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COMPANY PROFILE 2021

Karachi: +9221-35865896-7 Islamabad: +9251-2348617-8 Lahore: +9242-35948890

www.adaptive-tec.com | info@adaptive-tec.com

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INTRODUCTION

Adaptive technologies (Pvt) Ltd is a progressive enterprise that aims to provide superb quality, cost effective, reliable and efficient solutions in the field of alternative energy and energy efficiency. Keeping the end user in mind at all times, the company provides complete one window EPC solution from design, supply, manufacture, installation, commissioning and after sales support. With our footprint spanning across Pakistan we have developed MW scale projects across the country.

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Projects

Karachi
Hub
Hyderabad
Mirpurkhas
Sanghar
Umerkot
Ranipur
Sukkur
Larkana
Jacobabad
Lahore
Faisalabad
Sahiwal
Okara
Islamabad
Muzaffarabad
Bahawalpur
DG Khan
Multan

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VISION

We envision a future where renewable power energy is made accessible to people across the world.

MISSION

To deliver more renewable energyprojects with satisfied customersand provide our clients with highperformance solar systems.

OUR SERVICES

Site Survey
Pre-limiary and detailed design
Fesibility Study
Project Finance
Project Management and Execution

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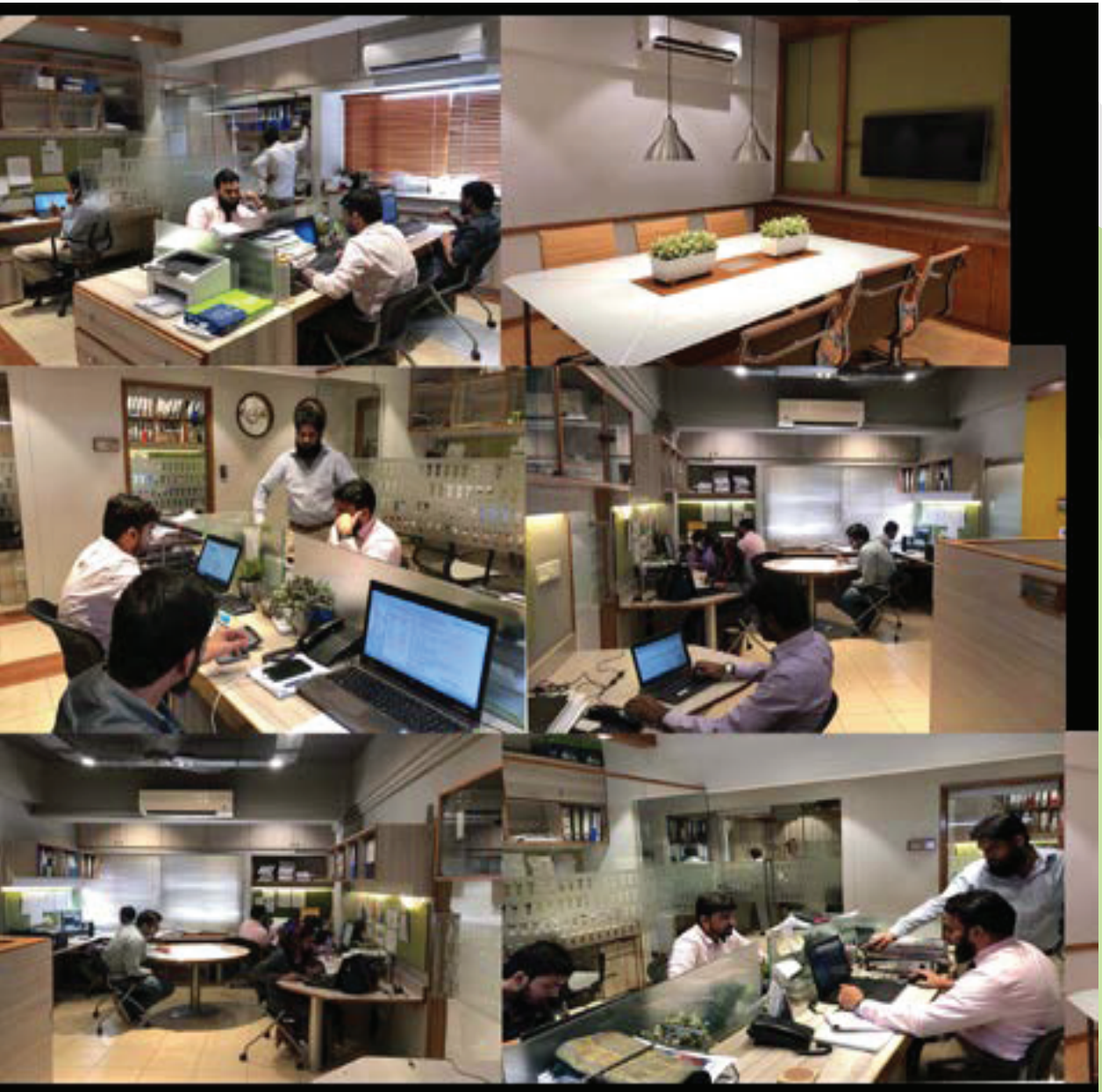
Range Of Services



