



Ronikal Energy

Secure Solution For Your Powered Future

About Us

Ronikal Energy is ready to meet the challenges of the rapidly growing global renewable energy market with a strong in-house engineering capability, global scope and unmatched responsiveness.

Authorized Distributor for Tesla Industries PVT LTD.

Ronikal Energy is Managed & Owned by Ronikal Group.

Ronikal Energy is one of the leading Renewable Energy solution providers in Pakistan, founded in 2016, head office located in the heart of Pakistan's trading and economic hub - Karachi, Pakistan. With its industrial expertise, cutting edge research and development lab, and technical capabilities, Ronikal Energy is able to provide operations in various cities and villages throughout Pakistan.

We at Ronikal believe our true value lies within the hard work, proven experience, safety and customer-centric solutions, which we are able to bring to each and every job or project. Our aim is to offer our customers the intensive development of technology and provide expert technical support for rapid improvement in their efficiencies & competencies for long term sustainability and growth.



Our Mission

“To expand the global Renewable industry to provide clean & Green energy through the best possible customer service, quality of products and competitive prices.”

Our Vision

“To be the leading, innovated Energy company and serve it globally.”

Our Core Values

“We are independent, we accept responsibilities, we are highest quality provider in everything we do, we are trustworthy, we are innovative, our employees are the key factor in our company”

What We Do

We have the experience and capacity to support energy projects from inception, throughout the development and construction stages and for the complete lifetime of the plant.



Development &
Planning



Trading



Engineering Procurement
& Construction



On-Site
Installation



Consultancy
& Auditing



Operation &
Technical Support



Development & Planning

- Site identification and assessment
- Energy yield studies & optimization
- Electricity grid interconnections, Planning and building
- Project Development
- Project Pipeline Acquisition
- Financial feasibility
- R&D Lab



Trading

- Solar Inverters
- Solar Panels
- Solar Street Lights
- Batteries
- Mounting Frames
- Accessories
- Water Pumps & inverters



Engineering Procurement & Construction

- Optimized in-house engineering & design.
- Procurement strategy based on approved Tier-1 suppliers
- Energy storage integration and Grid Tie solutions/products supply
- Electrical substations and grid interconnections.
- Civil Work/CAD Design



On-site Installation

- Ground & Roof Mounting Installation
- Experienced Team for Project execution.
- On Site Management
- Industrial Grade Installation



Consultancy & Auditing

- Green Energy Audit
- Load Management Consultancy/Audit
- System Design Consultancy
- Products Consultancy
- Custom Clearance/Import Consultancy



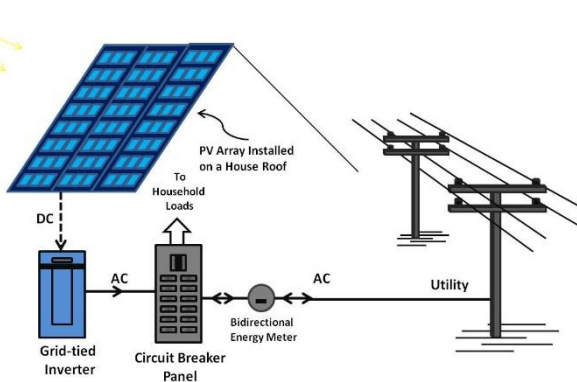
Operation & Technical Support

- Preventive maintenance programs
- Spare parts management
- Site maintenance
- 24/7 remote plant monitoring.
- Plant availability guarantees
- Repairing Centre
- 24/7 Customer Care Centre

Solutions/Services We Offer

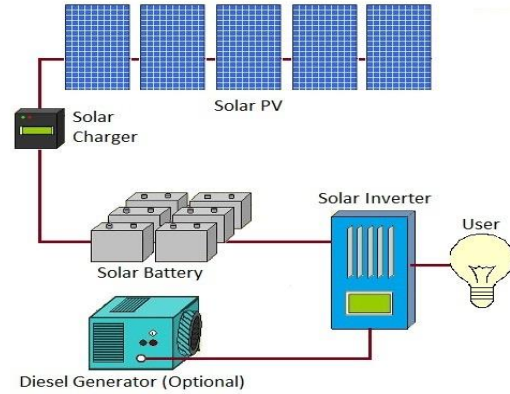
We apply our industry knowledge and engineering capacity to bring the potential of Renewable Energy to the world. Ronikal Energy can promise that we never compromise on the nature of our Services and provide finest/economical solution as per need.





