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Mahmoud Abu-Bandora

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- Senior electrical engineer experienced in establishing facilities and leading projects at a national level, expert in renewable energies and energy storage
- Planning and construction of electrical and lighting facilities, power plants and wind turbines, engineering support and consulting for compliance with regulations and regulatory requirements
- Graduate of advanced degrees in electrical engineering and green energy, experience in leading multidisciplinary teams, subcontractors and consultants
- High professionalism, thoroughness, developed technical sense, adherence to schedule, high work ethic, ability to execute in a dynamic and international environment

Education:

- PhD student in Electrical and Green Energy Engineering, University of Suceava, Romania (2019- Present) - thesis submitted.

Thesis on wind turbines, solar energy and energy storage:

Contributions Regarding the Efficiency and Optimization of Hybrid Power Plant Systems Without Storage

- M.Sc. in Electrical and Electronics Engineering, with summa cum laude, Sami Shimon College (2017-2019).

Thesis on improving the capabilities of electric vehicles:

A Solar Power-Assisted Battery Balancing System for Electric Vehicles

- B.Sc. in Electrical, Electronics, Optics and Lighting Engineering, Shenkar College (2016-2014).
- Practical Electrical Engineer, North College (2006-2003).
- Civil Engineer, Tel Aviv College (2000-1999).
- Bachelor of Science in Physics, Ben Gurion University (1989-1991).

Certifications: License-Electrical Engineer-Tester Type 3.

Professional experience:

- 2020-Present: Chief Engineer in Wind and Energy Projects, Nextcom Group, a public company listed on the Tel Aviv Stock Exchange
- Establishment, operation and maintenance of renewable energy projects in wind turbine construction and high-voltage cable laying projects

- Providing advanced services to a wide range of companies from different sectors, planning and full implementation of solutions until delivery
- Responsibility for several projects simultaneously, dealing with the company's customers and technical teams, making decisions in a dynamic environment
- Characterizing customer needs, working in collaboration with subcontractors and business partners in complex projects at a national level
- Professional technical management of multidisciplinary project teams in Israel and abroad, training, guidance and accompaniment of engineering teams
- Professional consulting and engineering accompaniment at all stages of the project, working in collaboration with consultants and relevant regulatory bodies, interface management
- Among the projects: Construction of dozens of wind turbines in projects In the Valley of Lamentation, Ruach Beresheet, laying a high-voltage cable and more.
- Among the clients: entrepreneurs in the energy sector, municipal authorities and bodies, entrepreneurs and contractors in the fields of construction, public transportation, and a variety of public and private companies

➤ 2016-2020: Project Manager in the electrical sector, Mashkal Company - the company for the economy and economy of local government

- Planning and construction of lighting infrastructures, performing electrical work, planning electrical installations.
- Partner in the planning and construction processes of educational institutions and public buildings, office buildings, community centers, sports clubs and more
- Inspection of electrical and lighting installations, providing professional opinions in a variety of industrial, private and public projects
- Planning and management of the electrical sector in all stages of the project, from the planning and construction stage to delivery, including obtaining approval from the electricity company
- Adapting solutions to customer needs, preparing a bill of quantities and technical specifications, writing tenders, full support at all stages of the decision
- Planning electrical installations in accordance with the requirements The client, planning, drafting a bill of quantities, drafting technical specifications, writing tenders

➤ 2006-2016: Project Manager in Construction and Civil Engineering

- Execution of projects from the planning stage to delivery to the client, professional supervision of construction contractors to meet commitments and schedules
- Recruitment and management of subcontractors, examination of price bids and providing opinions, budgetary control and providing purchase approvals for materials
- Professional supervision of the construction contractor including superior supervision of inspectors, project managers and foremen

- Field trips to sites, supervision of adherence to plans and drawings and providing professional emphasis for repairs
- Among the projects: Planning and construction of electrical infrastructures in factories, public buildings, educational institutions, street lighting, parking lots and sports fields, factories and neighborhood parks

Technological tools: Mastery of Office applications, including high-level, intensive Excel, AutoCAD, MATLAB, Visual project, Pvsys

AGi32 - Lighting design and calculation software

Languages: Hebrew - Native level | Arabic - Native language | English - High level

15.07.2025