- Site Survey
- Pre-limiary and detailed design
- Fesibility Study
- Project Finance
- Project Management and Execution

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Solar PV Project

Project Development

Site investigation
Primary Design
Project Feasibility Analysis
(Technical & Financial)

Final Design & Procurement

Detailed Design & Drawings
Final Selection of Equipment
Procurement of Equipment
from Technology Partners.

Planning & Execution

Execution Planning
Civil Works
Mechanical Installation
Electrical Installation
Testing & Commissioning
Handover

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Project Portfolio

Batteries

Trojan, USA

Leoch, China

Mounting Structure MS,

AL, GI, Powder Coated, HDG

Inverters (On Grid & Off Grid)

Solar JinKO

Building **Your Trust** in Solar

HUAWEI

GOODWE YOUR SOLAR ENGINE

invt

SMA

Trinasolar

LONGi Solar

SUNGROW Clean power for all

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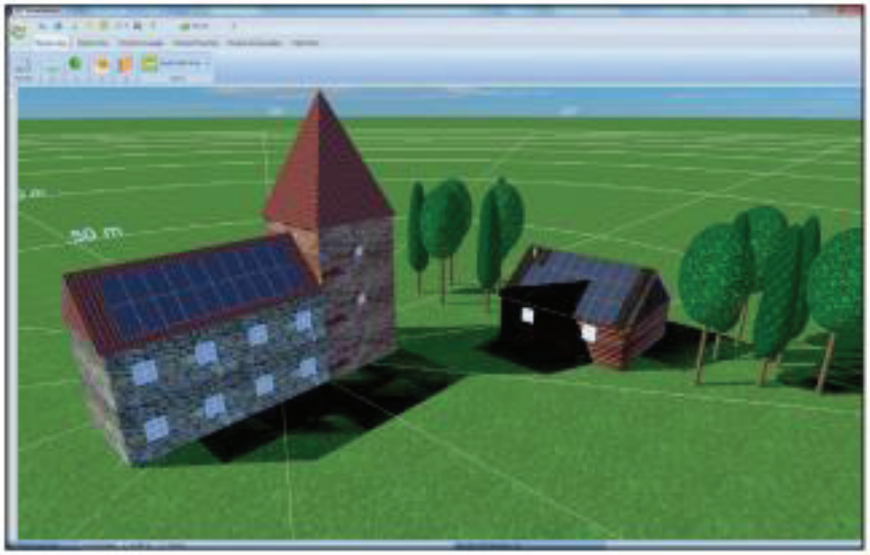
Software

