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Eng.Aya Soud Bzeih

PERSONAL PROFILE

Aya Bzeih is a Senior Electrical Engineer and a Certified Expert in Energy Management. She completed her Masters Degree in 2011 in Renewable Energy at BAU.

She is highly experienced in design and installation of solar systems, and renewable technologies. She has gained extensive experience of monitoring and modelling work together with full scale design and experimental execution. One of such projects include 1.2MW ON GRID PV system at Bekaa-Lebanon, 150HP solar pump system , off grid systems with storage.

EDUCATION AND QUALIFICATIONS

Certified Expert in Energy Management

February 2018

Pan Arab – Energy Management Professional Program (PA-CEMP). Standards of the certification and high level of competence for energy management (RCREEE, League of Arab States and Ministry of Electricity of Egypt)

Masters in Renewable Energy BAU

2011
Lebanon

WORK EXPERIENCE

Solar Project Engineer at Modon Group Company Solar system design and implementation: Technical Expertise.	2011-2014
<ol style="list-style-type: none">1. Designing and installing of solar pumps, on grid, off grid, hybrid, street lights, home systems, mega solar system2. Effectively detecting faults in the solar systems.3. Installing computer software to monitor the solar system, checking computer equipment's for electricity safety, and checking upgrades4. Routine and predictive maintenance5. Extension and upgrades of system6. Project feasibility analysis7. Team coordination at the design and construction level;8. Project coordination - connection and plant start-up, inspection and supervision. Plant commissioning coordination with site team and Authorities.9. Grid connection management10. Project approval process (preliminary, final, detailed design).11. Budgeting, Procurement, Tendering (General Contracting, Main Contracting).12. Time and cost control, cash-flow analysis;13. Problem solving.	

Project Manager

Job Tasks

- Prepare proposals, quotes, contracts, or presentations for potential solar customers.
Develop content for sales presentations or other materials.
Develop proposals for current or prospective customers.
Prepare sales or other contracts.
- Select solar energy products, systems, or services for customers based on electrical energy requirements, site conditions, price, or other factors.
Customize energy products or services to meet customer needs.
- Provide customers with information such as quotes, orders, sales, shipping, warranties, credit, funding options, incentives, or tax rebates.
Explain technical product or service information to customers.
Explain financial information to customers.
- Gather information from prospective customers to identify their solar energy needs.
Gather customer or product information to determine customer needs.
- Calculate potential solar resources or solar array production for a particular site considering issues such as climate, shading, and roof orientation.
- Provide technical information about solar power, solar systems, equipment, and services to potential customers or dealers.
Explain technical product or service information to customers.
- Generate solar energy customer leads to develop new accounts.
Identify potential customers.
- Take quote requests or orders from dealers or customers.

Take product orders from customers.

- Assess sites to determine suitability for solar equipment, using equipment such as tape measures, compasses, and computer software.
- Prepare or review detailed design drawings, specifications, or lists related to solar installations.
Prepare drawings or diagrams of products or services.
- Develop marketing or strategic plans for sales territories.
Develop marketing plans or strategies.
- Create customized energy management packages to satisfy customer needs.
Customize energy products or services to meet customer needs.
- Demonstrate use of solar and related equipment to customers or dealers.
Demonstrate products to consumers.

SKILLS

Computing

- Familiar with several software programs such as Autocad-Eplan-Pvsyst-PLC
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LANGUAGES

Fluent in English and Arabic (spoken and written)

OTHERS

- Member of a training center for engineers to continue professional development where we give practical courses in energy sector where we can enhance the practical skills of engineers.