



Fawaz Alfahmi

Senior Leader – Power Systems, Distribution Networks & Control Center Operations

Led end-to-end operations of one of the largest and most complex distribution networks in the Western Region, serving 850,000+ customers across 32,000 km², supported by 100+ HV/MV grid stations, 3,000+ feeders, and over 40,000 distribution transformers—ensuring reliable power delivery for a population exceeding 2 million residents.

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📍 Mecca, Saudi Arabia

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📅 December 21, 1984

WORK EXPERIENCE

Manager , Mecca Distribution Control Center Saudi Electricity Company

01/2021 - Present

Mecca

Tasks

- Control Center Leadership & Operational Governance for more than 14 years.
- MV/LV Network Planning, Operation & Maintenance
- High-Reliability Operations (SAIDI/SAIFI Improvement)
- Crisis & Emergency Response Management
- Utilized SCADA/ADMS for real-time monitoring and switching operations.
- Strategic Planning & Continuous Operational Improvement
- Directed major seasonal operational plans (Ramadan, Hajj, emergencies).

Section Head, Operation Saudi Electricity Company

01/2020 - 12/2020

Mecca

Tasks

- Led and optimized a workforce of 80+ operators, strengthening field execution, operational readiness, and response capability across the region.
- Identifying and reporting network elements requiring maintenance or operational upgrades.
- Oversaw the approval, commissioning, and integration of new stations, transformers, and operational assets across the distribution network.
- Designed and delivered operator development programs, strengthening safety compliance, operational capability, and technical readiness.
- Enhanced organizational safety performance through targeted HSE awareness and compliance oversight.

Senior Electrical Engineer (Distribution Control Center) Saudi Electricity Company

12/2011 - 12/2019

Mecca

Tasks

- Led distribution control shift teams, elevated control-room performance, and ensured strict compliance with operational and safety standards in high-criticality environments.
- Fast restoration of services during network outages.
- Reviewing maintenance and new-network program requests, developing optimal operational scenarios, and approving final execution plans.
- Developed blackout and restoration plans.
- Coordinated with VIP customers and major stakeholders.
- Conducted analysis of outage scenarios, generators, UPS/ATS integration.
- Produced high-quality operational and analytical reports.

EDUCATION

Electrical Engineering UQU graduated 2010

SKILLS

SCADA / ADMS Operations

MV/LV Network Control & Switching

Blackout/Restoration Strategy

Operational Excellence & KPIs

Problem Solving & RCA

People Leadership & Coaching

SAP – GIS – Microstation

TRAINING CERTIFICATES

Advanced Financial Analysis (2025)

SDCC Project FAT at NARI Company (2025)

PMP (2023)

Emergency Crisis & Management planning (2023)

NEBOSH HSE CRTFC IN PROCESS SAFETY
MANAGEMENT (2022)

TOT (Training Of Trainers) (2021)

Medium Voltage Network-13.8kV (improvement) (2019)

Coaching, Counseling & Mentoring Skills (2016)

Electrical Diagrams, Calculation of Malfunctions &
Documentation (2016)

Transformer Operation & Maintenance (2014)

Distribution KPI Awareness (2013)

The Seven Habits of Success (09/2012 - 09/2012)

Mayars' Model For Analyzing The Types Of Personality
(04/2006 - 04/2006)

ACHIEVEMENTS

□ Led end-to-end operations of one of the largest distribution networks in the Western Region, serving 850,000+ customers across 32,000 km² with 100+ grid stations, 3,000+ feeders, and 40,000+ transformers.

□ Directed the Holy Sites Distribution Control Center for 5+ years, ensuring incident-free, high-reliability operations during peak Hajj seasons.

□ Delivered consistent improvements in SAIDI/SAIFI, accelerated service restoration, and reduced outage durations year over year.

□ Spearheaded the New Makkah Control Center Project, achieving operational readiness and successful commissioning. (05/2019 - 11/2022)

□ Played a strategic role in establishing advanced Smart Distribution Control Centers, enabling higher automation, reliability, and operational intelligence. (09/2025 - Present)

□ Automated 10,000+ electrical assets, significantly improving network visibility, reliability, and switching efficiency. (01/2022 - Present)

□ Built high-performance operational teams with strong technical capability.

□ Enhanced control-center monitoring efficiency and strengthened operational response in mission-critical environments.

MEMBERSHIPS

Professional Engineer
Saudi Council of Engineers

Board Member
Social Development Committee in Sharia

VOLUNTEER ACTIVITY

Volunteer Work Supervisor
Social Development Committee in Sharia
01/2018 - Present

President of Engineering Club
UQU
02/2007 - 04/2009

LANGUAGES

English
Professional Working Proficiency

Arabic
Native or Bilingual Proficiency