

Corrosion Control Services
Drilling
Oilfield Engineering Material and Equipment
Wellsite Geology and Mud logging
Industrial Automation/SCADA Systems

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Introduction

Since its inception, in 1993, **Oilman Technologies (Pvt.) Ltd** has been providing a range of services, primarily, to the oil and gas industry. Over the years, the company has executed several projects in the field of Cathodic Protection, Water Well Drilling, Conductor casing for Oil Wells & Foundation Engineering.

We also provide a very vast variety of engineering material and equipment, especially valves, line pipes, coating material, drilling rigs, chemicals etc.

Our founder and Managing Director, **Mr Badar H Khan**, has over 30 years of experience in the oil and gas industry, both onshore and off shore, having worked, for companies like **Occidental Petroleum Corporation, Schlumberger, Esso Eastern (Exxon)** etc.

Our clientele includes the likes of **British Petroleum (now United Energy Pakistan), BHP Billiton, OPI, ENI Pakistan, Schlumberger, Pakistan Petroleum Limited, Pakistan State Oil, National Refinery, Pakistan Refinery Limited, Space and Upper Atmosphere Research Commission (SUPARCO) and Nestle**, to name a few.

We have a separate and sizeable HS&E section and have received various appreciations on a variety of occasions by several multinational clients. It has been over two decades now that we have been working on various fields without any lost time injury, or since the inception of our company, in more specific terms.

Services

Corrosion Control

An industry leader in its own right, **Oilman** provides EPC solutions for external corrosion control of well casings, buried pipelines and on grade storage tanks.

We specialize in Cathodic Protection and External Corrosion Direct Assessment Surveys, like Direct Current Voltage Gradient (DCVG), Close Interval Potential Survey (CIP), Pipeline Current Mapping (PCM) and C-Scan. In fact, **Oilman** was the first service company to introduce the DCVG Survey in Pakistan.



Oilman staff carrying out DCVG Survey at a pipeline in interior Sindh

We are fully equipped to provide the following services:

- **Cathodic Protection**
 - Pre-design Survey
 - Soil Resistivity
 - Feasibility Report
 - Design
 - Installation and Commissioning
 - Routing Monitoring and Maintenance (as per **NACE Standard RP0169**)
 - Remote Monitoring Systems
- **Protective Coating**
 - Coating
 - Identification and severity classification of coating defects on buried pipelines using non-destructive techniques like DCVG Survey
 - Repair of coating defects.
- **External Corrosion Direct Assessment**
 - **Direct Current Voltage Gradient (DCVG) Survey:** Non-destructive technique to identify coating defects on buried pipelines, and determine their severity
 - **Close Interval Potential (CIP) Survey:** To determine the effectiveness of the installed cathodic protection survey at points not physically accessible.
 - **Pipeline Current Mapping (PCM):** For identification of coating defects.
 - **C Scan:** To determine the overall health of the coating and identify major faults.
- **Material Selection**
- **Corrosion Inhibitors & Chemical Treatments**



Oilman staff carrying out coating professionalism and commitment.

We are the only CP company In Pakistan that is run by foreign qualified and NACE certified engineers, who maintain direct quality control on field operations.

For two decades straight, United Energy Pakistan (previously British Petroleum and Union Texas Pakistan) has entrusted us with CP material supply, design, installation, commissioning, monitoring, troubleshooting and ECDA on an annual basis for its entire Badin block. A record, few (if any), companies in the world can match. This speaks of our

We feel elevated whilst saying that Dr. Earl Kirk Patrick, the inventor of KIRK CELLS for CP Systems, has only recommended us as up-to-the-mark CP company during his Badin Corrosion Audit Trip organized by the Houston office of Union Texas Pakistan, Inc. We jointly carried out a research oriented project with him, on copper grounding interference in CP systems at BP's facilities. This was later also presented in the NACE International Corrosion Conference, in Bahrain. Prior to that Dr. Williamson, who arrived here on the same mission, also honored us with impressive compliments. We have also published a book on 'Practical Approach to CP Systems'.

Drilling (for Conductor Casing, Water Injection, Water Disposal and Deep Tube Wells)

Oilman has its own truck-mounted and skid-mounted rotary drilling rigs. Presently, we are capable of drilling up to a depth of 3000 ft. We have recently drilled a water well of 17.5inch dia, 1500ft depth for Schlumberger Inc. at Port Qasim, Karachi. We are capable of carrying out drilling for the following activities:

Services

- Surface casing of oil wells
- Water disposal wells
- Water injection wells
- Water producing wells with RO systems
- Soil and foundation engineering.
- Workover jobs



1500 ft water well for Nestle on behalf of Schlumberger Water Services, Abu Dhabi.

We have a strong team of experienced professionals and technical hands, led by our MD, **Mr Badar H Khan**, who has a vast amount of experience, as a geologist in the oil and gas industry

We have our own certified machinery/equipment, by Moody Int'l and/or SGS on British Petroleum standards, including compressors, Electrical submersible pumps, generators, vehicles and Rotary Rigs mounted on Chevrolet trucks.

Our Experience:

Oilman's clientele, especially when it comes to water wells, is one that few in Pakistan can match.

We have drilled deep tube-wells for British Petroleum, Schlumberger Water Services, BHP Billiton, Karachi Nuclear Power Plant (KANUPP), SUPARCO, National Refinery, Coca-Cola Beverages, Security Papers Ltd, Civil Aviation Authority, Sui Southern Gas Company Ltd., Sindh Forest Department, and for Pakistan Army at Karachi Ammunition Depot in addition to deep wells for builders, textiles and district government.