PV*SOL® premium

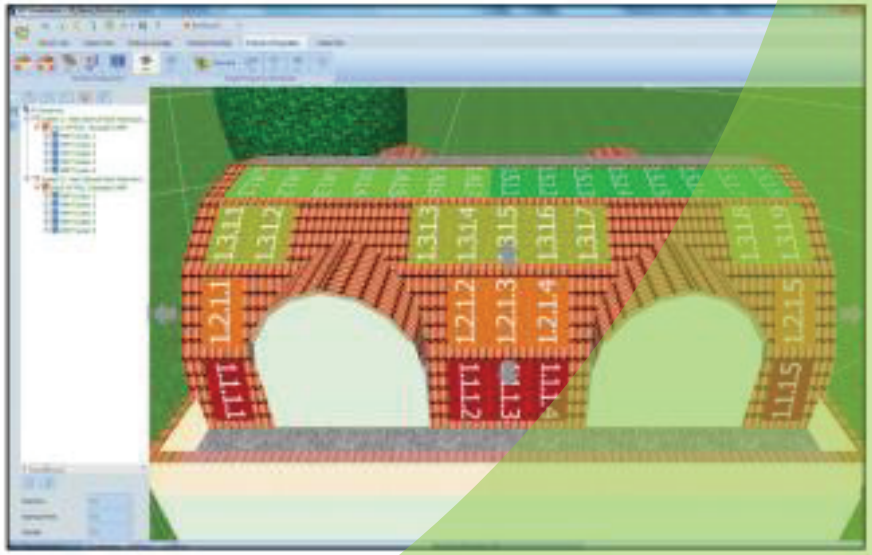
The more realistically the shading of a PV system through objects in the immediate vicinity can be simulated, the more accurately the yield can be calculated. It is therefore an advantage to work with the 3D visualization in PV*SOL® premium.

PV*SOL premium

You can visualize roof parallel and mounted systems with up to 5,000 modules in 3D, and calculate the shading on the basis of 3D objects (also for ground mounted systems). Through the detailed analysis of the shading of individual modules, the effect of power optimization on the system yield can also be precisely visualized in PV*SOL® premium. PV*SOL® premium includes also all features from PV*SOL®.



