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# COMPANY PROFILE

 CES -  
CLEAN ENERGY SYSTEMS



**CES – CLEAN ENERGY SYSTEMS**

# WHO WE ARE

**Introducing CES (Clean Energy Systems), a family-owned enterprise that excels in delivering comprehensive solutions for solar installations across various sectors. With a core emphasis on residential, commercial, industrial, and large-scale projects, we take pride in offering turnkey construction services that are both reliable and cost-effective.**

**At CES, our team, spearheaded by accomplished engineers who graduated from Ottawa University. We are committed to achieving the highest levels of integration for cutting edge technologies, ensuring top-tier quality services, and leveraging years of expertise across the entire solar value chain.**

**Our proficiency spans from project development and construction to financing, operations, and maintenance of solar systems. We guarantee that our solutions not only meet your energy requirements but also contribute to profitability in the long run. Choose CES for a sustainable and successful solar energy journey.**



Our vision at CES Clean Energy System is to lead the way in energy conservation, epitomized by our motto: 'We lower your bill.' We firmly believe in creating a healthier environment, free from harmful pollutants, particularly greenhouse gases. To achieve this goal, we are dedicated to implementing sustainable practices and innovative solutions for a greener and cleaner future.

# OUR VISION

  
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# OUR PRODUCTS & SERVICE RANGE

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Our comprehensive range of products and services includes engineering, procurement, and construction (EPC) as well as operations and maintenance (O&M) solutions for the following solar installations:



**PV Solar Roofs**



**PV Solar Parks**



**PV Solar Hybrids**



**PV Solar Pumps**



**Solar Water Heating**

# OUR PRODUCTS & SERVICE RANGE

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Whether it's installing PV solar systems on rooftops, developing solar parks, implementing hybrid solar solutions, setting up solar-powered pumps, or providing solar water heating solutions, we have the expertise and experience to meet all your solar energy needs.

Our commitment to quality and efficiency ensures that your solar projects are executed flawlessly and maintained for optimal performance.

# PARTNERS WE SEEK & SERVICES WE OFFER

## For Investors

**As an investor, we offer a range of investment opportunities in the solar energy sector, starting from early-stage project development and extending to fully connected PV power plants. Additionally, we provide comprehensive O&M and Asset Management Services to ensure the long-term profitability of your investment.**

If you are a project developer, we are here to collaborate with you throughout the entire development process. We can offer technical assistance at every stage or even consider purchasing your fully developed projects to bring them to fruition.

## For Project Developers

## For Off-takers

Industrial or energy trading companies seeking clean and cost-effective electricity solutions can partner with us. We provide PV electricity, benefiting not only your company but also your clients and society as a whole.

# PARTNERS WE SEEK & SERVICES WE OFFER

For All-in-One  
Investors,  
Developers, and  
Off-takers

If you desire an all-encompassing solution, we are your perfect match. Our services include designing and constructing the most reliable and hassle-free PV systems tailored to your needs. This full package also incorporates Operation and Maintenance services, allowing you to focus on your core activities while we handle the solar system's upkeep.



# OUR PROJECTS



## Solar PV Installation for the Mejdalaya Retirement Home

- *Project Description: Off-grid solar system with storage designed for the Retirement Home.*
- *Technical Specifications:*
  - *Number of Solar Modules: 55 panels*
  - *Module Power: 545W each*
  - *Total Power: 29.975kWp*
  - *Off-grid Capacity: 30kW*
  - *Inverter Quantity: 3*
  - *Inverter Type: Deye SUN12K-SG04LP3*
- *Client: Dar El Raha*
- *Location: Mejdalaya, Lebanon*

In our portfolio, we take pride in showcasing our successful implementation of the Mejdalaya Retirement Home's solar project. The off-grid solar system, equipped with storage capabilities, was carefully designed to meet the energy needs of the facility. With 55 high-performance solar modules, each generating 545W of power, the installation has a total capacity of 29.975kWp. The efficient Deye SUN12K-SG04LP3 inverters, three in total, ensure smooth operation and energy optimization.

Our esteemed client, Dar El Raha, entrusted us with this project, and we delivered exceptional results. The Mejdalaya location in Lebanon now benefits from clean and sustainable energy, making a positive impact on the environment while meeting the Retirement Home's power requirements.



# OUR PROJECTS



## Solar PV Installation for EFES - Abi Ramia Industry

- *Project Description: On-grid solar system designed for a local industry.*

- *Technical Specifications:*

- *Number of Solar Modules: 120 panels*
- *Module Power: 545W each*
- *Total Power: 64.4kWp*
- *On-grid Capacity: 50kW*
- *Inverter Quantity: 1*
- *Inverter Type: Deye SUN50K-G03*

- *Client: Abri Ramia Bros Sarl*

- *Location: Safra, Lebanon*

Our second noteworthy project showcases our expertise in implementing an on-grid solar system for the EFES - Abi Ramia Industry, located in Safra, Lebanon.

The solar system consists of 120 solar panels, each boasting a power output of 545W, resulting in a total capacity of 64.4kWp. With an on-grid capacity of 50kW, the Deye SUN50K-G03 inverter ensures seamless integration with the existing power grid.