We have drilled around 40 shallow holes for Union Texas Pakistan, Inc., out of which 8 were horizontal, 6 at 60 degrees, and the rest were vertical. We have also drilled water wells for Dhabhi, Bukhari, Golarchi, Pinion, Khaskheli, and Tangri oil/gas fields of Union Texas Pakistan, including test and completion holes, in addition to 800 ft. deep test hole in eastern Sindh (Thar deserts).

We are proud to mention that all of the above clients have repeatedly entrusted us with their drilling requirements.

Wellsite Geology / Mud Logging / Mud Engineering

Mud Logging/Wellsite Geology/Mud Engineering services are our top of the list agenda with the sole objective of facilitating the clients in keeping healthy market competition for want of quality service and its economics as against the monopolistic business environment. Our sizeable hands-on exposure to multinational oil companies, in conjunction with an excellent team of engineers, has fueled our endeavors to face this market challenge. Our services include the following:

- a) Mud Logging Unit
- b) Geo Thermal Mud Logging
- c) Online Rig Communication
- d) Wellsite Geologists
- e) H2S monitoring
- f) Gas Characterization
- g) Pore Pressure
- h) Technology Related Issues Resolution

Industrial Automation/SCADA Systems

We are proud to announce that **Oilman Technologies (Pvt) Ltd** has joined hands with **FF Automation** (Finland) for automation services and products as their sole partners in Pakistan. We are also associated with **Siemens Pakistan** for the provision of these services.



Official Partners

FF-Automation's core automation business is supplying complete solutions for remote monitoring and controlling applications.

Important part of their business is also supplying automation controllers, HMIs and solutions to Original Equipment Manufacturers (OEMs) and automation system integrators.

FF-Automation has over 39 years of experience in Designing and Manufacturing AutoLog automation products and solutions for thousands of remote monitoring and controlling projects and original equipment manufacturers (OEM). AutoLog products and solutions are designed and manufactured in Finland.

On the other hand, **Oilman's** specialist manpower has the expertise and technical knowledge to deliver projects to the highest standard from initial concept through to design, procurement, installation, commissioning and maintenance

The values of QUALITY, SAFETY, COST OPTIMIZATION and TIMELY COMPLETION have been imbued in our working culture. With these values we strive to provide superior customer services and best possible solution to enhance the capabilities of our clients.

Activities and Services Provided

We have the ability and expertise to manage and execute works for all projects, professionally undertaking the following activities and services:

- Pre-qualifications and Cost Estimations
- Planning for Execution
- Material Procurement (international purchasing resources)
- Installation, Field Engineering and Supervision
- Specialist Subcontractor Selection and Management
- Testing and Commissioning
- Client Training and Handover



Automation:

1. **FF Automation** and Control System (Finland)
2. **Siemens** Automation and Control Systems (Germany)

Electrical:

1. **Siemens** Equipments
2. Local Supplier, Panel Manufacturers and Others

Instruments:

1. **Rosemount** transmitters, flow meters, sensors, analyzer, valve manifolds etc
2. **Emerson 475** field communicators and other products
3. **Yokogawa** transmitters, flow meters, valve positioners, BT200 hart communicators
4. **Siemens** transmitters, flow meters, valve positioners
5. **Krohne** flow meters
6. **Honeywell** transmitters, flow meters
7. **E+H** transmitters, flow meters etc



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12th September 2014

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To whom it may concern,

This is letter of appointment that company "Oilman Technologies (Pvt) Ltd" is the **sole entity** authorized to market, promote, and sell FF-Automation's products and services in Pakistan.

This appointment will be effective from the date hereof for a period of 3 years and shall be automatically renewable for a similar period unless one party declines it officially.

Thank you.

Yours faithfully,

FF-Automation Oy

Jukka Fredriksson, Managing Director



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Product List

Corrosion Control

- Corrosion Monitoring: Corrosion Coupons, Corrosion Probes, Erosion Probes etc.
- Pipeline Coating Material
- Lida (MMO) Anodes
- Impressed Current Hi-Silicon Iron Anodes
- Magnesium Anodes
- Zinc Anodes
- Galvallum Anodes
- Chromium Anodes
- Holiday Detector
- Soil Resistivity Meter
- Current Interrupters (50, 75, 100 Amps.)

- High Internal Impedance Digital Multimeter
- Solar Powered Battery Backup for Cathodic Protection
- Thermo-Electric Generators for C.P.S.
- Pearson Equipment
- Transformer Rectifiers Oil-Cooled/ Air Cooled
- DCVG Equipment
- Flange Insulation Kit
- Monolithic Isolation Joints
- Remote Monitoring Systems

Origin: USA, Canada, Europe and China.



Line Pipes/Casing/Tubing

- **API 5L PSL1&PSL2**
Standard: API 5L PSL1&PSL2
Steel Grades: Grade AB, X42, X46, X52, X56, X60, X65, X70
Size Range: OD:1/2" TO 24".
WT:3mm To 45mm
- **Casing & Tubing**
Standard: API 5CT
- **Steel Grades:** J55 K55 N80 L80 C90 C95 T95 P110
- **Line pipe (Sour Service)**
- **Line Pipe With External 3PE/3PP Coating**
Standard: API 5L-2009 ISO 3183-2007 DIN 30670 (Coating)
Steel Grades:Gr.A Gr. B X42 X46 X52 X56 X60 X65 X70



Make: USA, Europe and China (ISO Certified Manufacturers)

Drill Rods

- **All API grades (E-75, X-95, G-105, S-135)**
- **Sour Service grades:** Mild, Intermediate & Severe Sour
- **ERD: High strength materials** VM-140, VM-150, VM-165
- **Low Temperature grades:** VM-95 DP LT, VM-105 DP LT, VM-135 DP L



Make: USA, Europe and China (ISO Certified Manufacturers)

Valves & Fittings

- Ball Valve
- Gate Valve
- Butterfly Valve
- Globe valve
- Check Valve
- Choke Valves
- Needle Valves
- Valve Actuators

Size Range: DN10 to DN1200

Material: Carbon Steel,
StainlessSteel, Cast steel

Packing: Wooden Case

Standards: API 6D, API 6A etc.

