



COMPANY PROFILE

www.mobaenergy.com



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About Us

MOBA Energy is an engineering-led electrical solutions company established in 2023 and based in Istanbul, delivering services to both local and international energy and infrastructure projects.

We provide project-based electrical engineering services covering design, execution and independent technical support across the electrical scope of energy facilities. Our capabilities include LV/MV electrical system design, single line diagrams, panel design and assembly coordination, site installation works, testing and commissioning, as well as technical supervision and owner's engineering services.

With more than 15 years of accumulated industry experience, our engineering approach is shaped by strong field exposure combined with solid design and engineering expertise. This integrated perspective enables us to deliver technically robust, practical and site-ready solutions throughout the entire project lifecycle.

Our Approach

We provide electrical engineering, detailed design and site implementation services for energy generation facilities.

Our scope primarily focuses on detailed electrical design and field execution, supporting projects from design development through installation, testing and commissioning. By combining engineering accuracy with practical site experience, we ensure that designs are not only compliant with standards but also efficiently applicable in real project conditions.

Where required, we also support investors and project stakeholders through independent technical input and decision support, contributing to risk-aware and well-informed project execution.

Core Values



Engineering Integrity

We prioritize technical accuracy, compliance with international standards and sound engineering judgment in every project we undertake.



Practicality & Constructability

We develop solutions that are not only technically correct but also practical, efficient and feasible under real site conditions.



Independence & Objectivity

We provide independent and objective engineering judgment based on technical facts, standards and project requirements, supporting sound and well-informed technical decisions.



Accountability & Reliability

We approach every project with a strong sense of ownership, ensuring technical decisions and execution quality are handled with the highest level of care and responsibility.



Our Services

Our services are structured to support energy projects at different stages, ranging from engineering and execution to independent technical oversight, depending on specific project requirements.



Electrical Engineering & Design

Engineering-led LV/MV electrical system design focused on technical accuracy, compliance with standards and constructability.



Electrical Works & Site Installation

Execution of electrical installation works in line with approved designs, site conditions and project requirements.



Electrical Panel Design & Assembly

Project-specific LV/MV electrical panel design and assembly in accordance with IEC standards.