Our valued client, Abri Ramia Bros Sarl, entrusted us with this project, and we are pleased to have successfully delivered a sustainable and clean energy solution. The EFES - Abi Ramia Industry in Safra now enjoys reduced dependency on conventional power sources, benefiting from renewable energy while contributing to a greener future.



# OUR PROJECTS



## Solar PV Installation for the General Directorate of Oil in Zahrani

- *Project Description: Off-grid solar system with storage, utilizing existing panels.*
- *Technical Specifications:*
  - *Number of Existing Solar Modules: 491 panels*
  - *Module Power: 330W each*
  - *Total Power: 162kWp*
  - *Off-grid Capacity: 88kW*
  - *Inverter Quantity: 11*
  - *Inverter Type: Deye SUN8K-SG04LP3*
- *Customer: Ministry Of Energy and Water*
- *Location: Beirut, Lebanon*

Our third remarkable project involved the installation of an off-grid solar system with storage for the esteemed General Directorate of Oil in Zahrani. By utilizing the existing 491 solar panels, each with a power output of 330W, we successfully achieved a total capacity of 162kWp. The off-grid capacity stands at 88kW, and this was made possible through the use of 11 Deye SUN8K-SG04LP3 inverters, ensuring seamless energy conversion and storage.

The Ministry of Energy and Water placed their trust in us for this project, and we are proud to have delivered an efficient and sustainable solar solution. The General Directorate of Oil in Zahrani now benefits from uninterrupted power supply while reducing their reliance on conventional energy sources.



## Water Pump Inverter System for the General Directorate of Oil in Zahrani

- *Project Description: Solar-powered water pump inverter system employing existing panels.*
- *Technical Specifications:*
  - *Number of Existing Solar Modules: 600 panels*
  - *Module Power: 330W each*
  - *Total Power: 198kWp*
  - *Total Pump Inverter Capacity: 110kW*
  - *Inverter Quantity: 1*
  - *Inverter Type: Solatek AE300-01 110kW*
- *Customer: General Directorate of Oil in-Zahrani*
- *Location: Ghazieh, Lebanon*

Our fourth noteworthy project involved the implementation of a solar-powered water pump inverter system for the esteemed General Directorate of Oil in Zahrani. We utilized 600 existing solar panels, each with a power output of 330W, to achieve a total capacity of 198kWp. The water pump inverter system boasts a capacity of 110kW, utilizing the efficient Solatek AE300-01 110kW inverter to drive the water pumping operations.

Our valued client, the General Directorate of Oil in Zahrani, entrusted us with this critical project, and we are delighted to have delivered a sustainable and reliable solution. With this solar-powered water pump inverter system in place, the General Directorate of Oil can efficiently pump water while reducing their carbon footprint and promoting renewable energy in Lebanon.



## Water Pump Inverter System in Zgharta

- *Project Description: Installation of a water pump inverter system.*
- *Technical Specifications:*
  - *Number of Solar Modules: 66 panels*
  - *Module Power: 545W each*
  - *Total Power: 35.970kWp*
  - *Total Pump Inverter Capacity: 30kW*
  - *Inverter Quantity: 1*
  - *Inverter Type: Solatek AE300-01 30kW*
- *Customer: Mouawad & Edde Sarl*
- *Location: Zgharta, Lebanon*

Our fifth impressive project involved the implementation of a water pump inverter system in Zgharta. Designed to optimize the water pumping process, this solar-powered system consists of 66 solar panels, with each panel generating 545W of power. The total installed capacity of the solar modules amounts to 35.970kWp. The water pump inverter system utilizes the efficient Solatek AE300-01 30kW inverter, with a total capacity of 30kW, ensuring smooth and reliable operation.

Mouawad & Edde Sarl placed their trust in us for this vital project, and we take great pride in delivering a cutting-edge and sustainable solution. The water pump inverter system enables efficient water pumping operations while reducing dependency on traditional energy sources. With this environmentally friendly setup in place, Zgharta, Lebanon, benefits from a cleaner and greener approach to water management.

# OUR PROJECTS

## Off-Grid System with Backup Generator for MEDCO gas station in Monsif

- *Project Description: Implementing an off-grid system with a backup generator.*
- *Technical Specifications:*
  - *Inverter Capacity: 36kW*
  - *Panels Capacity: 39.960 kWp*
- *Customer: Medco Gas Station*
- *Location: Monsif, Lebanon*

Our sixth noteworthy project involved the installation of an advanced off-grid system with a reliable backup generator in Monsif. The off-grid system is equipped with an efficient inverter boasting a capacity of 36kW, ensuring seamless energy conversion and distribution. With a total panels capacity of 39.960 kWp, the solar modules provide a sustainable and eco-friendly power source for the gas station.

Medco Gas Station entrusted us with this crucial project, and we are proud to have delivered a cutting-edge solution to meet their energy needs. The off-grid system with a backup generator ensures uninterrupted power supply, even in times of low solar energy generation or adverse weather conditions. With this sustainable setup in place, Medco Gas Station in Monsif, Lebanon, enjoys reduced dependency on conventional power sources and contributes to a cleaner environment.





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# LET'S WORK TOGETHER

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The logo consists of the letters 'CES' in a bold, sans-serif font. The 'C' and 'S' are blue, while the 'E' is white with blue horizontal bars. The letters are set against a white background within a blue-bordered box.

**CLEAN ENERGY SYSTEMS**

*WE LOWER YOUR BILL*