



ZORAYSSMC (Pvt) Ltd.

ZORAYS— ENERGY CONSERVED



ZORAYS MISSION

“Zorays Inc. seeks to harness its exclusive, cutting-edge technology and innovative creativity to deliver global solutions that cater to consumers’ daily needs.”

Khalid Islam, Chief Energy Consultant, Zorays Solar Bijli Pakistan (working since 1987).

AGRICULTURAL BUSINESS PURPOSE

ZORAYS INC. HELPS INTRODUCE BETTER IRRIGATION FOR AGRICULTURAL FARMS WITH SMART NON-INTERRUPTIBLE ALTERNATE ENERGY RESOURCES.

AUDIT - RECOMMENDATION - ENERGY CONSERVATION

YEAR FOUNDED

1st Nov. 2014 with four main departmental functions strategy, auditing, recommendation and innovation.

MISSION AND GOALS

Harmonizing with the environment, a movement toward the building of a Low-carbon Society using Clean, limitless energy.

ENERGY GOALS

Become Leader of the Metropolitan Renewable Energy projects with a deep commitment to understanding the exact requirements of our esteemed clients from public/private sector.

Help Government of Pakistan reach per annum target of Renewable Energy contribution towards energy economy of the country through imports and commissioning of Agricultural Renewable Energy products.

Provide an automated process that will help for rural irrigation become easier.

Promote Bio-gas plant innovative design patents held to utilize cow dung and other crops wastage.

OUR VALUES

We take action, make things real, work smart, have fun, and maintain a positive outlook towards all the things we do.

SIMPLE NO OBLIGATION PROCESS FLOW

Energy Audit to determine accurate requirement

Recommendation of Renewable Energy Solutions including Photovoltaics-Solar Power

Optimization to suit the requirements

Imagery for system designing

Simulation against specifications

Equipment Choice with grading- A and +A and component efficiency against cost effectiveness and warrantee

System designing

Installation, commissioning and operation

Operation training

Surveillance



ZORAYS SOLAR PERFORMANCE

Green Energy Environment induced by GOBO Electric (PV Manufacturing Plant),
Hangzhou Yatai (China State Owned Research and Development Support for Agricultural PV Solar Pumps)
Established trading rights with JFY Pvt Ltd. Shenzhen on their industrial tier product imports,
Promoted Canadian Solar Poly-Crystalline PV Solar Panels and Mono-Crystalline PV Solar Panels,
Eurener Poly-Crystalline PV Solar Panels for frugality,
Hanergy Thin Film Solar Modules for Farm and Agricultural projects,
Highlight Solar (China State Owned PV Solar Panel Manufacturer) import agreement,
Supply Chain REC PV Poly Crystalline Modules from their Singapore,
Tesla Solar to entail extended Local Warranty for our corporate, public and development sector clients,
HiMin Solar Water DC Submersible Pumps and Variable Frequency Drives.

CORPORATE TIMELINE

July 2014, Member- Attendee of Japan Solar Association; Japan PV Solar 2014 Tokyo.
Oct 2014, Company formed and MoU signed with Power Tech Nepal for Electronic Load Controller distribution rights.
Nov 2014, Company's registration with Securities Exchange Commission of Pakistan.
Jan 2015, Member World Future Energy Summit-WESF-2015, Abu-Dhbai .
March 2015, MoU signing with Gobo Solar, China for import of manufacturing of Solar Panels.
April 2015, MoU signing with JFY-Tech for transfer of technology for Solar Power Inverters and Solar Powered Pumping Inverters for Solar Tube Wells.
May 2015, Landed at 5th position in top 100 startups of Pakistan.
Reap Registration (No.421) with Renewable Energy Association of Pakistan .
May 2015, Registered at PEC-C5 with Pakistan Engineering Council.
May 2015 Registered UNIDO Renewable Energy Mentor.
June 2015, Accepted in i2i business accelerator for Bijli Haazir project for angel investment.

[Log on to www.zorays.com for more...]

ZORAYS REACH

Over 350 kW PV solutions portfolio | 46 MHP plants | 2 Biogas Plants | Biogas Multi-fermenter Patent | Largest footprint across 8 districts of Baluchistan, 6 Solar districts of Punjab, 2 of KPK | Fastest growing renewable energy firm | Greatest renewable energy industrial success in Solar Pakistan | Islamabad's largest functional corporate solution | Free energy audit served over 100 clients

ZORAYS PHILANTHROPY

BUILDING PAKISTAN

- Arfa Project V1.0: One Interview Guaranteed: We have knitted a professional community of nearly 45,000 IT enthusiasts and entrepreneurs to help us achieve our Corporate Social Responsibility goals.
- National Center for Rural Development free Solar System donated.
- [Taaleem Foundation Grammar Schools](#) Service Charges 100 per cent waiver.