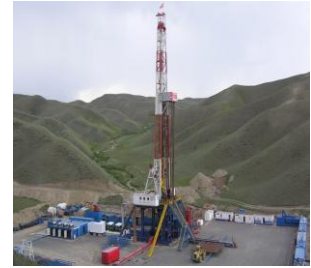
Origin : USA, China, UAE, Europe
& Japan

Complete Range of Pipe Fittings



Drilling Rigs

| | |
|---------------------------|--|
| Standards' | API Spec 4F, 7K, 8C |
| Drill depths] | 3,000 m-9,000 m (10,000 ft-30,000 ft) |
| Transmission types | Electrical, mechanical, compound drive |
| Hook load | 1,700 kN- 6,750 kN (374,850 lbs-1,488,400 lbs) |
| Draw-works power | 750 hp-3,000 hp (550 kW- 2,210 kW) |



Fast Moving Land Drilling Rigs

| | |
|---------------------------|--|
| Standards | API 4F, API 7K, API 8C |
| Drill depths | 1,600 m-7,000 m (5,250 ft-23,000 ft) |
| Hook load | 1,700 kN- 4,500 kN (382,175 lbs-1,011,640 lbs) |
| Draw-works power | 750 hp-2,000 hp (550 kW- 1,470 kW) |
| Transmission types | Electrical, mechanical, compound drive |



Mobile Drilling Rigs

| | |
|---------------------------|---|
| Standards | 1API 4F, API 7K, API 8C |
| Drill depths | 1,500 m-4,000 m (5,000 ft-13,000 ft) |
| Hook load | 1,125 kN- 2,250kN (250,000 lbs-500,000 lbs) |
| Draw-works power | 350 hp-1,000 hp (250 kW-735 kW) |
| Transmission types | Mechanical, compound drive |



Workover Rigs

| | |
|------------------------------------|--|
| Standards | API Spec 4F, 7K, 8C |
| Service depth [2-7/8" EUE tubing] | 1,600 m-8,500 m (5,900 ft-27,900 ft) |
| Workover depth [2-7/8" drill pipe] | 2,000 m-9,000 m (6,560 ft-29,530 ft) |
| Drilling depth [4-1/2" drill pipe] | 3,600 m- 6,000 m (11,800 ft-19,690 ft) |
| Hook load | 350 kN-2,250 kN (78,700 lbs-500,000 lbs) |
| Draw-works power | 200 hp-990 hp (150 kW-735 kW) |
| Transmission types | Mechanical, compound drive |



Wellhead & Pressure Control

- BOP
- Diverter
- Choke & Kill manifolds
- Pressure hoses
- BOP closing unit
- Casing & Tubing head
- X-Mas tree
- Valves
- Spools
- Flanges

Solid control & Mud system

- Shale shaker
- Desander
- Desilter
- Mud cleaner
- Hopper
- Centrifuge
- Agitator
- Mud tanks
- Unions

Tubulars & Drilling strings

- Drill pipes
- HWDP
- Drill collar
- Kelly
- Casing
- Tubing
- Pup joint, Sucker rod, Line pipes

Tubular Handling tools

- Elevator
- Slip
- Manual/Power Tong
- HPU
- Bushing, Spinner, Bit breaker, Spider, Links

Downhole Tools

- Drilling & Fishing jar
- Stabilizers
- Hole opener
- Overshot
- Drilling bit

Cementation Tools

- Cement Unit
- Float Collar
- Float Shoe
- Liner Hanger
- Cement Head

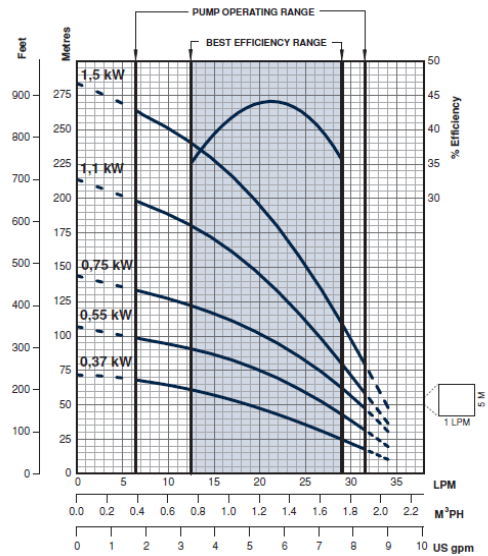
Submersible Motors and Pumps

- 1) Super Stainless Motors
High Thrust and High Temperature motors of 4", 6" and 8".
- 2) Rewindable Submersible Motors
Motors of 6", 8", 10 & 12"
- 3) Control Boxes & Protection
Control Boxes
Control Box Parts
Single-Phase Motor Protection
SubMonitor™ Three-Phase Protection
D3 Data Download Tool
- 4) Constant Pressure Controllers
MonoDrive, MonoDriveXT,
SubDrive75, SubDrive100,
SubDrive150 & SubDrive300
SubDrive Accessories.