Animation of the course of the sun



Module string configuration

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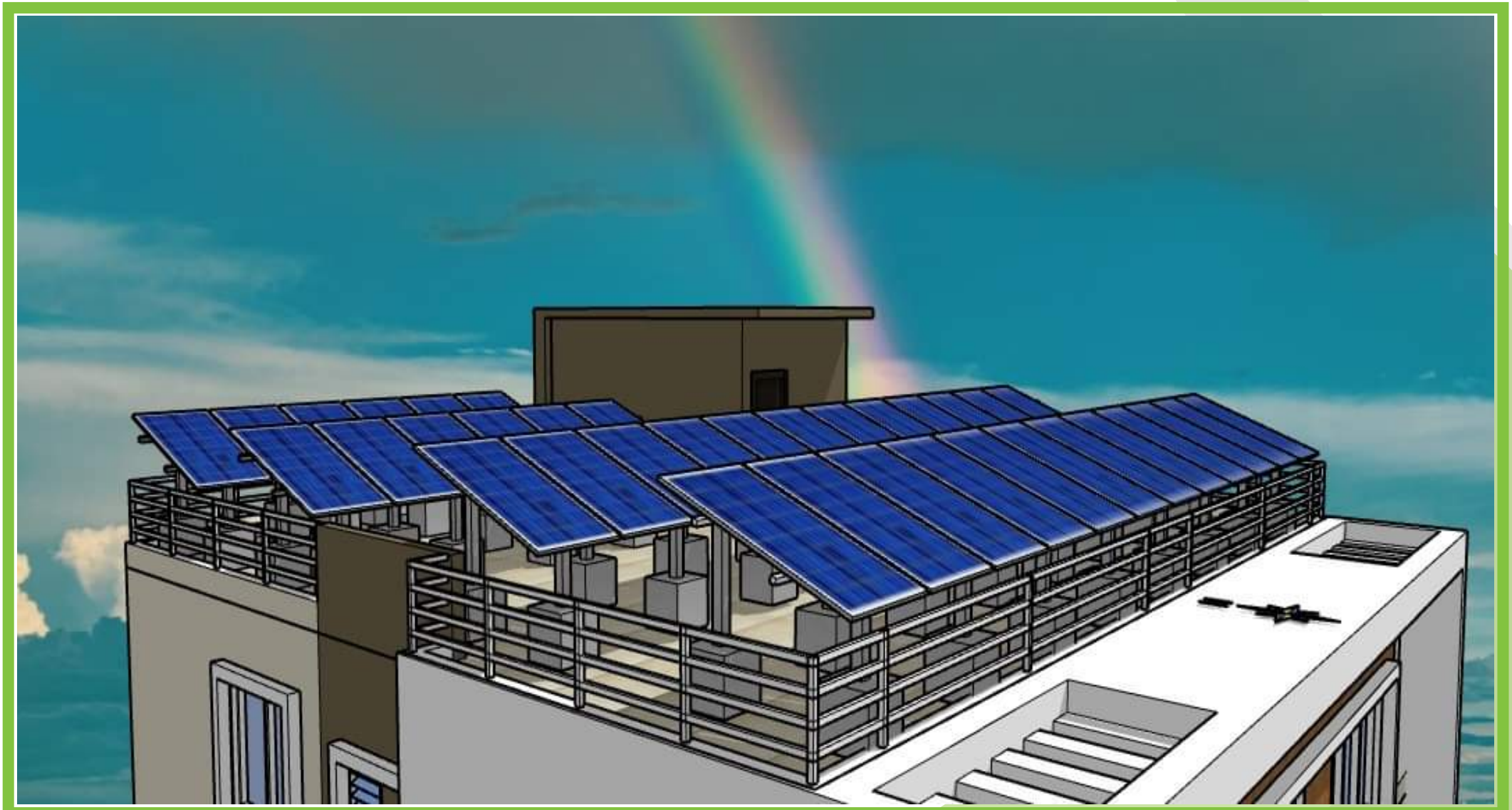
Software