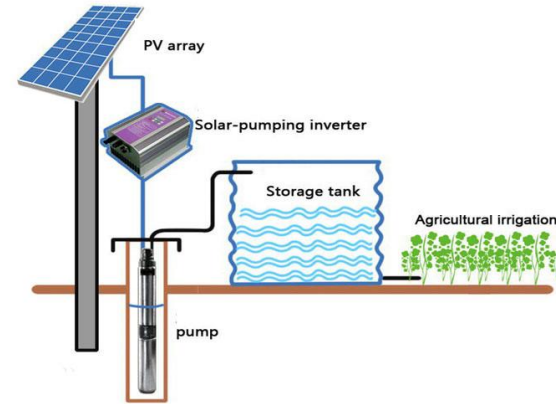
Grid Tie Solar Solution

A "grid-tie" solar system is one that ties into the power grid, pulling electricity from the grid when needed, then pushing excess electricity back into the grid when the local customer isn't using. This solution is suitable for reducing electricity bills as benefits can be taken from Net Metering System.



Hybrid/ Off Grid Solar Solution

It is a system combination of standalone and grid connected system. During the daytime loads are operated by solar. If the solar is unavailable system automatically shifts to battery or utility. This solution is suitable for load shedding areas. In Hybrid mode, the solutions operate as On-grid mode as well as Off-grid mode.



Solar Water Pump Solution

Photovoltaic powered pumping systems meets a broad range of water needs. Most of these systems have the added advantage of storing water for use when the sun is not shining, eliminating the need for batteries, enhancing simplicity and reducing overall system costs. This system is widely used and feasible for Agriculture lands.



DC Solar Solution

An increase in the DC appliances in your solar applications enables a significant reduction in system costs as well as the optimization of annual energy production. To comply with these challenging conditions, Ronikal offers a comprehensive product portfolio that are Ready-to-use power stacks.



Operation & Maintenance

We provide full support and add value to its customers through a concept of integrated service and maintenance management, through its Technical Service Department.



Wind/HydroPower Solution

We are offering services in wind and hydro power solutions as per requirement.

Ronikal Energy effectively meets all the challenges regarding wind and hydro projects with experience technical knowledge and business expertise.



Energy Audit/Consultancy

Our team renders top class Energy Audit and consultancy Services. We provide a concise picture about the energy consumption required in your production unit, business workplace and homes.



Custom Clearance/Import Services

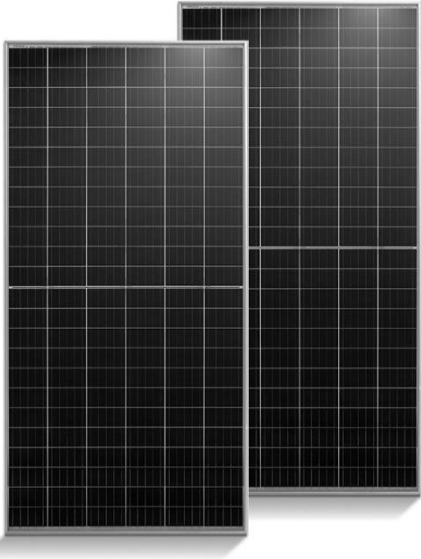
Offering unparalleled Custom Clearing Services. Our sister concern company MYC has been growing day by day as a trustworthy and popular Custom Clearing Agents, offering world class Custom Clearing Services from Pakistan. MYC and Ronikal Together provides all window solution for our client.

What We Trade

Authorize Distributor for Tesla Solar (South Region Pakistan)

At Ronikal, we distribute products from strategic manufacturer partners. We supply the full range of solar PV components including inverters, modules, structures and complete balance of system ensuring the best coverage for all our projects.





Solar panels

Type: Tier 1 Poly/Mono (Standardar, Half Cut, PERC, Bifacial)

Brands: Tesla Solar, Canadian, Longi, Trina, Astronergy, JA Solar

Wattage Range :

160 W, 270 W, 330 W, 410 W, 450 W, 540 W, 590 W, 650 W



Solar Inverters

Type: Off-Grid, Hybrid, On-Grid/Grid Tie

Brands: T Solar, Inverex, Chint, Knox

Hybrid/Off Grid Range:

Single Phase (3 kW, 5 kW, 7.2 kW, 10 kW, 15 kW, 20 kW, 25 kW, 30 kW)

Three Phase (9 kW, 15 kW, 30 kW, 60 kW, 120 kW)

On-Grid/Grid-Tie Grid Range:

5 kW, 10 kW, 15 kW, 22 kW, 30 kW, 50 kW, 60 kW, 110 kW



Batteries/Cell

Batteries/Cell: Tesla Solar, Ritar, Narada, Pylon Tech, SES Power, Phoenix

Dry Batteries (12 Volt):