- Discriminating Turbine Sump Sensor
- Discriminating Vapor Sensor
- Monitoring Well Sensor

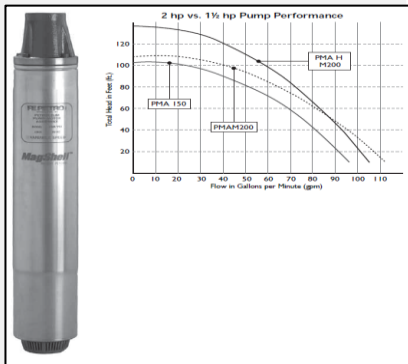
- Level Sensor
- Sensor Installation Kits
- Sensor Installation Accessories
- External Console Hardware
- Remote Audible and Visible Alarm Unit



- Remote Audible and Visible Alarm Unit
- Remote Alarm Acknowledge Unit
- Dispenser Interface Module
- Turbine Pump Interface
- Relay Output Module
- Sensor Expansion Module
- TS-M Modem
- Ethernet Port Server
- External Console Hardware Accessories
- Software
- Remote Fuel Management Software
- Internet Enabled Fuel Management Software
- Get Connected AnyWare™ Remote Polling Service

Submersible Pumping Systems

- Submersible Turbine Pumps
- Submersible Turbine Pump
- Variable Speed Submersible Turbine
- Fixed Speed Submersible Turbine Pumps
- Mechanical Line Leak Detector
- Submersible Turbine
- Pump Controllers
- Single-Phase Smart Controller
- Dispenser Hook Isolation
- Single-Phase Control Box
- Submersible Turbine
- Pump Accessories
- Submersible Turbine Pump Repair Parts
- High Capacity Submersible Turbine Pumps
- High Capacity Pump Controllers
- High Capacity Pump Repair Parts



Manual Pressure Relief

List of Cathodic Protection Projects

| | Description | Client | Award Date |
|------------------------------|---|--|-----------------|
| CP design | Soil Resistivity Survey, CP design and report of Turk pipeline, Turk Deep-1 Flow Line and associated flowline at Khorwah facility | British Petroleum Exploration and Production inc. Pakistan | 1995 |
| CP design | CP design reports of Bhati/Golarchi pipelines and associated flow lines at remote facilities. | British Petroleum Exploration and Production inc. Pakistan | 1995 |
| Pre-Design Survey | Pre-Design survey at Turk Khorwah line, Golarchi Makhdumpur Line, Golarchi Bhatti line | British Petroleum Exploration and Production inc. Pakistan | 1995 |
| CP Installation | CP installation at Tangri facility | British petroleum exploration and production inc. Pakistan | 2000 |
| CP installation | Installation of anodes at tank | Naional Refinery | 2000 |
| Cathodic Protection Services | Complete CP Conultancy inc. Design and Monitoring | British Petroleum Exploration and Production inc. Pakistan | BPO For 2001 |
| DCVG Survey | DCVG Survey of VCM line 6" dia for coating defects | Engro Asahi Polymers & Chemicals | 2001 |
| Pre-Design Survey | Pre-Design Survey at Jabo Remote | British Petroleum Exploration and Production inc. Pakistan | 2002 |
| Pre-Design Survey | Pre-Design Survey at Ghungroo facility. | British Petroleum Exploration and Production inc. Pakistan | 2002 |

| | Description | Client | Award Date |
|-------------------------------------|---|--|--------------|
| CP Monitoring | Bi-annual routine monitoring of CP system and DCVG | British Petroleum Exploration and Production inc. Pakistan | BPO For 2002 |
| Cathodic Protection Services | Complete CP Conultancy inc. Design and Monitoring | British Petroleum Exploration and Production inc. Pakistan | BPO For 2003 |
| Material Supply | Lida/MMO (Mixed Metal Oxide) Anodes | British Petroleum Exploration and Production inc. Pakistan | 2003 |
| Material Supply | HIS Chromium Anodes | British Petroleum Exploration and Production inc. Pakistan | 2003 |
| Instant off potential survey | Instant off potential survey of Cathodic protection on complete 14" dia | Asia Petroleum Limited | 2003 |
| DCVG Survey | DCVG Survey of pipe line. | National Refinery Limited | 2003 |
| CP Audit and DCVG Survey | DCVG and recommendation for 20" dia 60 KM long gas pipe line | WAPDA | 2004 |
| DCVG Survey | DCVG survey for cross country pipe line and GP1- Aviation Fuel Line | Pakistan Refinery Limited | 2004 |
| Cathodic Protection Services | Complete CP Conultancy inc. Design and Monitoring | British Petroleum Exploration and Production inc. Pakistan | BPO For 2004 |
| Cathodic Protection Services | Complete CP Conultancy inc. Design and Monitoring | British Petroleum Exploration and Production inc. Pakistan | BPO For 2005 |
| Cathodic Protection Services | Complete CP Conultancy inc. Design and Monitoring | British Petroleum Exploration and Production inc. Pakistan | BPO For 2006 |
| Ground bed installation | Ground bed Installation and design of Asia Petroleum at Hub Power Plant end | Asia petroleum | 2006 |
| DCVG survey | DCVG Survey for coating defects of the pipeline from APLI to Hubco. | Asia petroleum | 2006 |

