

مركز مجان للطاقة المتجددة وكفاءة الطاقة
Majan Center for Renewable Energy and Energy Efficiency

MCREEE
SHAPING ENERGIES OF TOMORROW

MAJAN CENTER FOR RENEWABLE ENERGY AND ENERGY EFFICIENCY

www.mcreee.com

Shaping Energies of Tomorrow:
The Pinnacle Regional Think Tank

About



MAJAN CENTER FOR RENEWABLE ENERGY AND ENERGY EFFICIENCY

Comprising a blend of regional and global expertise, we are a passionate assembly of thought leaders dedicated to illuminating the pathway for the emerging new energy economy. Delving deep into the intricacies of metals, minerals, heat, electrons, and molecules, and venturing further into the complexities of supply chains, cutting-edge technologies, and low-emission industrial paradigms, our objective is singular: to pioneer transformative energy and economic blueprints tailored for the Gulf Region.

Join us in shaping the future, today.

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VISION & MISSION

Vision

To be the leading voice to shaping a practical, competitive, and sustainable energy future for the region.

Mission

To be at the heart of the regional and global dialogue on energy, working collaboratively with governments and industry to drive inclusive and sustainable solutions for a rapidly evolving energy landscape.

OBJECTIVES

01. Be a hub for national, regional, and international dialogue on sustainable energy, energy policy, energy technologies, supply chains, and competitive financing.
02. Accelerate the growth of innovative and sustainable solutions at pace and scale in the region.
03. Shape up the energy geopolitics of tomorrow
04. Promote knowledge sharing and capacity building
05. Foster the development of low-carbon clusters and build the foundations for the industrial clusters of tomorrow.



AREAS OF EXPERTISE

Solar and Wind Technological Innovation

Specializing in renewable advancements, our expertise spans solar PV, wind, bioenergy, and geothermal. We excel in merging these with cross-cutting solutions like hydrogen production and fuel cells. Our focus is on synergizing these domains, reshaping traditional energy paradigms, and leading the next wave of sustainable energy innovations

Systems Integration and Grid Modernisation

Our team possesses deep knowledge in developing and optimizing sustainable energy systems. We specialize in designing efficient integrations of renewable sources into existing grids, ensuring seamless transitions and enhanced system resilience. Our methodologies prioritize both environmental sustainability and system reliability, ensuring a future-ready energy landscape

Policy, Economics, and Financing

Our team specializes in energy policy insights and economic strategies, paving the way for sustainable energy financing. By intertwining policy comprehension with economic savvy, we pinpoint renewable investment opportunities. We equip stakeholders with the know-how, ensuring projects are sustainable, economically sound, and aligned with current regulatory standards

AREAS OF EXPERTISE

Energy Efficiency and Demand Management

Specializing in optimizing energy use within structures, we employ advanced techniques for sustainable, energy-conservative solutions. Guiding projects from inception to realization, our expertise prioritizes green strategies. We are dedicated to transforming the built environment, championing efficiency and sustainability for tomorrow's landscapes

Transportation Electrification

Pioneering the future of mobility, we are at the forefront of electric transportation transformation. Harnessing cutting-edge technologies, our focus is advancing electric vehicle adoption and infrastructure. Committed to sustainable transit, we guide urban and inter-city shifts, ensuring eco-friendly, efficient, and innovative travel solutions for a greener, connected world

Sustainability and Environmental Impact

Championing a green future, we lead in sustainability strategies and environmental preservation. By merging scientific insights with actionable practices, we address ecological challenges head-on. Committed to leaving a minimal footprint, we foster sustainable models across industries, ensuring a harmonious balance between progress and planet, driving forward a vision of eco-resilient, impactful growth

AREAS OF EXPERTISE

Capacity Building and Training

Pioneering growth, our forte is in elevating capacities. We empower teams with tailored training, fostering professional evolution. Through dynamic workshops, we bridge knowledge gaps and champion continuous learning. Our commitment lies in molding tomorrow's industry leaders, ensuring that they are well-equipped and adaptive to the ever-changing energy landscape

Research, Data, and Analytics

At the nexus of insight and action, our team thrives. Harnessing cutting-edge research methodologies, we delve deep into data, revealing patterns and predictive insights crucial to the energy sector. Our analytical prowess translates to actionable intelligence, guiding decisions and strategy. Committed to precision, we offer a foundation of evidence-based clarity in a rapidly evolving energy landscape

Stakeholder Engagement and Collaboration

Bridging vision and action, we foster pivotal connections across diverse landscapes. Our expertise lies in cultivating relationships and driving consensus. Through strategic collaboration, we harness collective insights, ensuring projects resonate with every stakeholder. Our dedication to robust engagement amplifies impact, leading to sustainable energy solutions aligned with stakeholder goals

SERVICES OFFERED



Leveraging our competitive advantage and expertise, we are keen to work with the public and private stakeholders in the following areas:

01. Policy Advisory

Crafting forward-thinking energy policies based on comprehensive research, ensuring sustainable growth and integration in global energy transitions

