWITCHGEAR CO. LLC

MEDIUM VOLTAGE & LOW VOLTAGE SWITCHGEAR MANUFACTURER

SIVACON

Technology
Partner

SIEMENS

SIMOPRIME

Technology
Partner

SIEMENS

EATON
AUTHORIZED
Panelbuilder

We are pleased to introduce M/s. **Advanced Power Switchgear Company LLC. (APSCO)** as one of the leading organizations in the Sultanate of Oman in the field of LV Distribution Systems. Its Manufacturing unit and Sales & Marketing office are located in Muscat, Sultanate of Oman. Its main business activity involves Design, Manufacture, Sales and Marketing of LV **SIVACON®** switchboards under license of **Siemens**, and **X-Energy, X-Power, X-Board** under license of **EATON**, MV Switchgears **SIMOPRIME & SIMOSEC** under the licence of **Siemens**. APSCO Switchboards are backed up by Siemens & EATON which are well known around the globe for its excellent quality and reliability.

APSCO Postal address :

Advanced Power Switchgear Company LLC.

P.O.Box 248, Rusayl,

Postal Code 124,

Sultanate of Oman

Tel : + (968) 2444 6459

Fax : + (968) 2444 6460

E-mail : info@apsco-oman.com

Web Add. : www.apsco-oman.com

The Sales & Marketing team works in close coordination with the Customers and provides comprehensive services and solutions from Product information to after-sales service.

The top quality components and raw material procured from QC qualified vendors provides stringent quality standards and offer effective solutions with an aim for absolute Customer satisfaction.



To maintain quality assurance, Advanced Power Switchgear Company LLC. adheres to stringent quality norms and ensures that job requirements are fully understood and performed as per defined procedures at all times. The process of stage inspection and final inspection ensures consistent quality products meeting customer specifications and requirements.

We are the Licensed SIVACON & X-Energy Franchise Partners of Siemens & EATON, and are authorized to Manufacture and assemble Low Voltage Switchboards in the Sultanate of Oman.

All enclosures and busbar systems that we use have been type tested by our Principals at leading independent test labs in the world.

We have a full-fledged in house design and engineering team equipped with state of the art, E Plan & Electrical Auto CAD Systems. We have a highly skilled labors force most of which have spent several years in the switchgear industry. We have constantly upgraded our design capabilities to keep in line with improvements in Low Voltage Switchgear assemblies / Products.



PRODUCT RANGE

L.V. SWITCHGEAR :

- Switch boards :
 - a) Power distribution switchboards SIVACON & X-Energy Compartmentalized Form-IV construction as per IEC standards in Fully Draw-out and Fixed construction using Siemens & EATON technology.
 - b) Cubicle type of Form-II construction using Siemens & EATON as per IEC standards.
 - c) Non-compartment construction using Siemens & EATON as per IEC standards.
- Motor Control Center (MCC) / Power Control Center (PCC) in Fully withdrawable & Fixed construction as per IEC standards.
- MCCB / MCB Distribution Boards as per IEC standards.
- Auto Synchronizing / Auto Load Sharing DG Control Panels.
- Auto Mains Failure (AMF) Control Panels.
- PLC Control Panels for Master & Slave Controls.
- SCADA Control System.



- Variable Speed Drive Panels.
- Automatic Power Factor Correction Panels.
- Harmonic Filter Panels.
- Relay & Control Panels.
- AC & DC Distribution Boards, AC/DC converters and DC/DC Power Packs as per PDO standards.



SIVACON S8



xEnergy System

MV SWITCHGEAR :

- SIMOPRIME Switchgear upto 31.5 kA – 7.2, 12, 17.5 & 24 kV
- SIMOPRIME Switchgear upto 40 kA – 7.2, 12, 17.5 & 24 kV
- SIMOSEC Ring-Main Panel types R, R1, R (T) – 7.2, 12, 17.5 & 24 kV
- SIMOSEC Ring-Main Panel types K & K1 – 7.2, 12, 17.5 & 24 kV
- SIMOSEC Transformed Panel types T, T1, T(T) – 7.2, 12, 17.5 & 24 kV
- SIMOSEC Disconnecter Panel types D1, D1(T) – 7.2, 12, 17.5 & 24 kV
- SIMOSEC Circuit Breaker Panel types L1, L(T), L1(T) – 7.2, 12, 17.5 & 24 kV



**SIMOPRIME
SYSTEM**



**SIMOSEC
SYSTEM**

Ex. RATED ENCLOSURES :

- Explosion proof Distribution Panels - Exd IIB+H2
- Explosion proof Local Control Stations - Exd IIB+H2
- Explosion proof Terminal Box, Junction Box – Exd IIB+H2
- Explosion proof Stainless Steel Enclosures- Ex e IIC Gb
- Ex-d rated Light Fixtures-



COPPER BUSBAR :

- Tin Plated Copper Flat Busbars – various sizes.



MANUFACTURING SPECIFICATIONS

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CONFORMANCE TO VARIOUS STANDARDS

SIVACON & X-Energy are fully type tested switchboards conforms to BS as well as IEC Standards. The Enclosures, Switchgear and the components are selected to achieve the design of performance and quality to facilitate easy maintenance and reliable operation. All materials are complying with the relevant specifications. The relevant conformations are given below.

