

ECS Product Catalog

Comprehensive Solutions

Comprehensive Electrical Solutions Across
Every Sector

About This Document

ECS delivers end-to-end electrical engineering solutions — from design and manufacture to installation and maintenance — serving oil & gas, chemical, mining, healthcare, water, buildings, food & beverage, paper & pulp, and automotive industries across the Kingdom of Saudi Arabia.

Complete Product Range & Technical Specifications

Industries Served:

- Oil & Gas
- Mining & Metals
- Water & Wastewater
- Food & Beverage
- Automotive
- Chemical
- Healthcare
- Buildings & Infrastructure
- Paper & Pulp
- Cement & Glass

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Product Highlights

- Main Low Voltage Switchboards (MLVS) up to 6300 A
- Motor Control Centers (MCC) with VFD & soft-starter options
- Distribution Boards (DB / FDB / SDB) for all applications
- Bus duct & busbar trunking systems
- Hazardous area panels — ATEX / IECEx Zone 1 & 2
- Process control panels with PLC/SCADA integration
- Automatic Transfer Switches (ATS) & generator synchronizing
- Power factor correction and harmonic filtering systems
- Custom enclosures: GRP, SS316, powder-coated mild steel
- Cable management, earthing, and surge protection systems

Our Services

Engineering Design	Single-line diagrams, panel schedules, load flow analysis
Manufacturing	ISO 9001:2015 certified Riyadh factory
Factory Testing	Full dielectric, functional & insulation tests (FAT)
Installation	Site installation, cable termination & commissioning
After-Sales	Spare parts, PM contracts, emergency breakdown response

ECS manufactures all panels in our ISO 9001:2015 certified Riyadh factory. Every panel undergoes factory acceptance testing (FAT) before dispatch. Our in-house engineering team provides full lifecycle support — from design, through installation, to ongoing maintenance across all industries.

Technical Specifications

Voltage Range	LV up to 1 kV / MV up to 33 kV
Rated Current	Up to 6300 A
IP Ratings	IP31 – IP69K (application-specific)
Enclosures	Mild steel, SS304/316L, GRP, ATEX
Certifications	IEC 61439, ATEX, IECEx, CE, SASO
Standards	IEC, SASO, SBC 401, SAES, NFPA
Factory	Riyadh, Kingdom of Saudi Arabia
Lead Time	4–16 weeks depending on complexity