100 Ah, 150 Ah, 200 Ah

Tubular Batteries (12 Volt):

110 Ah, 185 Ah, 230 Ah, 280 Ah

Dry Cell (2 Volt):

200 Ah, 300 Ah, 400 Ah, 600 Ah

Lithium Ion:

12 V : 55 Ah, 100 Ah, 150 Ah, 200 Ah

48 V : 50 Ah, 75 Ah, 100 Ah



Solar Water Pumps

DC Water Pumps: Greenfoss, Larens, Grundfos

Capacity: 60 W to 2400 W

AC Water Pumps: DAB, Taifu Alarko, TecaSea

Motor capacity : 1.5 hp~ 25hp

Delievey in Inches : 1.25~6 inches



Solar Structures

Galvanized Roof Top Framing:

Parking Frames

Angle Iron Frames

Battery Racks

Hot Dip Galvanized Frames

Aluminium Frames

Custom designed frames are available as per site requirement



Solar Street Lights

All in One: Panel, lithium battery and lights all built-in in one unit.

Power range: (10W – 90W)

Customised streetlight available as per request.



Solar Pump Inverters

Solar Pump Inverters: Tesla

Solar, JFY, Moso

(Range 2.2 KW to 70 KW)

VFD: INVT, Delta, LS

(Range 2.2 kW to 70kW)



Solar system accessories

AC & DC Breakers and Fuses

AC & DC Wires

MC 4 Connectors

Earthing Material & Lightning Arrestors

Surge Protection Device

SS Nut & Bolts and Rawal Bolt

Electric Pipes & Ducts

Change Over and Distribution Boxes



EV Charger

- **Charger Range:**
Residential Charger : 3kw, 7kw, 22kw
Commercial Charger : 30, 60, 90, 120 upto 240kw)
- Built-in Wi-Fi & Bluetooth
- All kind of Voltage, Current & Surge Protection.
- CHadeMO & CCS Plug
- 1 Year Limited Warranty



Smart Hybrid Geysers

- Nominal Capacity: 35, 55 Gallons
- Auto switching to Electric heater in case of Gas loadshedding.
- On Board/Remote turn on/off and 24 hrs scheduling.
- Electric Consumption: 3000 W x 2 (1-Grid, 1-Solar Optional).
- 10 Gauge Tank & 1 Year Warranty



Patio Heater

- Impulse Ignition
- Works in Rain & Wind
- Heat Input: Max 11.5 kW
- Gas Pressure: 28-50 mbar depending upon the mixture
- 1 Year Limited Warranty



Electric Vehicles (EV)

- 11-seater Mini Bus/2- Seater Cargo Van.
- LiPo Super Long Life Battery.
- Fire Retardant Roof, Air bags & Seat Belts.
- ABS Brakes, LED Headlights & Fog Lights
- Navigation, Parking Sensor & Reverse Camera
- Super Fast & Slow Charging
- Dual Sliding Door
- Regenerative Brakes
- Dimension: 4500 * 1680 * 1985 (LxWxH).
- Battery Capacity (kwh): 42 kwhr, Max Power: 60 kW (Torque 200 N.m)
- Mileage: 225km @ 110km/h, 250@ 80km/h
- Charging time: 1 hour (Fast Charger), 6-8h(Slow Charger)
- Weight Capacity: 1Ton
- WARRANTY: 150,000 km or 5 years Warranty (Whichever comes first)

TAIFU[®]