BEST TEAM OF SOLAR MARKET LEADERS WITH UNPARALLELED RAPPORT

- Zorays Inc. harmonizes the electrical, renewable and design industry by channelizing job opportunities to the youth of Pakistan.
- By implementing BPO: Business Process Outsourcing – we are acquiring high volumes of business through these collaborators and expanding our teams modularly with a current size of 15 employees.
- Pitched Biogas patent to Communication Manager G.E. for MENA region
- Over 50 journals and conference papers in the field of Power Electronic and Electrical Engineering
- Reaching successfully in USA, Japan, South-East Asia & Dubai

Our Chief Consultant: Mr. Khalid Islam,

i). Ex-Director General-PCRET (Pakistan Council of Renewable Energy Technologies): Apex organization of Photovoltaics/ Solar Power, Solar Thermal, Biogas, Micro Hydro Power Plants etc.

ii). Ex-General Manager (Quality, standards and Certifications)-EDB (Engineering Development Board),

iii). Ex-Chairman/Member- PCSIR (Pakistan Council of Scientific & Industrial Research),

iv). Ex-Chairman - PCRWR (Pakistan Council for Research in Water Resources),

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iv). Ex-Director-NPSL (National Physical & Standards Laboratory).

Our Advisor: Dr. Muhammad Sharif, PhD in Solar Thermal-France,

i). Ex-Head of Solar Energy Institute, Hyderabad,

ii). Ex-Head APC & IC (Applied Physics, Computers & Instrumentation Centre), PCSIR, Labs. Complex, Lahore.

Our Strength is Experience of our Chief Consultant Mr. Khalid Islam in Solar Power /Renewables summarized as below:

A). SOLAR and RENEWABLES PROJECTS COMPLETED:

i. Installation of 10 MW Solar Panels/PV Modules Production plant at PCRET.

ii. Public Sector Development Projects of Solar Power & Renewable Energy:

a. Completed Project #1: Up-Gradation of Facilities to Produce Silicon Solar Cells and Modules up to 80 kW Annual Capacity Amounting to Rs. 418.498 Million

b. Up-Gradation of Facilities to Produce Silicon Solar Cells and Modules Up to 80 kW Annual, amounting to Rs. 418.498 Million

c. Installation and operation of 100 MHP in KPK and AJK, amounting to Rs. 895.00 Million

d. Project #2: Development and Promotion of Biogas Technology for Meeting Domestic Fuel Needs of Rural Areas and Production of Bio-Fertilizer., amounting to Rs. 97.648 Million

B). New PSDPs prepared and submitted to Ministry of Planning and Reforms:

i. Prepared and submitted following five projects to Ministry of Science and Technology/ Ministry of Planning and Reforms Govt. of Pakistan.

Installation of 1000 Solar Tube Wells Throughout Pakistan

Solar Solution for Homes and Offices for Meeting Energy Demands

Development and Dissemination Of Micro And Mini Hydro Power Plants In Public-Private Partnership

Green Public Buildings Project, Islamabad

Installation of Biogas Plants, a substitute of Natural Gas and Chemical Fertilizer

ii. Provision of Sun-Tracked-Solar Troughs for Heating Water for Boilers/Steam Generation for Industrial use, amounting to Rs. 55.30 Million (on going PSDP of EDBM Ministry of Industries & Production, Gov of Pakistan.

C). Solar Thermal and Biogas Patent Applied:

i. Patent applied No. 521-2014, Title: Single Axel, Sun Tracked, Auto-Rotational Commercial Solar-Thermal Dryer.

Applications: Large Scale and Commercial Drying of Flowers, Fruits, Vegetables, Crops, Grains,

Beans, Herbs, Papers, Woods and other commodities etc.

ii. Patent applied No. 522-2014, Title: Multi-Fermenters and Single Digester Bio-gas Plant. Applications: Generation of biogas using 25 types of Bio Masses with 33% improved efficiency.

ORGANIZATIONAL SETUP

KHALID ISLAM

Chief Consultant

ZORAYS KHALID

Chief Executive Office

TALAL HASSAN SIDDIQUI

Chief Operating Officer

MUHAMMAD FAYSAL

Business Development Consultant

DR. HADEED AHMED

Technical Director

KHURAM SAUD

Marketing and Sales Champion

MOHAMMED HASSAN MALIK

Business Development Champion

AWAIS ALI

Electrical Design Guru

MEHROZE RAFIQUE

Pro Bono Net Metering Consultant

AWAIS UR REHMAN

Research and Development Expert

TAYYAB REHMAN

Site Engineer

UMER FAROOQ MALIK

Civil Consultant

USMAN HAYATT

Marketing Head

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BASIT ISLAM

Fabrication Consultant

MEMBERSHIP PORTFOLIO

SECP CUI 0090517: Company Registration

PEC 12951: Technical Registration with Pakistan Engineering Council

PCRET PVP-2312: Technical Registration with Pakistan Council of Renewable Energy Technologies Association of Pakistan

IEEE 93334858: International

Japan Solar-2014: Japan Solar Association

INTERNATIONAL CONFERENCES

GRE 2014: Green Renewable Energy

ARES 2014: Alternate and Renewable Energy Summit WFES 2015: World Future Energy Summit

INTERNATIONAL PARTNERS

REC-Australia

HK EVERGREEN-China

GOBO SOLAR-China

Marsrock Solar-China

JFY TECH-China

TOSHIBA-Japan

POWER TECH- NEPAL

BANKING AND TAX INFORMATION

Dubai Islamic Bank: 0254453001

NTN: 4394039-7

STRN: 0300439403912

Submitted with best regards

(Zorays Khalid),

CEO

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