

SOLVING ENERGY CHALLENGES

For a Brighter Future





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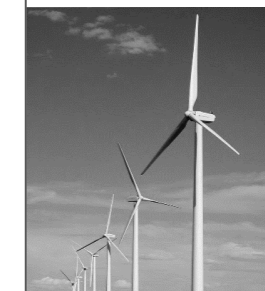
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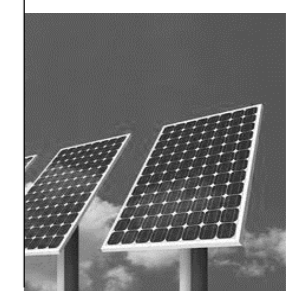
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Introduction

Who We Are

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“There is an urgent need to dramatically reduce wasted energy, and significantly shift our power supplies from oil, coal, natural gas to wind, solar, geothermal, and other renewable energy sources.”

~ Bill McKibben - Environmentalist



Who We Are

SEPANTA ENERGY is a leading provider of engineering, procurement, and construction (EPC) services. Since our inception in 2010, we have provided end-to-end solutions for some of Iran's most challenging renewable energy projects – safely, on time and to the highest degree of quality. In addition to our core business in the wind farm industry, Sepanta Energy also provides services to clients in the fields of solar and other forms of renewable energies.

At Sepanta Energy, we see the world from the perspective of our customers: We provide solutions to deliver their real benefits. Whether through the invention of a new technology, the evolvement of an existing product, or simply trying to find a better way of working, we attempt to maximize their return while decreasing the cost of energy for everyone.

Vision

Our vision is to grow our team in order to offer a broad spectrum of consulting, engineering, procurement and construction services for renewable power plants to become our Clients' preferred service provider choice through excellence and efficiency in all aspects of the project life cycle. Whether it is a consulting project, engineering project or implementation of a project, Sepanta Energy will exceed expectations and set new standards.

Mission

At Sepanta Energy, we strongly feel that renewable energy technologies have an essential role in protecting the environment and building the future of energy. We are dedicated to providing the most efficient and advanced services for our customers. We hope to accomplish our goals by continuing to research and developing better services.

Objectives

- Developing creative ideas to generate energy from new resources
- Becoming a pilot service provider of installation and O&M services for renewable power plants
- Strengthen internal capabilities and operational performance
- Pursue geographical expansion and tapping potential opportunities in emerging and mature markets

Ownership and Management

Naser Lari

Chairman



Mr. Lari's three decade of experience in international trade expands from strategic advisor to holding companies and industrial machinery manufacturers to leading purchase and relocation projects such as wind power mills, pipeline projects and large scale commodity trades. He also serves as managing partner of GR advisors (middle east division), non-executive member of boards of SIG Int. Ltd, Associate adviser to the board of Sadid Industrial Group, Import consultant to the Ministry of Commerce (Iran).

Siamak Ali Babaei

Managing Director / Member of the Board



As Managing Director, Mr. Ali Babaei is responsible for the direction and management of Sepanta Energy since 2010. He held head of Installation and technical services department, head of nacelles assembly department and head of technology department roles in Saba Niroo Co. (the only wind turbine manufacturer in Iran) from 2001-2012.

Dana Energy Group

Member of the Board



Dana Energy is a private holding, oil and gas company headquartered in Tehran, Iran. Its business segments include exploration and production, upstream services, and energy trading. The company is emerged in the exploration and development of oil fields in central and southern Iran and the development of the offshore South Pars gas field located in the Persian Gulf as a drilling contractor for NIOC. Dana Energy provides projects by technical, financial and managerial expertise, advanced equipment and cutting-edge services necessary for success.(www.danaenergy.ir)

Wind Energy

The growing consumption and steady increase in price of non-renewable sources has forced people to look for alternative fuels that are available cheaply and can meet their growing demand for energy. Among the alternatives available, one of them is wind energy. Wind energy is one of the alternative sources of energy that has been in use since 2000 B.C. Wind power possess huge potential and has been growing fast in recent years.

“Wind Energy is inexhaustible and infinitely renewable. It’s simple but it’s true.”

