

ECS Case Studies

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.

Proven Results Across Every Industry

Industries Served:

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

The following projects highlight ECS's track record of delivering successful electrical solutions across key industry sectors in the Kingdom of Saudi Arabia.

OIL & GAS

2024

Aramco Gas Compression Station — Eastern Province

Scope: 6 x MCC panels and 2 x main distribution boards

- 99.97% uptime in first 12 months; zero safety incidents

HEALTHCARE

2024

King Fahad Medical City Expansion — Riyadh

Scope: Medical IT panels, ATS systems and EES distribution for 3 new hospital wings

- CBAHI accreditation achieved; 100% essential power uptime since handover

BUILDINGS

2024

Mixed-Use Tower — King Abdullah Financial District, Riyadh

Scope: Main LV switchboard, floor distribution & tenant sub-metering (45 floors)

- LEED Gold certification supported; all snagging cleared within 5 days

WATER & WASTEWATER

2023

Desalination Plant Phase 3 — Red Sea Coast

Scope: Main LV switchboard and 14 pump MCC panels for 50 MGD expansion

- Met SWCC specifications; commissioning completed on schedule

FOOD & BEVERAGE

2023

Dairy Processing Plant — Hail Region

Scope: IP69K washdown panels and HACCP-compliant MCC for pasteurization lines

- Saudi SFDA audit passed; cleaning cycle time cut by 40%

AUTOMOTIVE

2023

Assembly Plant — King Abdullah Economic City

Scope: MCC panels, busbar trunking, and robotics power distribution

- Production line energized 2 weeks early; zero commissioning defects

For detailed project references or to discuss your specific requirements, contact our team: info@ecsksa.com | www.ecsksa.com | +966 11 XXX XXXX