TOPRAY
Solar

Growatt
powering tomorrow

 **GOODWE**
your solar engine

 **CanadianSolar**

Trinasolar


ASTRONERGY
ΑΣΤΡΟΕΝΕΡΓΕΙΑ

JA SOLAR



Knex[™]
Powering Generations

 **Voltronic Power**
Advancing Power

Solar

JFY

Jinko Solar

 **INVEREX**[®]
SOLAR ENERGY

invt

DAB
PUMP PERFORMANCE

 **CPS**
Chint Power Systems

LONGi Solar

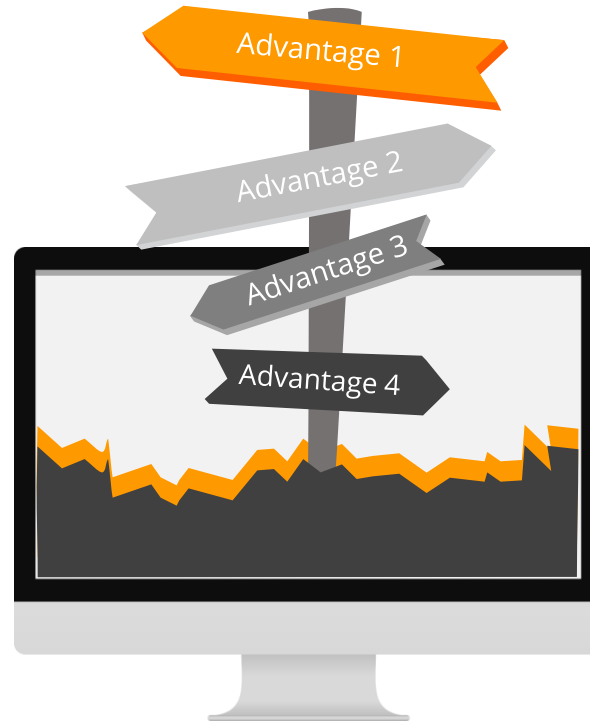
Competitive Advantage

Experts in Project Execution

Successful implementation of utility-scale solar power projects demands highly effective project management and planning from commencement up to hand-over to the client.

Engineering Expertise

We are highly experienced not only in solar system design, but also in engineering solutions for grid interconnections including state-of-the-art electrical substations.



Complex projects

Our group has an unmatched capability to effectively handle innovative and technically challenging applications including energy storage integration and hybrid power generation.

Creative Community Solutions

Ronikal is generating the cheapest source of renewable power for the state's utility. To help reduce impact on the natural landscape and community,



Our Projects

Commercial Project

350 KW On-Grid Solar Solution with Net-Metering

Solar Panel Installed:

- Brand : Tesla (Astronergy)
- Wattage : 410 Watts

On- Grid Inverter:

- Brand: Chint
- Rating : 60 kW

Structure:

- Aluminium Structure (Ground-mount)

Loaction:

- National Highway, Karachi.

Our Projects

Commercial Solution

20 KW Off-Grid Solar Solution with Solar priority 24 KW, 24 Hour Backup

Solar Panel Installed:

- Brand : Tesla Solar (Topray)
- Wattage : 330 Watts

Solar pump Inverter:

- Brand: Tesla solar (Voltronics Power)
- Model : MKS 5KVA-6000

Solar Batteries:

- Brand: Volta
- Model : MKS 5KVA-6000

Loaction:

- SZABTECH Institute, Gharo



Our Projects

Commercial Solution

20 KW ON-Grid Solar Solution With Net-Metering

Solar Panel Installed:

- Brand : Tesla (Canadian)
- Wattage : 545 Watts

On- Grid Inverter:

- Brand: Chint Power
- Rating : 20 kW

Structure:

- Hot Dip Galvanized Elevated Structure

Loaction:

- Phase VI, Defence, Karachi.



Our Projects

Solar Pump Solution

18 KW Solar Pump Soutlion

Solar Panel Installed:

- Brand : Astronergy Tier 1 Poly
- Wattage : 330 Watts

Solar pump Inverter:

- Brand: Tesla solar/JFY
- Rating : 18.5 KW 400 V - 3 phase AC

Structure:

- Galvanized Ground Mounting Frames 14 Guage

Loaction:

- Memon Goth, Karachi



Our Projects

Residential Project

10 KW On-Grid Solar Solution with Net-Metering

Solar Panel Installed:

- Brand : Tesla (Astronergy)
- Wattage : 330 Watts

On- Grid Inverter:

- Brand: Solis
- Rating : 10 kW

Structure:

- Customized Structure (Pipe Based)

Loaction:

- Phase VIII, Defence, Karachi.



Our Recent Solar Projects

Residential, Commercial & Industrial Portfolio



30 kW On-grid Solution

Location : Mehmoodabad, Karachi

Installation Date: 2019

Inverter: Solis, Panel: Astronergy



15 kW Hybrid Solution

Location : New Sabzi Mandi, Karachi.

Installation Date : 2021

Pump Inverter: Infinii VII Panel: Astronergy



25 kW On-grid Solution

Location : Johar, Karachi

Installation Date: 2022

Inverter: Chint, Panel: Astronergy



15 kW Off-grid Solution

Location : Bin Qasim, Karachi

Installation Date: 2021

Inverter: Infinity HLE, Panel: Astronergy



10 kW On-grid Solution

Location : DHA Phase 8 Karachi

Installation Date: 2021

Inverter: Solis, Panel: Astronergy



5 kW On-grid Solution

Location : Bahria Town, Karachi

Installation Date: 2021

Inverter: Knox , Panel: Astronergy

Solar Structures

Residential, Commercial & Industrial Solar Structure Portfolio



Galvanized Ground Mounting Frame



Pipe Based Customized Structure (Low Height)



