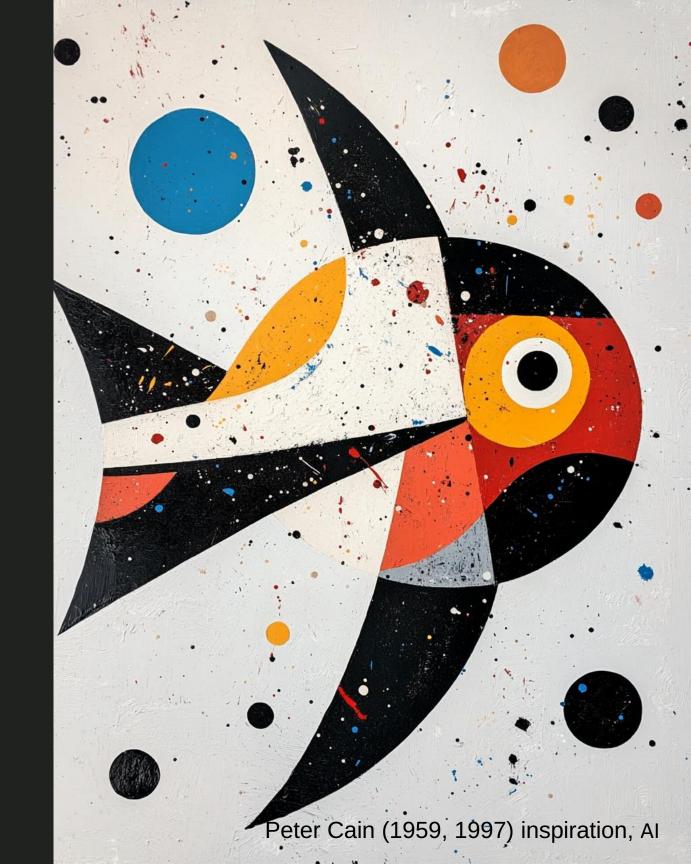
Sustainable Energy Solutions: Innovation & Efficiency

Smart EPC Solutions for Sustainable Energy Future









Our Expertise in Renewable Energy & EPC Contracting

Decades of Experience

Strategic Partnerships

Proven success in designing, building, and operating largescale renewable energy projects.

Collaboration with top-tier global suppliers and technology providers.

Comprehensive EPC Services

From feasibility studies to fullscale deployment and maintenance. Customized Solutions for KSA

Tailoring projects to align with Saudi Arabia's energy goals and regulations.



Renewable Energy Solutions: Solar, Wind and Biomass Power

Utility-Scale Solar Power Plants

High-efficiency PV and CSP solutions.

Onshore Wind Farms

Advanced wind turbine technologies for maximum yield.

Hybrid Renewable Energy Systems

Combining solar, wind, and energy storage for grid stability.

Biomass Power Generation

Sustainable biomass solutions for reliable power.

Microgrid & Distributed Energy Solutions

Powering industrial, commercial, and remote areas.



Our Solutions:

Energy Storage Solutions: Battery & Grid-Scale Systems

1

Battery Energy Storage Systems (BESS)

Lithium-ion, flow batteries, and hybrid storage.

2

Pumped Hydro Energy Storage (PHES)

Large-scale energy storage for grid balancing.

3

Thermal Energy Storage (TES)

Using heat storage to enhance solar power plants

4

Smart Grid Integration

Al-driven optimization for real-time energy demand management





Energy Supply Solutions: Powering KSA's Future

Independent Power Producer (IPP) & Power Purchase Agreements (PPAs) Decentralized & Off-Grid Energy Solutions

Reliable power for industrial zones and remote locations.

Green Hydrogen Production & Supply

Fueling KSA's clean energy economy.

Waste-to-Energy (WTE) Technologies

Converting waste into renewable electricity





Energy Conservation & Efficiency Measures

Smart Building Energy Management Systems (BEMS)

Al-driven energy monitoring & automation.

Demand Response & Load Management

Reducing peak demand & improving grid resilience.

Industrial Energy Optimization

Process electrification & efficiency upgrades.

District Cooling & Waste Heat Recovery

Enhancing efficiency in large-scale urban projects



Leading Technology Suppliers & Vendors in Renewable Energy & Power

Siemens **SIEMENS**



(Germany) – Advanced wind turbine & solar energy solutions.

(Denmark) - Leading wind energy technology provider.

General Electric





(USA) - Comprehensive wind, solar, and grid solutions. (Germany) - High-efficiency wind power technology.



First Solar



(China) – Leading manufacturer of solar PV modules (USA) – High-performance thin-film solar PV modules.

Abengoa



(Spain) - Specialist in Concentrated Solar Power (CSP) solutions.





Energy Storage & Smart Grids

Tesla



(USA) – Cutting-edge battery energy storage

(BESS)



(USA/Germany) - Gridscale **energy storage** & optimization.

General Electric



(USA) - Smart grid & hybrid energy solutions. Schneider Electric



(France) – Advanced energy management systems.





Biomass, Biogas & Wasteto-Energy

MAN Energy Solutions



Hitachi Zosen Inova

Hitachi Zosen

(Germany) – Biogas & biomass power generation

(Switzerland) – Waste-toenergy & resource recovery

Valmet



(Finland) – Advancedbiomass combustion &power technologies

ANDRITZ



(Austria) – Sustainable biomass & hydro solutions.





Hydrogen & Green Energy Innovations

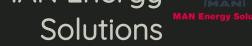
Siemens **SIEMENS**

(Germany) – Green

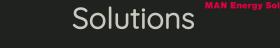
hydrogen production &

electrolyzer solutions

MAN Energy



power-to-gas technologies.



(Germany) – Hydrogen storage, liquefaction &

Linde Linde

(Germany) – Green hydrogen infrastructure & distribution Air Liquide

(France) – Hydrogen storage & industrial applications.









The Future of Energy in Saudi Arabia

Renewable Energy Transition & Net Zero Targets

> Al & IoT for Smart Energy Management

Hydrogen & Carbon Capture Innovations

Decentralized & Resilient Energy Grids



Case Study:

Utility-Scale Solar & Battery Storage Project

500 MW Solar PV Plant with Integrated BESS

Al-Driven Energy Management
Cuts Costs by 30%

24/7 Reliable Power Supply for Industrial Clients







Case Study:

Smart Energy Conservation in Industrial Zones

Al-Powered Load

Management Reduced

Peak Demand by 25%

Process Electrification & Energy Recovery Cut Costs by 40%

Scalable Solutions for Factories & Business Parks



Competitive Advantages of Our Energy Solutions

End-to-End EPC Services

From feasibility to full-scale deployment.

Sustainability & Compliance

Aligning with Vision 2030 & global standards.

Technology Leadership

AI, IoT, and automation-driven efficiency.

Scalable & Tailored Solutions

Designed for utility, industrial, and commercial needs.







Roadmap for Implementation

Phase 1

Feasibility Study & Regulatory
Approvals

1 2 3 5 4

Phase 5

Long-Term
Operations &
Smart Monitoring

Phase 2

Design,

Engineering &

Procurement

Phase 3

Construction &

System

Deployment

Phase 4

Testing,

Optimization &

Commissioning

Contact & Next Steps

1 How to Partner with Us?

2 Q&A Session

3 Future Collaboration Opportunities

- 4 Location:
 Olaya 182 Cima Towers, Floor 6, Riyadh, 11584, SA
- 5 Contact Data:
 info@whitestone-savanna.com