| | Description | Client | Award Date |
|--|---|--|--------------|
| Cathodic Protection Services | Complete CP Consultancy inc. Design and Monitoring | British Petroleum Exploration and Production inc. Pakistan | 2006 |
| Rehabilitation of CP System | Rehabilitation of CP system at Kemari Terminal | Pakistan State Oil Company Limited | 2006 |
| DCVG Survey | DCVG Survey of Pipelines | OMV Pakistan | 2006 |
| Cathodic Protection Services | Complete CP Consultancy inc. Design and Monitoring | British Petroleum Exploration and Production inc. Pakistan | BPO for 2007 |
| CP system Audit | CP audit of fire protection line, raw water line, canal water line, water well flow lines, circulating water lines, Denim water line and misc. buried plant piping. | Liberty Power Plant | 2007 |
| CP Audit | Catholic Protection audit to access the performance and reliability of CP Installation, High Consequence Areas and to make recommendations to enhance the active service life of the buried pipeline network. | UCH Power Station | 2007 |
| Close Interval Potential Survey | CIPs survey of 30 km pipeline | Asia Petroleum | 2008 |
| Installation and commissioning of CP System | Installation and Commissioning of CP system | Liberty Power Plant | 2008 |
| Close Interval Potential Survey | CIPs survey of 37 km pipeline | Asia Petroleum | 2009 |
| Material Supply | Magnesium Anodes | British Petroleum Exploration and Production inc. Pakistan | 2007 |
| Material Supply | Supply of HSI tubular anodes | PSO | 2007 |

| | Description | Client | Award Date |
|--|---|--|--------------|
| Cathodic Protection Services | Complete CP Consultancy inc. Design and Monitoring | British Petroleum Exploration and Production inc. Pakistan | BPO for 2008 |
| Material Supply | Supply of Aluminum Anodes | Coastal Refinery Ltd | 2008 |
| Material Supply | Supply of Zinc Ribbon Anode | Asia Petroleum Ltd | 2008 |
| Material Supply | Hi Si Fe anodes, Coke Breeze and Scotch Cast Splicing Kit for 25mm cable inline splice | TNB Liberty Power Plant | Aug,2008 |
| Material Supply | 300meters I/C HMWPE cable, Hi Si Fe anodes, coke breeze, variable resistors and splicing kits | TNB Liberty Power Plant | Jan,2008 |
| Material Supply | Supply of Anode Junction Boxes and Current Control Junction Boxes | Asia Petroleum Ltd | 2009 |
| Material supply, CP installation and rehabilitation | Rehabilitation of CP test stations at ZGP lines and Refurbishment of OCW drains-CP system | BHP Petroleum (Pakistan) Pty Ltd | 2009/2010 |
| Cathodic Protection Services | Complete CP Consultancy inc. Design and Monitoring | British Petroleum Exploration and Production inc. Pakistan | BPO for 2010 |
| CP Installation | Supply and Installation of Circumferential anodes. | Tuwairqi Steel | 2011 |
| Material Supply | Supply of Magnesium Anodes | British Petroleum Exploration and Production inc. Pakistan | 2011 |
| Material Supply | Supply of Galvallum Type III, Hanging anodes for tanks. Qty. 95 | British Petroleum Exploration and Production inc. Pakistan | 2011 |
| Cathodic Protection Services | Complete CP Consultancy inc. Design and Monitoring | British Petroleum Exploration and Production inc. Pakistan | BPO for 2011 |

| | Description | Client | Award Date |
|--------------------------------------|---|---|--------------|
| CP Monitoring | CP Monitoring of Flow Lines and OWD system | BHP Petroleum (Pakistan) Pty Ltd | June,2011 |
| Material supply and CP installation. | Supply and Installation of CP Test posts. | BHP Petroleum (Pakistan) Pty Ltd | June,2011 |
| Material Supply | Supply of Mixed Metal Oxide Tubular Anodes. | British Petroleum Exploration and Production inc. Pakistan | 2011 |
| CP Monitoring | CP Monitoring of Flow Lines and OWD system | BHP Petroleum (Pakistan) Pty Ltd | BPO for 2012 |
| Material Supply | Supply of Magnesium Anodes | British Petroleum Exploration and Production inc. Pakistan | 2012 |
| Cathodic Protection Services | Complete CP Consultancy inc. Design and Monitoring | UEP Pakistan | BPO for 2013 |
| DCVG | DCVG Survey of Flow Lines at Zamzama Gas Plant, Dadu | BHP Billiton (Pakistan) Pty Ltd | 2013 |
| CP Installation | Installation of Cathodic Protection Test posts at Zamzama Gas Field, Dadu. | BHP Billiton (Pakistan) Pty Ltd | 2014 |
| Cathodic Protection Services | Complete CP Consultancy inc. Design and Monitoring | UEG Pakistan | BPO for 2014 |
| Material Supply | Supply of Mixed Metal Oxide Tubular Anodes. | United Energy Pakistan, Formerly British petroleum exploration and production inc. Pakistan | Feb, 2014 |
| DCVG Survey | Direct Current Voltage Gradient Survey of Matli Deep 2 flowline to detect coating faults. | United Energy Pakistan | May 2015 |

