Company Profile

(Geotechnical, Geophysical Instrumentation & Alternative Energy Divisions)

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ABOUT US

National Engineers (NE) was established in 1982. We are an engineering oriented company, with a portfolio of diversified products and services. National Engineers is marketing High Technology Equipment and solutions in different areas.

The phenomenal growth of NE in a short span of 20 years is envy of many. National Engineers with its qualified staff of professionals has acquired and reflects the expertise and professionalism. Our team of professionals possess expertise and vision in different aspects of the Pakistani market, allowing the organization to market a broad range of products from the supply of spare parts, to the installation of Turnkey Projects.

The company offers an exhaustive product mix backed by complete service and support capabilities ranging from conceptualization and system engineering to program/project management. Sales and revenues of company have shown an upward trend in all product lines.

MISSION STATEMENT

We at National Engineers believe the moral, social, and behavioral norms of our organization are based on the beliefs, attitudes, and priorities of its members. Our mission is focused on delivering shareholders value through the achievement of sustainable capital and profitable long term growth. We aim to increase profitability along with the personal growth of our employees while respecting quality standards at all times. We aspire as a respected corporate citizen to continue playing a significant role in the social and environmental sectors of the country.

VISION STATEMENT

To become partners with integrated service providers & large enterprises to roll out innovative services and to achieve quick ROI on investments. In line with this objective, we envision National Engineers to be a managed service provider. To translate our vision, we are in process of developing extremely focused, motivated and professionally trained work force which we will translate client’s vision into reality. We envision of growth by recognizing that our business’s true strength is within its people. Vision of growth must be quick, flexible and agile to respond to market dynamics.
National Engineers Culture

"Well, first of all, it starts with hiring. We are zealous about hiring. We are looking for a particular type of people, regardless of which job category it is. We are looking for attitudes that are positive and for people who can lend themselves to a specific cause. We want people who are interested in performing as a team and take joy in team results instead of individual. It is only attitudes, behaviors and personalities that make up a successful company.” (Jahangir Ahmad, CEO) We are committed to specific values consistently applied:

Teamwork

Our overriding loyalty is to the good of the whole organization, driving us to learn from each other for our customer’s benefit.

Professionalism

In the services of our customers we are committed to the highest standards of professionalism, pursuing innovation, deploying imagination, being open to new ideas and acting decisively and consistently. We are determined to deliver outstanding quality so that our relationship with our customer is long lasting.

Respect

We respect every individual. We draw strength from equal opportunity and diversity, at the same time supporting personal growth and development. We value and we all benefit from the entrepreneurial spirit of each individual.

Integrity

Above all we are committed to integrity in all that we do, always, everywhere.

Core Competencies

- World’s best and renowned Principals in the related fields
- Professional and trained workforce to provide maximum output
- Wide experience of various engineering fields that make us the best choice for clients in integrating and optimizing high quality solutions
- Proven Track record of successfully completed projects and long list of satisfied clients
List of Clients

- WAPDA
- Pakistan Meteorological Department
- Pakistan Atomic Energy Commission
- Punjab Mineral Development Corporation
- Descon Engineering Limited
- Habib Rafiq (PVT) Ltd
- National Disaster Management Authority
- Associated Consulting Engineers, Lahore
- National Engineering Services Pakistan (NESPAK)
- Techno Group of Companies, Islamabad
- Frontier Works Organization
- SKB Engineering & Construction, Lahore
- Pakistan Engineering Services (Pvt) Ltd, Lahore
- Geo-Research, Lahore
- GeoScience Associates, Lahore
- University of Engineering and technology Lahore
- Center for Earthquake Prediction Islamabad
- Quaid-e-Azam University Islamabad
- Geo Water Consultant, Rawalpindi
- J-Tech (Pvt) Ltd, Lahore
- Green Technology Environmental Corporation, Lahore
- In consult (Pvt) Ltd, Lahore
- Sarhad Hydal Development organization
- Sarwar constructors (Pvt) Ltd
- NED university of Engineering and technology, Karachi
# Successfully completed Projects