~ Larry Flowers -Politician

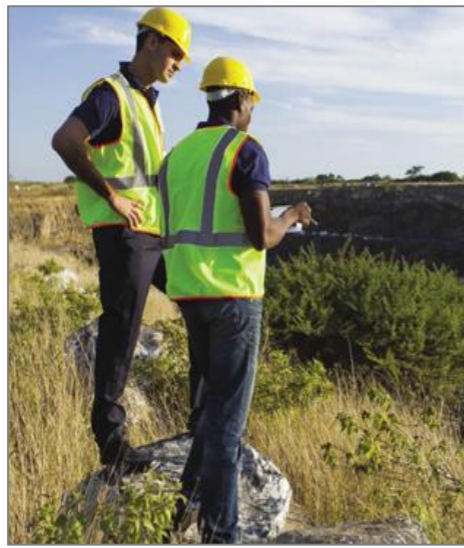
How do we provide a full spectrum of Wind Farm Services?

As an EPC company, Sepanta Energy could be involved in all phases of wind farm development starting from site selection, mast installation and wind assessment, micro-siting and all engineering aspects, grid connection, transportation, civil works, turbine installation, operation, maintenance and asset management. Our wind energy activities are as follows:



Feasibility Study

- Examination of different areas according to the wind map to select proper location for wind farm development
- Estimation of the electrical energy generation capacity
- Investigation of environmental conditions, transmission and distribution of electricity
- Cost estimation for construction and operation of wind farm



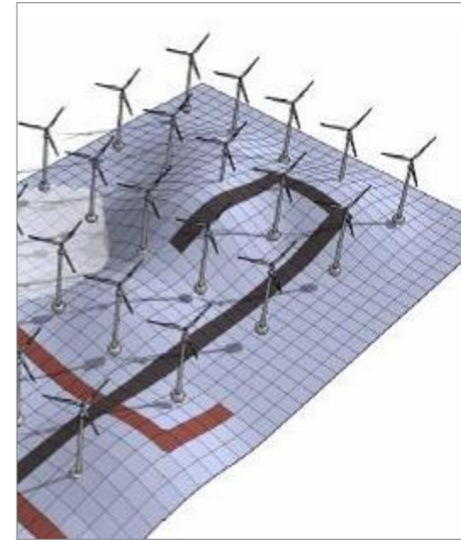
Site Selection and Obtaining Licenses

- Preliminary examination for potential sites
- Site selection and land acquisition
- Obtaining license from Renewable Energy Organization of Iran (SUNA)
- Wind assessment and data analysis
- Pre-feasibility studies according to the selected site
- Obtaining permits for guaranteed power purchase and signing PPA for client



Procurement

- Determination of type and class of turbines based on the land conditions and wind assessment data
- Selection of the turbine manufacturer
- Negotiations with turbine manufacturer
- Conducting technical inspections of turbines
- Turbine purchase



Engineering

- Micro-siting
- Design of site layout
- Design and implementation of foundation
- Design and implementation of ground system
- Final feasibility study and grid connection layout
- Design and implementation of access roads and landscaping



Participation in Transportation

- Ship Transportation
- Road Transportation
- Rail Transportation



Installation and Commissioning



Operation and Maintenance

- Condition monitoring and inspection Services
- Supplement of OEM spare parts
- Failed part repairing

Solar Energy

“The use of solar energy offers huge potential for natural resources and climate protection, and for the expansion of renewable energies on the road to a future-oriented energy supply.”

~ Margareta Wolf - Politician

Implementation of Solar Projects

Commitment to renewable energy makes us grow our solar business. We believe we have an inherent responsibility to increase awareness and encourage practices that will protect and preserve our natural environment.

➤ Feasibility study for construction of solar power plants

- Examination of different areas according to the solar atlas to select proper location for solar farm development
- Estimation of the electrical energy generation capacity
- Investigation of environmental conditions, transmission and distribution of electricity
- Cost estimation for construction and operation of solar farm

➤ Obtaining license for solar farm development from Renewable Energy Organization of Iran (SUNA)

➤ Obtaining permits for guaranteed power purchase and signing PPA for client

➤ Procurement of appropriate solar panels based on the selected site

➤ Engineering

➤ Installation and commissioning

➤ Maintenance

Our Team References

- Participation in installation of more than 170 wind turbines in Iran and Armenia
- Providing maintenance services for more than 170 wind turbines in Iran and Armenia
- Inspection of 30 Units of wind turbines in Iran (75 MW)
- Providing inspection services (Endoscopy and UT) for Mnajil and Binalood Wind Farms in cooperation with Vestas Italia
- Collaboration in transportation of several wind turbines
- Participation in repairing electronic components and control systems of wind turbines
- Participation in repairing of main components like gearboxes and generators
- Inspection and repair of wind turbine blades of Binalood Wind Farm
- Feasibility study of 10 MW solar Farm in Yazd Province
- Participation in installation and commissioning of small-scale solar farms



International Offices



For more information, please contact us.

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Renewable Solution

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