List of Recent Drilling Projects:

| S.No | Client | Description |
|------|---|---|
| 1 | Nestle Waters, Port Qasim. | Drilling for Conductor Casing, Cementation of the Annulus, and drilling of 17.5'' water well upto 470 meters. Worked as a sub contractor for Schlumberger . (2012/13) |
| 2 | Defense Housing Authority | Soil Resistivity Survey, Drilling of 8 inch dia test hole and conversion into tubewell.depth.. Qty 21. (2011-2012) |
| 3 | Pakistan State Oil (JIMCO) | Hydro Geological Investigation and Construction of tubewell of 400ft depth (2011) |
| 4 | Pakistan Space and Upper Atmosphere Research Commission (SUPARCO) | Drilling of 8 inch dia bore hole at SUPARCO Plant (2012) |
| 5 | Pakistan Space and Upper Atmosphere Research Commission (SUPARCO) | Drilling of 8 inch dia bore hole and conversion into tubewell of 400 ft depth at FTR (2010) |
| 6 | Byco Petroleum Pakistan | Drilling of 8 inch dia test well and conversion into tubewells. |
| 7 | Artistic Denim Mills | Drilling of 8 inc dia bore hole and conversion into tubewell. (2008) |
| 8 | Karachi Nuclear Power Plant | Drilling of Deep Water Wells 7 Nos. |
| 9 | NED University | Drilling of bore hol and conversion into tubewell (400ft depth). (2010) |
| 10 | Civil Aviation Authority | Drilling of bore holes upto 600 ft (07 Nos). (2005) |
| 11 | National Refinery Limited | Drilling of Water Well (2004) |

| S.No | Client | Description |
|------|---|---|
| 12 | Coca Cola | Drilling of 1000ft deep well |
| 13 | Pakistan Space and Upper Atmosphere Research Commission (SUPARCO) | Drilling of Water Well at SUPARCO at FTR (2002) |
| 14 | British Petroleum Pakistan | Drilling for conductor casing between 20'' to 36'' and cementation of the annulus |
| 15 | Union Texas Pakistan | Drilling 36'' hole for conductor casing and cementation of the annulus |

Clientele

- British Petroleum E & P Inc.
- BHP Billiton Pakistan Pty. Ltd.
- Byco Petroleum Pakistan Ltd.
- Pipe Link Construction (Pvt.) Ltd. (OMV & BHP Fields) Pakistan Refinery Ltd.
- Pakistan State Oil (PSO)
- Orient Petroleum Inc.
- National Refinery Ltd.
- Sui Southern Gas Company Ltd.
- Sui Northern Gas Pipeline Ltd. (Actively Participated)
- Coastal Refinery Ltd.
- Engro Vopak Polymer & Chemical Ltd. SUPARCO
- Uch Power (Pvt.) Ltd.
- TNB Liberty Power Ltd.
- Water & Power Development Authority
- Civil Aviation Authority
- Karachi Nuclear Power Plant
- Coca Cola Pakistan
- Nova Leather
- Forest Department
- NED University of Engineering & Technology
- Asia Petroleum Ltd.



HSE&Q

General Statement by Company on Policy

Oilman Technologies (Pvt) Ltd sees the need to provide excellent service to its clients coupled with high standards of health, safety and environmental practices. It is our intention to proactively work with employees, clients, contractors, the public, governments and others to provide our service in an environmentally sound manner while protecting the health and safety of employees and public as well. We are dedicated to a continuous improvement process for the employees, public health and safety and the protection of global environment. To ensure these responsibilities are fulfilled, we will manage our business strictly according to the Health, Safety, Environmental principles (HSE principles) listed below:

HSE Management:

Since 1993, OPL Management has had responsibility for health, safety and environment. The diagram shows the lines of responsibility for HSE issues within organization.



HSE Principles

- To treat health, safety and environmental considerations a priority in our project planning and services.
- To operate our facilities and provide our services in a manner that always maintain the standard of our employees, public health and safety and the environmental practices.

- To constantly formulate and improve the company Health, Safety and Environment practices based on employees, clients and public concerns to help safeguard the workplace, community and environment.
- To actively participate with governments and other responsible bodies in meeting the industrial rules and regulations of health, safety and environment.
- All work related injuries and illnesses are preventable. Our goal is zero harm.
- All escapes of hazardous materials can be prevented and emissions in the course of operations will progressively be reduced towards zero.
- Every one has a personal responsibility for their own safety and health, for others in the work place and for the environment in which they work. Safety and good health are equally important away from work and will be encouraged.
- Every one should be involved in HSE improvement process.
- Information of HSE performance will be made available to those around us.

Oilman Technologies (Pvt) Ltd is individually and collectively committed to these principles and expect all who work in Oilman Technologies behave in accordance with them, We will actively promote these principles through our company.

7-GSR (Golden Safety Rules)

1. Safety is our preference.
2. Pursue the goal of no harm to people.
3. Prepare for any unexpected moment.
4. Let others know what you are doing.
5. Follow safety rules and procedures.
6. Leave job in safe conditions.
7. Protect the environment.

QA/QC

A business is successful to the extent that it provides products and services that contribute to happiness in all of its forms. Oilman's great success lies in its willingness and tenacity to finish the job to the client's satisfactio. Even in such technical lines as engineering, about 15% of one's financial success is due one's technical knowledge and about 85% is due to skill in human engineering, to personality and the ability to lead people.

- Zero Safety incidents
- Peak reliability & productivity
- Optimized asset integrity status
- Minimized maintenance costs

- Maximum return on capital employed

Quality assurance (QA) activities for all environmental projects occur at several levels. For the purpose of this policy, three distinct levels can be identified:

- **Organizational Level**
At the organizational level, QA activities ensure that the program or organization is successful by overseeing the infrastructure necessary for individual projects in the program, and making sure activities have the resources they need to be successful.
- **Project Level**
At the project level, QA activities support the success of an individual project by ensuring that accurate information is channeled to the right people at the right time so that decisions can be made during project implementation that are defensible and cost-effective.
- **Technical Level**
At the technical level, QA activities ensure that the individual technical activities that generate, process, or synthesize data (or other information) for the decision process are performing within accepted limits. These activities are also commonly known as quality control (QC).