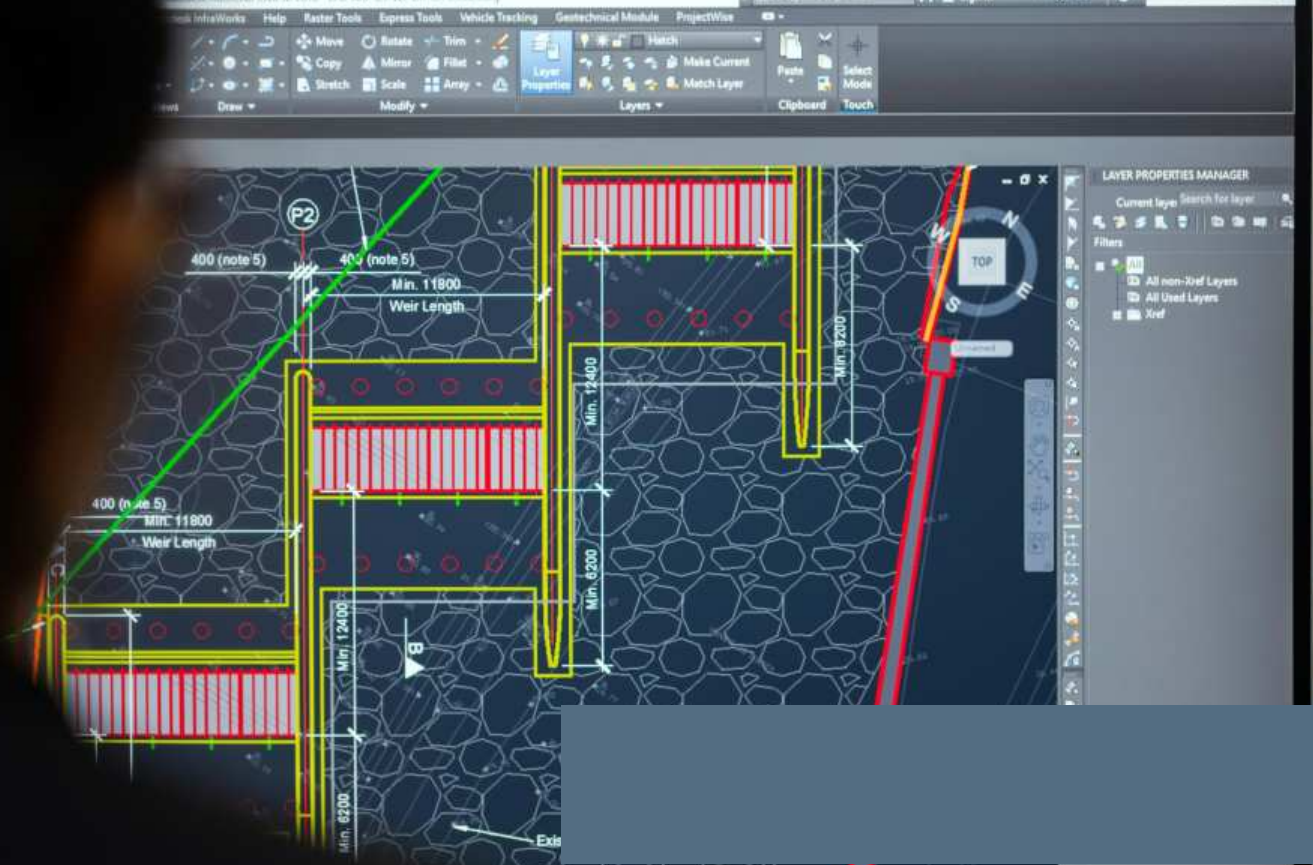
Testing & Commissioning

Testing and commissioning activities to verify system functionality and readiness prior to energization.



Site Supervision & Owner's Engineering

Independent technical supervision and owner's engineering support representing the project owner.