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Client</th>
<th>Scope of Work</th>
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</thead>
<tbody>
<tr>
<td>Seismic refraction data acquisition processing of Munda Dam Project in Mahmand Agency area of NWFP (8 Km)</td>
<td>Nippon Koei &amp; Nippon Giken Consulting Engineers Japan</td>
<td>Scope of work was to determine the depth to bedrock, evaluate rock quality on the basis of rock velocities to determine the dynamic parameters of the rock.</td>
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<tr>
<td>Seismic refraction data acquisition processing of Mangi Dam Project in Ziarat District area of Balochistan (5Km)</td>
<td>Irrigation and Power Department Govt. of Balochistan</td>
<td>Scope of work was to establish geophysical &amp; geological correlation of the area in order to reduce the quantity of drilling at the project</td>
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<tr>
<td>Seismic refraction data acquisition processing and Interpretation of Sabakzai Dam Project in Zhob District area of Balochistan</td>
<td>Planning and Investigations Organization, WAPDA</td>
<td>Scope of work was to establish geophysical &amp; geological correlation of the area in order to reduce the quantity of drilling at the project</td>
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<tr>
<td>Digital Inclinometer System Project</td>
<td>Technical Services Pakistan Wapda</td>
<td>To investigate the Inclination of lower earth surface at Diamer Basha Dam Site Using Digital inclinometer system at Depth of up to 220 m</td>
</tr>
<tr>
<td>Project Description</td>
<td>Technical Services</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------------</td>
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<td>-------------------------------------------------------------------------------------------------------</td>
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<tr>
<td>Micro Seismic Monitoring System at Diamer Basha Dam</td>
<td>Technical Services</td>
<td>We have successfully installed MSMS at northern areas of Pakistan which is first state of the art monitoring system for measuring Micro seismic activities in these areas</td>
</tr>
<tr>
<td>O&amp;M of MSMS Diamer Basha Dam Project</td>
<td>Technical Services</td>
<td>Operation &amp; Maintenance Of MSMS at Diamer Basha Dam Project including Data Retrieval and interpretation from M/S KMI</td>
</tr>
<tr>
<td>V Sat Based Seismic Monitoring System around Tarbela Dam &amp; Northern Areas of Pakistan</td>
<td>DSS</td>
<td>Successful project that involved installation of DVB RCS V sat based 6 Channels Seismometer system Running on Solar Power System in 10 remote sites</td>
</tr>
<tr>
<td>Solar Water Pumping System</td>
<td>Al-Moiz Group of Industries</td>
<td>Successfully installed a solar water pumping system providing a consistent output of over 130,000 Litres/day at 21 feet water table depth.</td>
</tr>
</tbody>
</table>
Equipment supplies and Studies:

Combined list of Major services Project completed is as follows.

1. Seismic refraction data acquisition processing and Interpretation of Malakand III hydropower project in Malakand agency area of NWPF.
2. Seismic refraction data acquisition processing and Interpretation of Kotli Dam Project in Kotli JK Area.
3. Seismic refraction data acquisition processing and interpretation of Akhori dam project in Attock District area of Punjab.
4. Seismic risk assessment of Kurram Tangi Dam Project Kurram agency area of NWFP.
5. Hydrological studies for four hydal schemes AJK.
6. Installation of Strong Motion Accelerographs at Ghazi Barotha Hydro Power Project C-03 & North head Pond Location.
7. Supply Installation of SMA at Structure Engineering Lab UET Lahore.
8. Supply and Installation of SMA at Diamer Basha Dam Project.
9. Supply and installation of SMA at Tarbela Dam Project.
10. Supply and installation of Piezometers at Mangla Dam Raising Project client was MJV Descon.
11. Supply of Piezometers at Satpara Project Client was Descon.
12. Supply and installation of SMA at Simly Dam Project Client Was Central Development Authority.
Our Principals

We are distributors of world’s leading companies dealing in earthquake seismology, geotechnical, geophysical equipments, solar modules and solar water pumps in Pakistan.