Project QA for a contaminated site investigation and/or restoration project is focused on those activities that integrate the efforts of regulators (both technical staff and management), responsible parties (both technical staff and management), and other stakeholders to ensure a cost-effective, successful project. Many of these things are the same or similar to organizational quality assurance activities, but occur at the level of an individual project, as opposed to the level of an entire program or organization.

Quality assurance activities are one of those strategies. The systematic planning process is the mechanism for developing program and project specific QA/QC requirements. These requirements are, in turn, articulated in dynamic work strategies and work plans.

Systematic planning activities that directly support project QA include:

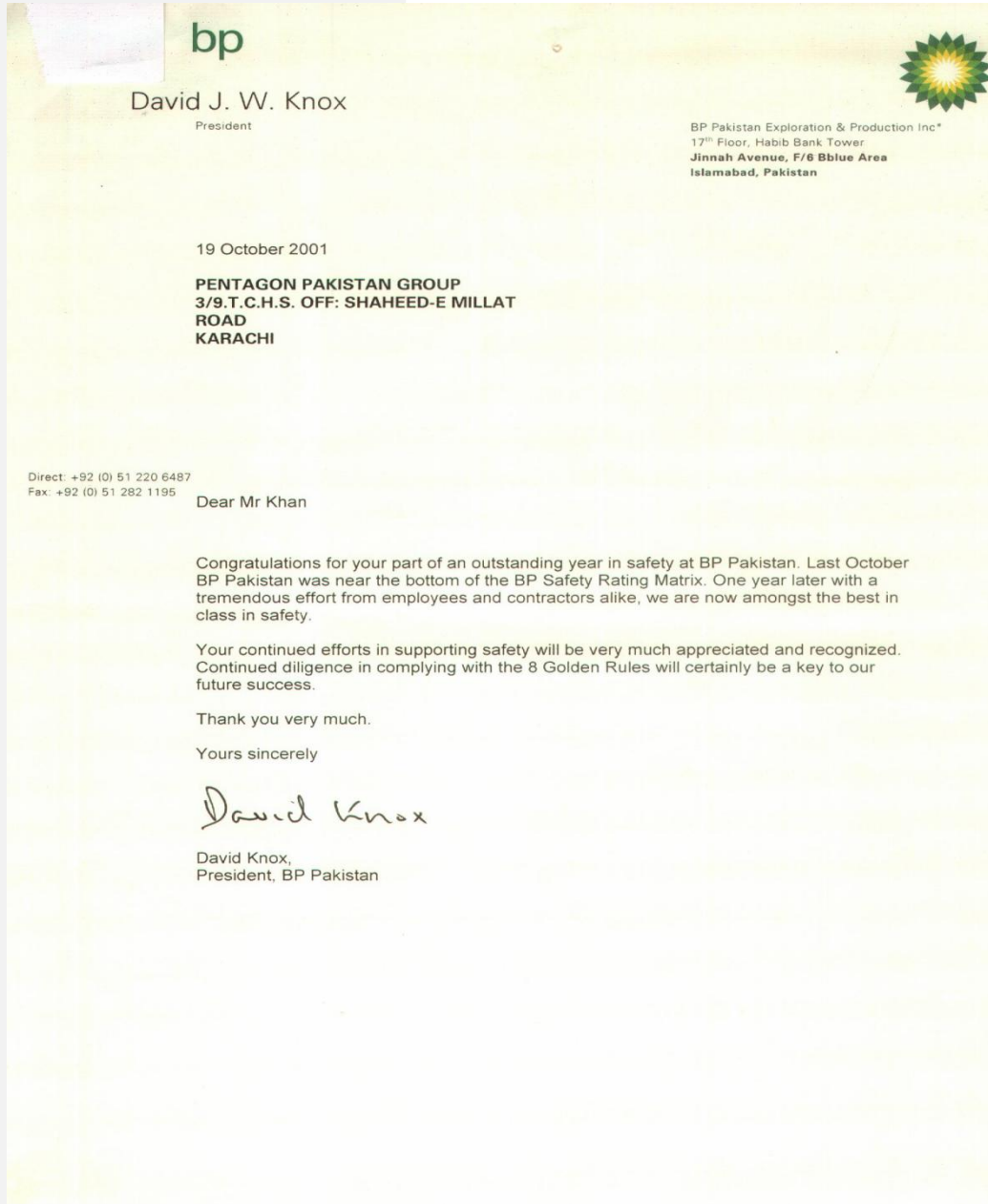
- Identifying what a "successful" project should look like.
- Articulating project goals ("the mission") that is understandable and acceptable to all involved parties.
- Clearly defining the roles, responsibilities, and authorities for project participants.

- Fostering open lines of meaningful communication (i.e., developing social capital).
- Identifying resource needs to guarantee access to the right people and technologies for the job.
- Developing consensus on what strategies to use to reach project goals.
- Ensuring there will be clear evidence and proper documentation that project goals were actually achieved at the end of the project.

Technical QA is often called "quality control." Quality control checks ensure that equipment is working properly, the staff is performing appropriately, and that malfunctions or false readings do not go undetected. There is a tremendous body of work in the environmental field on the topic of QC. Much of it focuses on control of analytical chemistry methods, but there are equally important QC aspects for geophysical and geotechnical techniques, sample collection tools, GPS equipment, software and computer programs, etc. Controlling the full range of factors that could introduce uncertainty into the data generation and manipulation process is important to the Triad approach, so QC is a critical function. QC establishes the quality of data and provides a mechanism for quickly identifying problems in the data generation process that require correction.