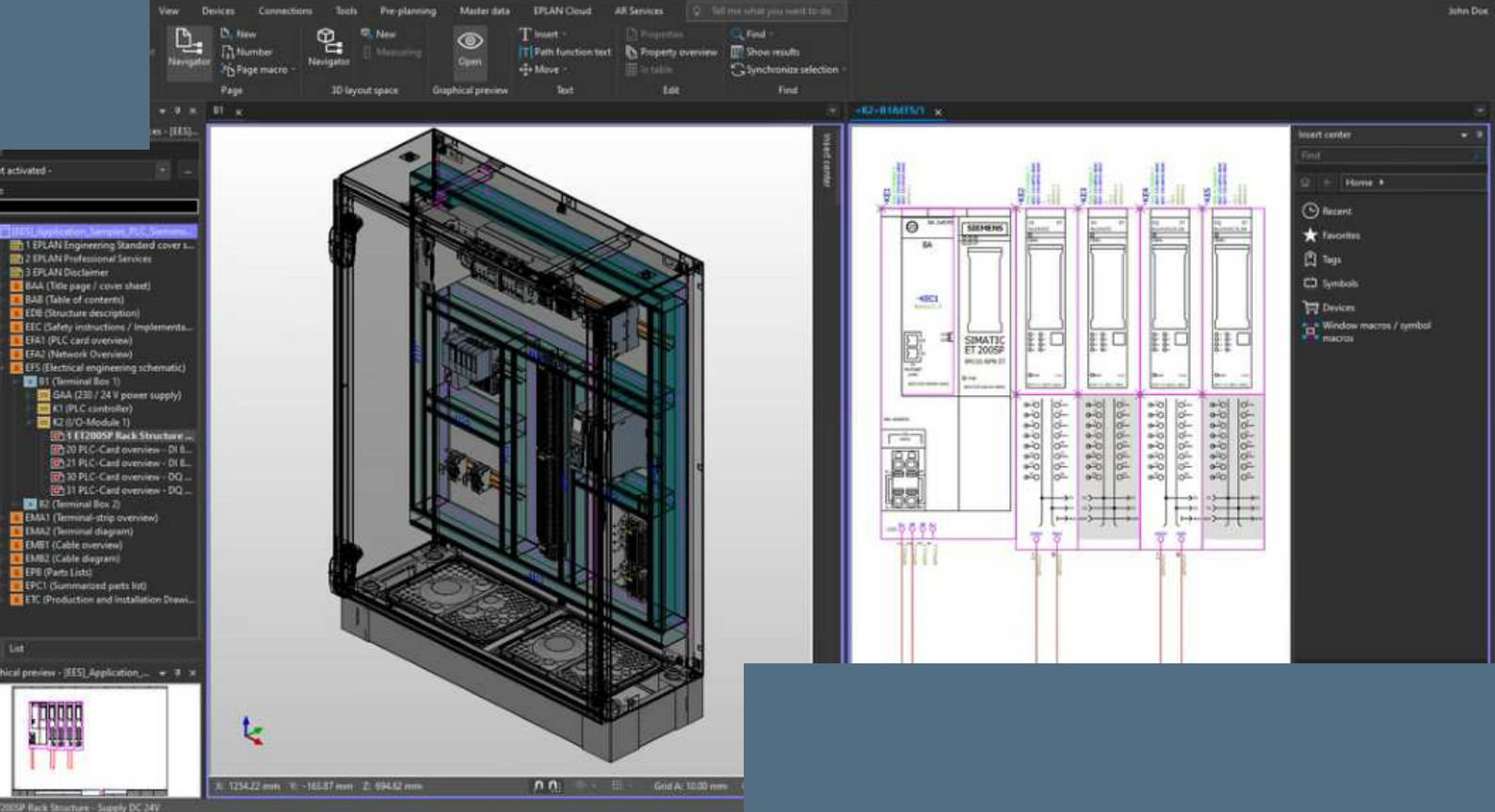
Electrical Engineering & Design

- LV / MV electrical system design
- Single Line Diagrams (SLD)
- AC/DC auxiliary system design
- Equipment sizing and selection support
- Cable sizing and voltage drop calculations
- Cable schedules and termination lists
- Lighting design, calculations and drawings
- ELV / Low current system design and drawings
- Earthing / grounding system design and drawings
- Cable routing / cable tray layout drawings
- MV, LV and control panels layout drawings
- Load lists and equipment lists
- As-built drawing updates



Electrical Works & Site Installation

- Installation of LV, MV and control panels
- Installation of field panels, junction boxes and local control boxes
- Cable tray and cable containment system installation
- Cable laying, pulling and dressing
- MV cable termination works
- LV, control and communication cable termination works
- Installation of lighting systems and fixtures
- Installation of ELV / low current systems
- Earthing and grounding system installation
- Installation of lightning protection system
- Interface coordination with other disciplines
- Installation in accordance with approved drawings and specifications
- Site quality control and installation verification support



Electrical Panel Design & Assembly

- LV, MV and control panel design
- Secondary protection and control panel design
- DC distribution and battery panel design
- Panel general arrangement and layout drawings
- Internal component layout and mounting arrangements
- Bill of materials (BOM) preparation
- Component selection and technical verification
- Mounting of electrical components, internal wiring and connections within panel enclosures
- Terminal identification and labeling
- Interface coordination with equipment and site installation
- Factory acceptance test (FAT) coordination and support
- As-built panel documentation and drawing updates



Testing & Commissioning

- Pre-commissioning inspections and system readiness checks
- Visual and mechanical inspections of installed equipment
- Electrical equipments torque checks
- Continuity and insulation resistance tests
- Functional testing of LV and MV equipment
- Testing of control, indication and alarm functions
- Loop checks for control and monitoring circuits
- Testing of earthing and grounding systems
- Support during equipment energization and commissioning
- Coordination with utilities, vendors and site teams
- Recording of test results and preparation of test reports
- Commissioning support



Site Supervision & Owner's Engineering

- Independent site supervision on behalf of the project owner
- Review of electrical designs, drawings and technical submittals
- Verification of compliance with project specifications and standards
- Monitoring of site installation works and construction progress
- Identification of technical non-conformities and deviations
- Technical clarification support during construction
- Interface coordination between contractors and vendors
- Review of method statements and work procedures
- Verification of testing and commissioning activities
- Participation in site inspections and progress meetings
- Review of as-built documentation

Quality, Safety & Responsibility

Quality and safety are integral parts of how we work, not standalone commitments. Our engineering, site activities and technical oversight are carried out with a disciplined approach that prioritizes technical accuracy, traceability and controlled execution at every project stage.

We take responsibility for our scope by ensuring that work is performed in accordance with approved designs, applicable standards and established site practices. Through structured coordination, clear documentation and disciplined execution, we contribute to reliable project delivery and consistent, high-quality outcomes.



Health, safety and environmental considerations are integrated into our engineering and site activities as part of our professional responsibility.

We follow established site practices and project-specific requirements to ensure that work is carried out in a controlled, safe and environmentally responsible manner.



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