Earthquake and Seismic Monitoring system and Solutions

Kinemetrics Inc. is a leader in the earthquake instrumentation industry. For over thirty years, the company has been creating products for monitoring

- Bridges
- Dams
- Structures
- Seismic arrays and networks
- Systems for the nuclear power industry
The Very Best in Geotechnical and Structural instrumentations

Soil Instruments Limited, world leaders in the geotechnical and structural monitoring field for nearly 45 years, provide high quality, innovative monitoring equipment to civil engineering projects and applications around the world.

Vertical Digital Bluetooth Inclinometer System

Vibrating Wire (PDA) Data Recorder

Standpipe Piezometer
Vibrating Wire Extensometer

Borehole Logging system and services

Borehole camera and borehole video system

Probes

<table>
<thead>
<tr>
<th>High-Resolution Acoustic Teviewer</th>
<th>Impeller Flowmeter</th>
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<tbody>
<tr>
<td>Borehole Optical Teviewer</td>
<td>Heat-Pulse Flowmeter</td>
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<tr>
<td>Borehole Video Inspection Systems</td>
<td>Induced Polarisation</td>
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<tr>
<td>Density Gamma (Trisonde)</td>
<td>Fluid Temperature / Conductivity</td>
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<tr>
<td>Sidewall Density Gamma</td>
<td>Water Quality</td>
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<tr>
<td>Small-Source Density</td>
<td>Water / Gas Sampler</td>
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<tr>
<td>Neutron</td>
<td>Three-Arm Caliper</td>
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<tr>
<td>Dual Neutron</td>
<td>Borehole Geometry</td>
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<tr>
<td>Natural Gamma Spectroscopy</td>
<td>Verticality</td>
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<tr>
<td>Electric Log</td>
<td>Gyroscopic Verticality</td>
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<tr>
<td>Focussed Electric (Guard Log)</td>
<td>Four-Arm Dipmeter</td>
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<tr>
<td>Microresistivity</td>
<td>Full-Waveform Compensated Sonic</td>
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<tr>
<td>Focussed Induction</td>
<td>Slim-Hole Full-Waveform Sonic</td>
</tr>
<tr>
<td>Dual Focussed Induction</td>
<td>Digital P-S Suspension Log</td>
</tr>
<tr>
<td>Ultra-slim Focussed Induction</td>
<td>Cavity Survey Sonar Log</td>
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</tbody>
</table>
ET Solar Group is a vertically integrated solar energy equipment manufacturer and turnkey solutions provider. With local sales and marketing subsidiaries and offices throughout Asia, Europe, and North America, ET Solar provides high quality photovoltaic modules, world leading solar tracking systems and smart turnkey solutions to customers in more than 50 countries and areas. Their products have been delivering strong operating performance in a large number of residential and utility scaled solar PV projects around the world.

As one of the first solar energy turnkey solution providers from China, ET Solar has strong capabilities to tailor make the most efficient and economical solutions for customers by factoring in a large variety of parameters such as project location, terrain condition, land size, land price, government subsidy and power density.

Suntech is a worldwide leader in the design and manufacture of innovative solar energy solutions for a wide variety of customers and applications. Their R&D team in Wuxi, China continues to pioneer technology advances in solar power generation products. They are expanding our capacity by building more factories and installing cost effective equipment to make solar energy a practical solution for more customers around the globe. Suntech has sales offices and installation partners all over the world and are among the top 10 manufacturers in the world.

Coreach Trading Limited is a professional supplier for a variety of solar PV products and accessories including solar power system, solar modules, solar charge controllers, solar street lights, solar garden lights, solar traffic lights and other solar products. They offer the cost-effective and reliable products and solutions to our customers worldwide to meet their energy needs. OEM and ODM services are available. Coreach Trade specializes in integrating solar power solutions with extensive experience in the telecom sector with installation of over 8,000 mobile BTS sites.