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ESTA Co.

Portfolio





Introduction:

Our company has been registered with 408283 registration number by office of Companies Registration and Intellectual Property from 2011 in Tehran. ESTA company has been begun the research and development activities by faculty members in Shahid Beheshti University (SBU). The basis activities of ESTA is been consultation, design and installation of renewable energy sources as solar photovoltaic, wind, fuel cell systems and the other types of clean energies. Due to the presence in the SBU growth center, ESTA can utilize many laboratories and research centers of the university as fixed and tracker on grid solar photovoltaic, wind turbines, solar and wind simulators, electrical hybrid systems, supercapacitors, fuel cells and solar thermal devices.

Capabilities:

A) Consulting, design and implementation of renewable energies power plants

- Photovoltaic power plants
- Wind farms
- Fuel cell systems
- Hybrid power plants (photovoltaic & wind)

B) Research, design and implementation of Electric Storage Systems (ESS)

- High capacitance supercapacitors
- Hybrid ESS (battery & supercapacitor)

C) Exporting and importing relevant activities in free zones

Products and activities:

- Formulation of iranian energy policy
- Feasibility study and design of 105 MW renewable energy hybrid power plant (photovoltaic and wind) in Moorchehort
- Feasibility study and design of 30 MW solar photovoltaic power plant in Tehran near IKA airport
- Design and construction of EDLSC supercapacitor (500F capacitance)
- Design and construction of HSC supercapacitor (500F, 1000F, 2000F capacitance)
- Design and construction of solar desalination (20 liter)
- Design and construction of solar cooling water
- Design and construction of solar and wind turbine simulator
- Design and construction of solar cookers
- Current activities:
- Design and preparing of setting up 30 MW photovoltaic power plant in Tehran
- Research and development in electric scooter
- Research and development for construction of high efficiency hybrid supercapacitor
- Design and construction of solar desalination (100 liter)



Introduction of director manager:

Dr. Majid Zandi is director manager of ESTA Company. He was born in 1964 in Abadan. Dr. Zandi graduated his PhD in electrical hybrid system by renewable energy sources domain from National Polytechnic Institute of Lorraine in France in 2010. Dr. Majid Zandi is head of renewable energies department in Shahid Beheshti University.

Collaboration:

ASCOT S.R.L (Italy)

- Create the framework for mutual academic and scientific co-operation
- Exchange of technical and academic staff
- Holding conferences, courses and workshop
- Joint research project
- Exchange of scientific information

Alphaware industrial development CO. Ltd (South Korea)

- Photovoltaic power plant project (30 MW) – Tehran – Qom old road

Integrated Electronics Industries

- Co-operation of hybrid electricity generator system (2017)
- Technical and training services in renewable energy technologies (2016)

Shahid Beheshti University (Iran)

- Research and educational co-operation

Marzgostaran Fanavari Company (MGFCo) (Iran)

- Technical and market co-operation

Pishro energy ziggurat (Iran)

- Technical and market co-operation

Company honors:

- 5 patents certified by Intellectual Property Organization with approval vice presidency for science and technology of Iran.
- 2 books in energy engineering systems.
- Number of peer reviewed papers in renewable energy area.