CONFORMANCE TO VARIOUS STANDARDS :

KWH meters	BS 5685 / IEC - 521
Current Transformers	BS 3938 / IEC - 185
Max. Demand Indicators	BS 89 / IEC - 51
Low Voltage Switchgear Panel	BS 5486 / IEC 439-1
Busbars and Busbar Connections	BS 159 - 1972
Direct Acting Electrical Indicating Instruments	BS 89
Circuit Breakers ACB / MCCB	BS 4752 / IEC - 947-1,2
PVC Insulated Cables for Switchgear / Control gear wiring	BS 6231 - 1981
Switches, Isolators, Changeover switches & By-Pass switches.	BS 5419 / IEC - 408
Contactors, Control Relays, Timers & Thermal Overload Relays	IEC - 947
Degree of Protection for Enclosures	IEC - 529

TESTING FACILITIES

Routine tests:

- Mechanical / Electrical functional tests
- Painting plating thickness measurements
- Power frequency tests
- Verification of Insulation Resistance (Di-electric test)
- Continuity test
- Primary Injection current up to 3000 A
- Torque tests

PRODUCT CERTIFICATION

- SIVACON S8 & SIVACON® 8PT- Type tested as per IEC 61439-2 & IEC/TR 61641
- SIMOPRIME – Tested as per IEC 62271-200
- SIMOSEC – Tested as per IEC 62271-200 & GB 3906
- xENERGY – Type tested as per IEC 61439-2 & IEC/TR 61641
- Explosion proof – Tested as per IEC 60079-0,1,7 & IEC 60529

CLASSIFICATION AND STANDARD

STANDARD	ACTIVITY FIELD
IEC 61439-1, 2 & IEC/TR 61641	Low voltage switchboards
IEC 298, IEC 694, IEC 62271, GB 3906	Medium voltage switchgears
IEC 60079-0, 1, 7 & IEC 60529	Ex-d Enclosures & Junction box
ISO 9001-2015 edition	Management & Quality system

SOFTWARES USED

* SOFTWARE USED AT THE ELECTRICAL DESIGNING SECTION:

1. SIMARIS® SIVACON® Software (Design SIVACON® Switchboard of SIEMENS Co.)
2. EATON CONFIGURATOR X-Energy for EATON Switchboards
3. EPLAN® (Electrical and Control Wiring Design & Drawing)
4. WINSICO START® (Simulator & Programmer of SIEMENS soft starters)
5. PLC LOGO (Programming SIEMENS LOGO)
6. AUTOCAD (Design)

* SOFTWARE USED FOR OTHER SECTION:

1. MICROSOFT office
2. MICROSOFT ACCESS
3. M.S PROJECT

TESTING EQUIPMENTS

EQUIPMENT	DESCRIPTION	QUANTITY
Current Injection	Current Injection up to 2500 A Voltage Injection up to 250v AC / DC	1SET
Multi tester	Megger test Current leakage test Dielectric test	1SET
LV tester up to 5 - kv	Function test Over current test	1SET
Torque meter	Measurement Torque	4SET

GUARANTEE AND AFTER SALES & SERVICE

GUARANTEE:

We stand Guarantee for the performance of the panel supplied by APSCO for a period of 12 months from the date of commissioning or 18 months from the date of supply whichever is earlier provided the panel is maintained and operated by authorized personnel. Extended Guarantees also available.

AFTER SALES & SERVICE :

The choices of components leave us with little scope for any problem after sales. However, being local manufacturers, trained Engineers / Technicians are available at very short notice to attend any service or trouble shooting supplemented by expert consultancy on site adaptations. We hold inventory of components of approximately four months production, making spares availability, a ready feature.

"APSCO" IS ONE OF FEW LOCAL REDEEMED CHOICES FOR ELECTRICAL DISTRIBUTION AND HAS BUILT NAME BY PROMPT SERVICE. SHOULD WE BE GIVEN A CHANCE, WE CAN NO DOUBT LIVE UP TO THE EXPECTATIONS. LOOKING FORWARD TO THE PLEASURE OF SERVING YOU,

We Remain,

Advanced Power Switchgear Company LLC.

Mohammed Siddiqi
CEO

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Mobile: +968 99477560

Website: <http://www.apsco-oman.com>

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CERTIFICATE of Registration



*This is to Certify that the
Quality Management System
of*

ADVANCE POWER SWITCHGEAR COMPANY LLC

ROAD NO. 8, RUSAYIL INDUSTRIAL AREA, P.O. BOX : 248,
PC BOX : 124 MUSCAT, SULTANATE OF OMAN

**has been independently assessed and is compliant
with the requirements of**

ISO 9001:2015

This Certificate is applicable to the following product or service ranges:

**DESIGN AND MANUFACTURING OF LOW AND MEDIUM
VOLTAGE SWITCHGEAR AND CONTROL PANELS.**

:: Certificate No :: OM51577A

Date of initial registration 28 February 2020

Date of this Certificate 28 February 2020

Surveillance audit on or before 27 February 2021

Recertification Due / Certificate expiry 27 February 2023

**This Certificate is property of Staunchly Management & System Services Ltd. and remains valid
subject to satisfactory surveillance audits.**

Director



STAUNCHLY MANAGEMENT & SYSTEM SERVICES LTD.

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SMS/F109A/17/REV02

For precise and updated information concerning the present certificate mail to info@staunchlyservices.com

This Certificate is the property of Staunchly Management & System Services Private Limited and shall be returned immediately when demanded

MAJOR PROJECT REFERENCES



ROYAL OPERA GALLERIA



GU TECH



DHOFAR BEACH RESORT



RAMADA, QATAR



AL MUZN MALL



SHIP MALL



QURM CITY CENTER-PHASE II & III



MUSCAT CITY CENTER- PHASE II



SHINAS MOSQUE



SOHAR SWIPS



SUMAIL INDUSTRIAL ESTATE-STP



VA Tech & WABAG STP- BAHRAIN



BIDBID PUMPING STATION



GULF COLLEGE



DUQM PORT-ROYAL YACHT BERTH