

FAHAD BEDAIWI

Electrical Engineer | Production, Delivery and Project Engineering

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PROFESSIONAL SUMMARY

Electrical Engineer with hands-on experience across production engineering, project delivery, field engineering, and industrial operations within large-scale manufacturing and Oil and Gas environments. Skilled in production execution, contractor coordination, progress tracking, manpower planning, workflow improvement, technical troubleshooting, HSE compliance, and operational reporting.

Experienced in supporting shipbuilding and offshore project operations, including daily and weekly progress tracking, manpower coordination, workflow improvement, and operational issue resolution. Field experience includes installing, calibrating, testing, and troubleshooting MWD tools across approximately 40 onshore rig jobs while maintaining over 98% downhole data reliability.

CORE COMPETENCIES

Production Engineering | Project Delivery | Project Coordination | Operations Engineering | Flat Block Assembly | Contractor Coordination | Manpower Planning | Workflow Improvement | Resource Coordination | Progress Tracking | Daily and Weekly Reporting | Field Engineering | Electrical Systems | MWD Tools | Testing and Commissioning Support | Technical Troubleshooting | Root Cause Analysis | Quality Control | HSE Compliance | Technical Documentation | Stakeholder Coordination | Data Monitoring and Analysis

PROFESSIONAL EXPERIENCE

Production Engineer

International Maritime Industries - IMI | Jul 2024 - Present

- Coordinate production and operational execution across Zone C, covering 9 shops, including Flat Block Assembly activities within shipbuilding and offshore project operations.
- Act as a coordination point between Safety, Procurement, Asset Management, Project Management, contractors, and operations teams to support daily execution and production continuity.
- Monitor daily and weekly progress across assigned Zone C activities, tracking manpower availability, execution status, operational constraints, and workflow performance.
- Support project delivery activities by coordinating contractor work, manpower requirements, resource needs, and cost-related operational inputs.
- Improve workflow efficiency by reducing waiting time, resolving manpower gaps, and supporting better resource allocation across production areas.
- Identify production bottlenecks, escalate constraints to relevant departments, and follow up on corrective actions to minimize delays.
- Prepare daily and weekly production updates to support progress tracking, planning decisions, issue escalation, and management reporting.
- Follow HSE procedures, safety requirements, quality standards, project priorities, and operational procedures across assigned production activities.

Electrical Engineer

National Energy Services Reunited - NESR | Jul 2023 - Jul 2024

- Installed, calibrated, tested, and troubleshot MWD tools and field electrical systems across approximately 40 onshore rig jobs.
- Maintained over 98% reliability in downhole data transmission through tool readiness, calibration accuracy, system validation, and real-time troubleshooting.
- Diagnosed and resolved data failures, sensor issues, communication faults, and system performance problems under time-critical field conditions.
- Monitored real-time downhole data to support drilling performance, operational decisions, and field optimization.
- Supported programming, configuration, and maintenance activities for MWD tools, embedded systems, and field equipment.
- Prepared technical reports, calibration records, maintenance updates, and corrective action documentation after field operations.
- Collaborated with drilling, operations, and technical support teams to restore equipment performance and ensure reliable job execution.

EDUCATION

Bachelor of Science in Electrical Engineering

Western Kentucky University | Minor: Systems Engineering | Aug 2018 - May 2021

CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT

- Project Management Professional (PMP) Certification - In Progress
- Saudi Council of Engineers - SCE
- OSHA 30-Hour Safety Certification
- Google Project Management Certificate
- Electric Power Systems
- Solar Energy for Engineers

TECHNICAL SKILLS

Electrical and Field Engineering: Electrical Systems, Field Electrical Systems, MWD Tools, Equipment Testing, Calibration, Troubleshooting, Technical Drawings, Quality Control, Testing and Commissioning Support

Project, Production and Operations: Production Planning, Project Delivery Support, Project Coordination, Flat Block Assembly, Operational Planning, Daily and Weekly Progress Tracking, Workflow Improvement, Manpower Coordination, Contractor Coordination, Resource Planning, Material Readiness, Process Optimization, HSE Compliance

Software and Programming: Microsoft Office, AutoCAD, MATLAB, Python, C, C++, PLC Fundamentals, Embedded Systems, Data Analysis

LANGUAGES

Arabic: Native | English: Fluent