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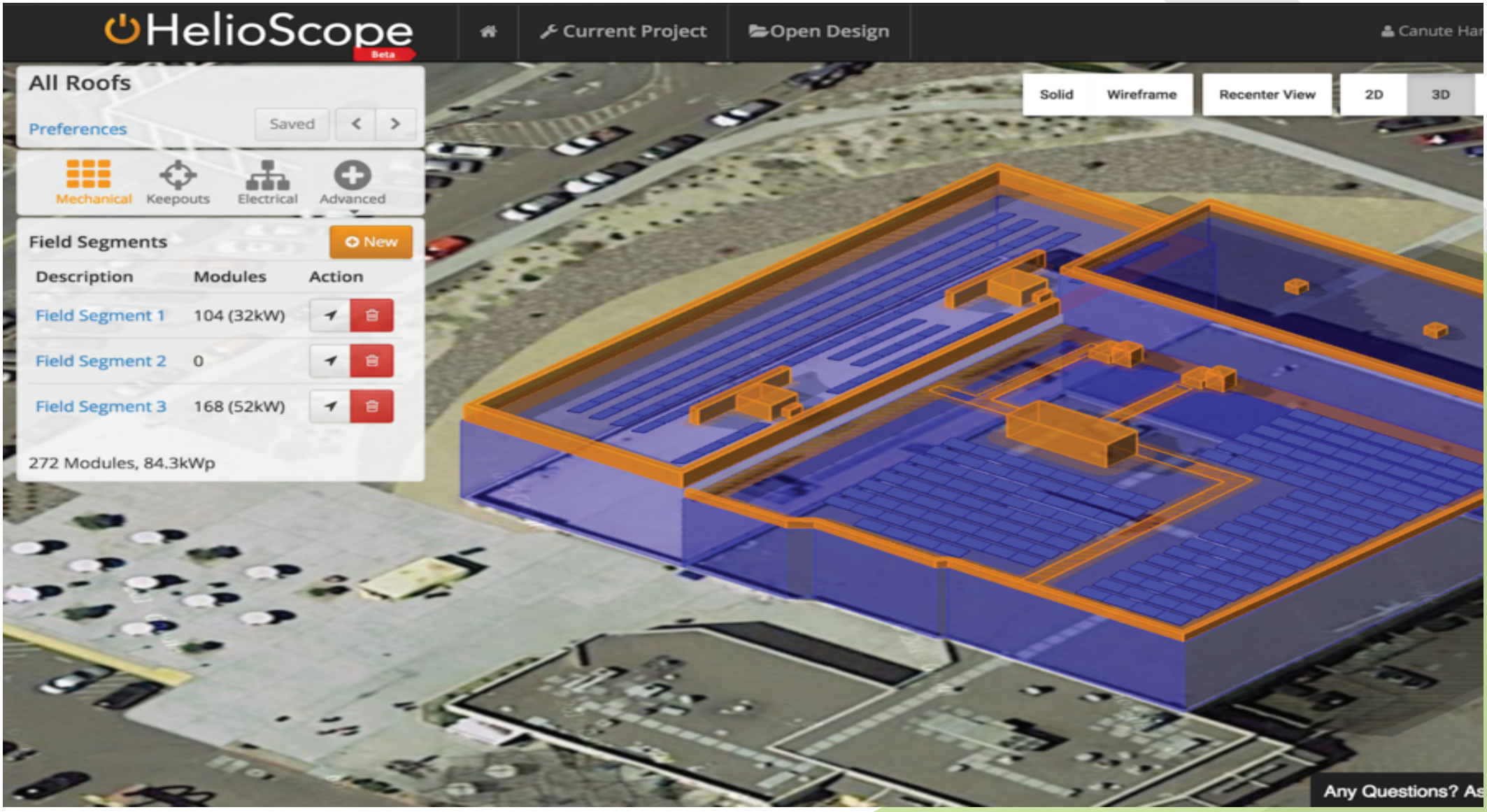
Software



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Software Monitoring

Solar-Log™ WEB Monitoring Software More than just PV Monitoring

With Solar-Log WEB Enerest™, installers, plant operator and service providers can provide plant owners with individualized care according to their specific needs and preferences. The function classes and plant sizes make it possible to have a precise classification of three module-based categories: Solar-Log WEB Enerest™ M, L and XL. They provide the option to offer tailored solutions at a competitive price-performance ratio.

The Solar-Log™ Dashboard provides a quick overview of the photovoltaic plant's performance and is available with Solar-Log WEB Enerest™ L and XL. The display of the PV plant's performance data can be customized with indi-vidual image and text modules. In addition, with the Solar-Log WEB Enerest™ app plant owners always have an overview of their PV plants and access to their plant data.

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Training

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Certificate

ENERGY THAT CHANGES SMA

CERTIFICATE OF ATTENDANCE

SHAAF MEHBOOB

took part in the SMA Training on MPS (Grid-connected) on 25th January, 2015 in Dubai, United Arab Emirates.

The seminar covered the following topics:

- Basics of Photovoltaics – PV Plant Design
- Pulse Width Modulation – PWM
- Topologies – Inverter with and without transformers
- Grid management
- Monitoring & Controlling
- Plant design

Trainer: **AHMAD HAMDAN**

SMA SOLAR | ACADEMY
Be a solar expert

ENERGY THAT CHANGES SMA

CERTIFICATE OF ATTENDANCE

SHAAF MEHBOOB

took part in the SMA Training on OFF-GRID SYSTEMS on 26th January, 2015 in Dubai, United Arab Emirates.