Aluminum Ground Mounting Frame



Pipe Based Elevated Structure

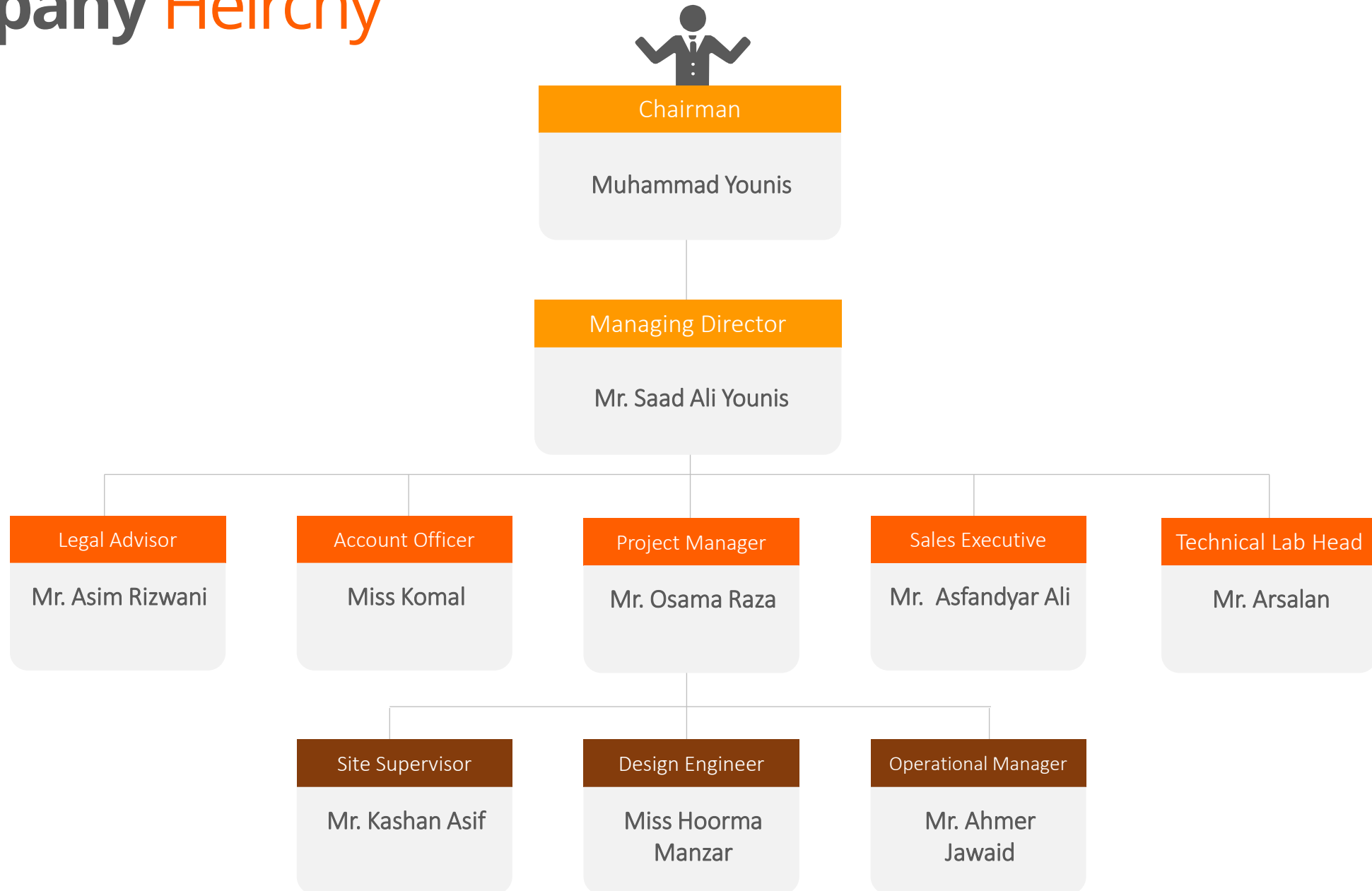


H-I Beam Elevated Structure



Hot Dip Galvanized Elevated Structure

Company Heirchy



Our Clients



Thank You

**For your Desired Energy Solution,
Contact Us:**

Head Office:

6-U, Block 6, PECHS, Karachi, Pakistan

Phone # 021-34330100

Mob # 0333-5342244

Email : info@ronikalenergy.com

Web: www.ronikalenergy.com

Bahria Town Karachi:

Office # 1, P-10 A, Shopping Gallery,
Bahria Town Karachi, Pakistan.