02. Technology Analysis

Evaluating emerging renewable technologies, gauging efficiency, scalability, and feasibility to guide informed investment and implementation decisions

03. Market Forecasting

Analyzing energy trends, predicting market shifts, and providing insights to stakeholders for proactive strategizing in the dynamic energy sector

SERVICES OFFERED



Leveraging our competitive advantage and expertise, we are keen to work with the public and private stakeholders in the following areas:

04. Stakeholder Collaboration

Facilitating dialogue among industry leaders, governments, and communities to drive consensus and align renewable energy objectives

05. Capacity Building

Offering tailored training and workshops, enhancing skillsets, and nurturing the next generation of renewable energy leaders and innovators

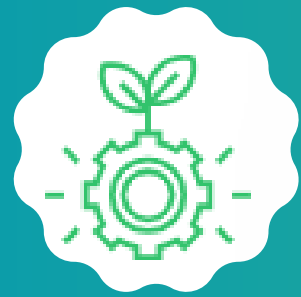
These service themes include the following exhaustive list



SERVICES OFFERED

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**Sustainability
Audits**



**Life Cycle
Assessment**



**Supply Chain
Consulting**



**Project
Planning**



**Technology &
Innovation Assessment**



**Energy Modeling
and Simulation**



**Carbon Footprint &
Decarbonization
Analysis**



**Regulatory
Compliance
Assistance**



**Risk
Assessment**

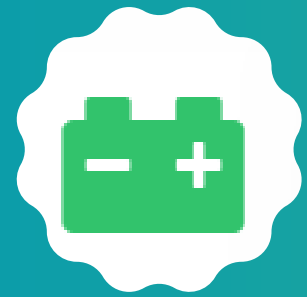


**Green
Certification**

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**Energy Storage
Solutions**



**Training &
Workshops**



**Technology
Readiness Level**



**Impact
Studies**



**Policy
Analysis**



**Technical &
Economic
feasibility**



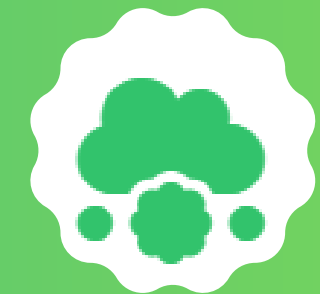
**Strategy
Development**



**Manufacturing
Studies**



**Market
Analysis**



**Climate
Resilience**



SERVICES OFFERED

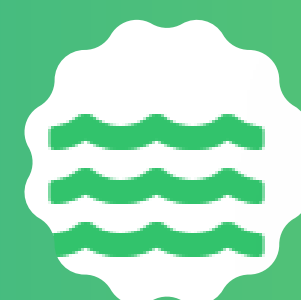
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**Economic
Impact
Analysis**



**Stakeholder
Collaboration**



**Water-
Energy
Nexus**



**Renewable
Energy Mix
Scenario**

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Regional Think Tank Shaping Energies of Tomorrow

Your partner in navigating the
landscape of emerging energies
and strategic market positioning.

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CSP Projects, Other

Expanding The Solar Supply Chain Finance Program

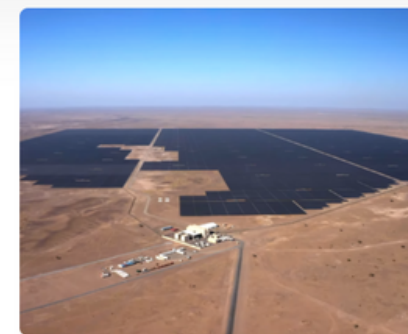
The great thing about solar panels is that they do not require a lot of maintenance. However, it is still important to get them checked regularly to ensure safe.



Green Hydrogen Projects, Wind Energy Projects

Addressing Wind Energy Innovation Challenges

As wind turbines increase in size & height to capture more energy, and as wind power plants with many turbines spread out over greater areas and longer distances.



PV Solar Projects

Ibri II 500MW Solar PV Independent Power Plant Project

If you own an electric vehicle (EV), the recurring question you'll get is: how easy is it to charge the battery on the road? Clearly, people simply want to get.



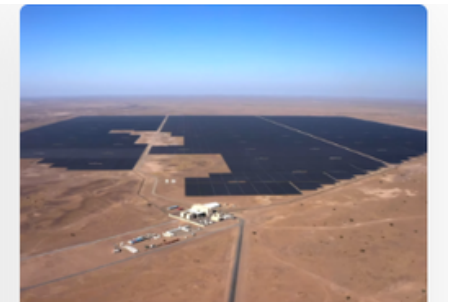
Expanding The Solar Supply Chain Finance Program

CSP Projects, Other



Addressing Wind Energy Innovation Challenges

Green Hydrogen Projects, Wind Energy Projects



Ibri II 500MW Solar PV Independent Power Plant Project

PV Solar Projects



New Public Attitude Tracker Towards Renewable Energy

Green Hydrogen Projects, PV Solar Projects



Dangerous Environmental Impacts of Natural Gas

Bioenergy, Wind Energy Projects



What Does the Future Hold for Renewable Energy?

CSP Projects, PV Solar Projects

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THANK YOU

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