The seminar covered the following topics:

- Advantages of AC coupling compared to DC coupling
- Sunny Island systems
- Battery management
- Multifunctional relays and system management
- *Systems with different power outputs*
- Design, installation and monitoring of island systems

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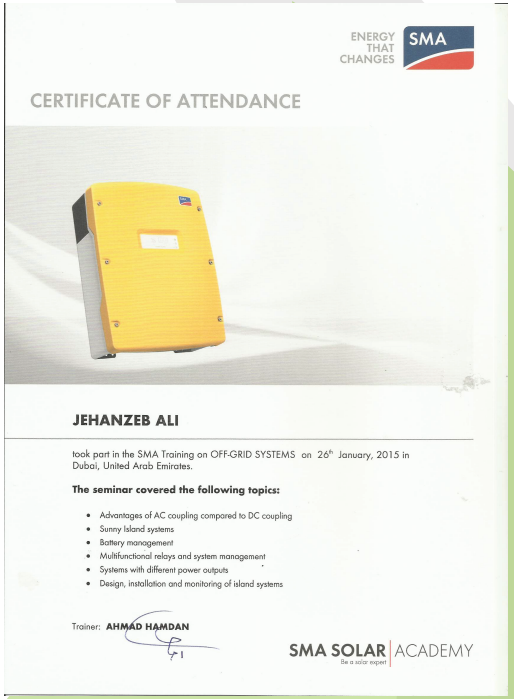

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Certification from AEDB in Highest category

GOVERNMENT OF PAKISTAN
MINISTRY OF ENERGY (POWER DIVISION)
ALTERNATIVE ENERGY DEVELOPMENT BOARD (AEDB)

AEDB

Certificate of Enlistment

Certificate No. CR/20/034/ARE-V1

This is to certify that M/s Adaptive Technologies (Private) Limited having registered office at Suit No. 03, 4th Floor Dean Arcade, Clifton Block No. 08, Karachi, is hereby enlisted for on-grid / off-grid & hybrid renewable energy installations of capacity upto 1000 KW as Vendor / Installer / Service Provider in Category ARE – V1 under Alternative Energy Development Board (Certification) Regulations, 2018. This Certificate is issued on 28th October, 2020 and valid till 27th October, 2021.

SECRETARY AEDB

Government of Pakistan
Alternative Energy Dev. Board
Ministry of Energy (Power Division)
Off Building G-5/2, 4th

Note: This certificate is the property of AEDB, extendable on request.