All of these contributions to data uncertainty may be relevant for site investigation and cleanup projects. A great deal of effort has gone into developing mechanisms to assess and control the quality of laboratory data used to support hazardous waste site decision-making. Many of these QC protocols work well when well-defined or simple matrices and well behaved analyses are involved. Standardized QC procedures have less ability to detect and report poor performance under real-world conditions when complex matrices and poor behaving analyses are involved. Data users need to be aware that it is possible for standard reporting and validation/verification protocols to meet every requirement, yet the data will lead to misleading conclusions if used.

HSE Compliments



List of Assets/Equipments

ENGINEERING EQUIPMENTS (E&I TESTING EQUIPMENTS) (CATHODIC PROTECTION EQUIPMENTS)

1. DIRECT CURRENT VOLTAGE GRADIENT, (DCVG EQUIPMENT),
2. PIPE & CABLE LOCATOR, (TINKER & RASOR)
3. NILSON SOIL RESISTIVITY METERS (VIBRO GROUND)
4. COMBINATION METERS
5. DIGITAL MULTIMETERS, FLUKE
6. DIGITAL MULTIMETERS, TES
7. AVO METERS
8. CU – CUSO_4 ELECTRODES
9. INSULATION RESISTIVITY TESTING METERS
10. CRIMPING TOOLS FOR CABLE – JOINTING
11. CAD – WELD MOULDS & ACCESSORIES
12. HYDRO METERS
13. BLOWERS
14. DC-AC INVERTERS
15. AC/DC CURRENT PROBES
16. OSCILLOSCOPE
17. TONGE TESTER
18. CURRENT INTERRUPTERS
19. GPS (Garmin)
20. TEMPERORAY TRANSFORMER RECTIFIER

21. PHASE ROTATION METER
22. SECONDARY INJECTION SET

DRILLING EQUIPMENTS

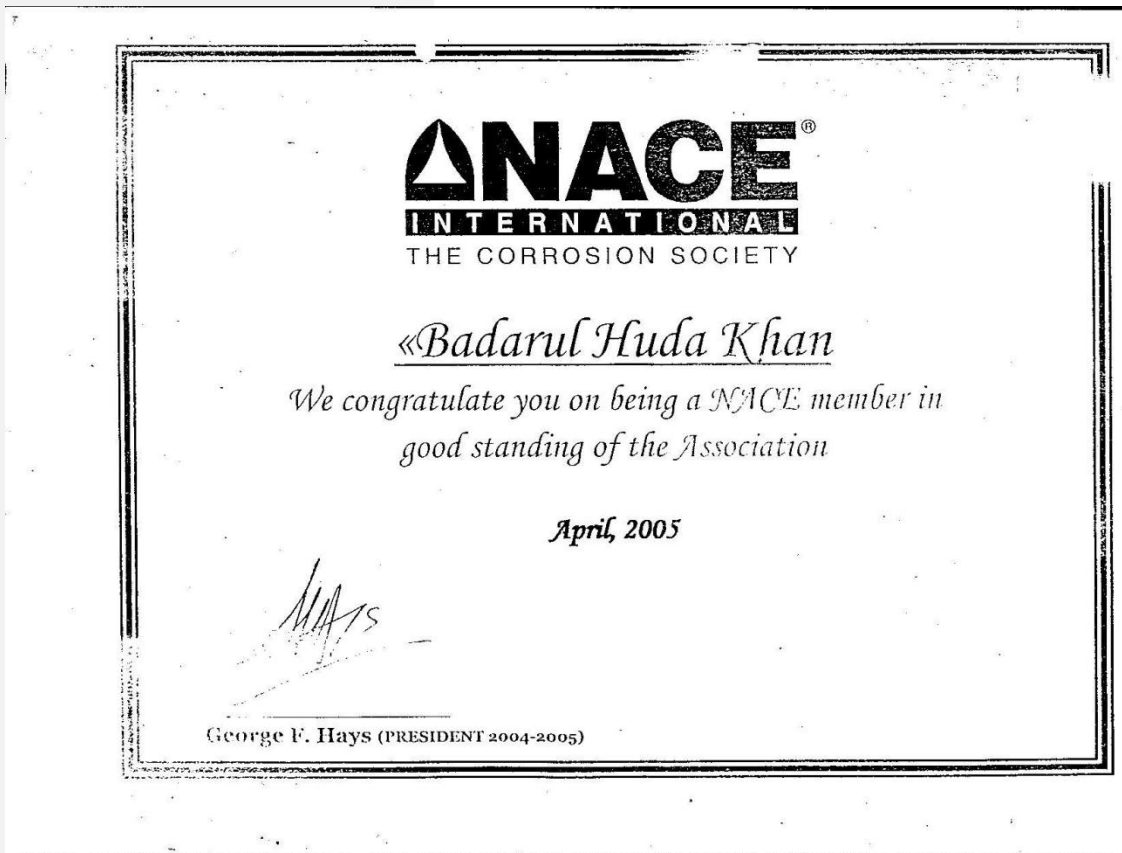
TRUCK MOUNTED DRILLING RIG SET UP

1. DRILL PIPES
2. GUIDELINES
3. AIRLINES
4. TRICONE ROLLER BITS
5. AIR COMPRESSORS 125-300-CFM
6. GENERATORS

SKID MOUNTED RIG SET UP

1. DRILL PIPES
2. GUIDELINES
3. AIRLINES
4. TRICONE ROLLER BITS

NACE Certificates



NACE Certificates (cont.)



NACE Certificates (cont.)



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