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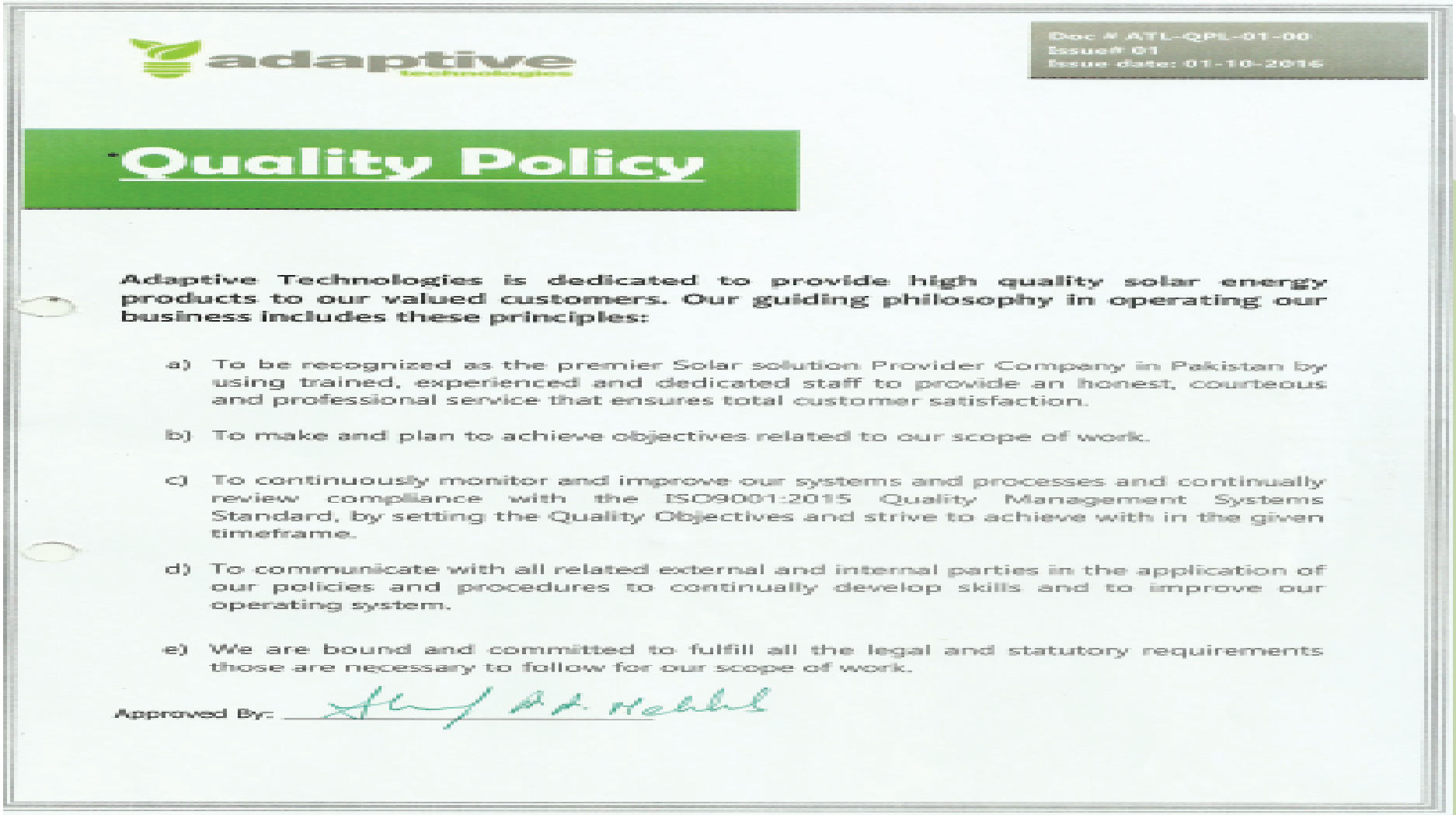
Quality Policy



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Doc # ATL-QPL-01-00
Issue# 01
Issue date: 01-10-2016

Quality Policy

Adaptive Technologies is dedicated to provide high quality solar energy products to our valued customers. Our guiding philosophy in operating our business includes these principles:

a) To be recognized as the premier Solar solution Provider Company in Pakistan by using trained, experienced and dedicated staff to provide an honest, courteous and professional service that ensures total customer satisfaction.

b) To make and plan to achieve objectives related to our scope of work.

c) To continuously monitor and improve our systems and processes and continually review compliance with the ISO9001:2015 Quality Management Systems Standard, by setting the Quality Objectives and strive to achieve with in the given timeframe.

d) To communicate with all related external and internal parties in the application of our policies and procedures to continually develop skills and to improve our operating system.

e) We are bound and committed to fulfill all the legal and statutory requirements those are necessary to follow for our scope of work.

Approved By: _____

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Our Clients

SOORTY ENTERPRISES

JS BANK

asia PETROLEUM

USAID FROM THE AMERICAN PEOPLE

Junaid Jamshed

BAHRIA TOWN

HBL

HABIB BANK حبیب بینک

KOHINOOR ENERGY LIMITED

Artistic Milliners DENIM COMPANY OF THE FUTURE

Getz pharma A member of The Getz Group, U.S.A.

elmetec

unicef

THARDEEP RURAL DEVELOPMENT PROGRAMME TRDP

INTERNATIONAL TEXTILE LIMITED

Hilton PHARMA

GARIBSONS (PVT) LTD

FAIZAN STEEL SYMBOL OF QUALITY

Olivia®

telenor

INDIGO Textile (Pvt.) Ltd.

PATEX THE DURABLE AND TOUGH BOARD PAKITEX BOARDS KARACHI BUILD TO LAST

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Sector wise Selected Project

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1 MW Rooftop PV System (Denim Sector)

Project Profile : Soorty Enterprises Pvt Ltd

PROJECT DETAILS

Project Name	SEL
Location	Karachi
Installed Power	1 MW
PV Technology	Poly crystalline
Module Type	Trina Solar 345 Watt
Inverter Type	SMA (STP CORE 1 50KW, 15 pcs)
System Type	On Grid System
Mounting System	Fixed angle
Installation Type	Roof top Installation

Comments

- This is one of the largest Roof Top On Grid Solar Systems in Pakistan
- Structure is raised 13 feet high from roof level
- The roof top installed PV array produces 1241 MWh/year

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467kWp Rooftop PV System(Pharma Sector)

Project Profile : Gets Pharma

PROJECT DETAILS

Project Name	GZ
Location	Karachi
Installed Power	467 kWp
PV Technology	Mono crystalline
Module Type	Trina Solar 400W
Inverter Type	SMA (SHP 75 KW)
System Type	On Grid System
Mounting System	Fixed angle
Installation Type	Rooftop Installation

Comments

- The rooftop installed PV array Produces 741 MWh/year

234kWp Rooftop PV System (telecom Sector)

Project Profile : Telenor Head Office

PROJECT DETAILS

Project Name	**Telenor Head Office**
Location	**Islamabad**
Installed Power	**234 kWp**
PV Technology	**Mono crystalline**
Module Type	**LG Electronics Inc. LG290N1C**
Inverter Type	**SMA (STP 60 KW)**
System Type	**On Grid System**
Mounting System	**Fixed angle**
Installation Type	**Roof top Installation**

Comments

Solar PV System monitoring through BMS
Award winning PV Modules from
LG have been used in this Project
The roof top installed PV array produces 427
MWh/year

194kWp Ground Mounted PV System (Oil and Gas Sector)

Project Profile : Asia Petroleum

PROJECT DETAILS

Project Name	Asia Petroleum Ltd
Location	Karachi – Port Qasim
Installed Power	194 kWp
PV Technology	Poly crystalline
Module Type	Trina Solar 320Wp
Inverter Type	SMA (STP 25 KW x 7)
System Type	On Grid System
Mounting System	Fixed angle
Installation Type	Raised Ground Mounted

Comments

- Custom designed structured (Nut/Bolt Arrangement)
- System installion meeting all Oil & Gas industry codes and practices
- The roof top installed PV array produces 354

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1.7MWp RooftopPV System (textile Sector)

Project Profile : Artistic Mellinier

PROJECT DETAILS

Project Name	AM-17
Location	Karachi
Installed Power	194 kWp
PV Technology	Poly crystalline
Module Type	Trina Solar 320Wp
Inverter Type	SMA (STP 25 KW x 7)
System Type	On Grid System
Mounting System	Fixed angle
Installation Type	Raised Ground Mounted

Comments

- Custom designed structured (Nut/Bolt Arrangement)
- System installion meeting all Oil & Gas industry codes and practices

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800 KW RooftopPV System (food Sector)

Project Profile: Matco Foods

Project Details:

Project Name	Matco Foods
Location	Gujjaranwala
Installed Project	Mono perk
PV Technology	Trina Solar
Module Type	490 W
Inverter Type	Huwawie
System Type	On Grid System
Mounting System	Fixed angle
Installation Type	Raised Ground Mounted

2 MW Rooftop PV System (Rice sector)

Project Profile: Garibsons

Project Details:

Project Name	Garibsons
Location	Punjab
Installed Project	Mono perk
PV Technology	Trina solar
Module Type	400W
Inverter Type	Huwawie
System Type	On Grid System
Mounting System	Fixed angle
Installation Type	Raised Ground Mounted

Comments:

-
-

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Thank You!