

# Integrated Service Provider



supply



plant and  
facilities



waste  
management



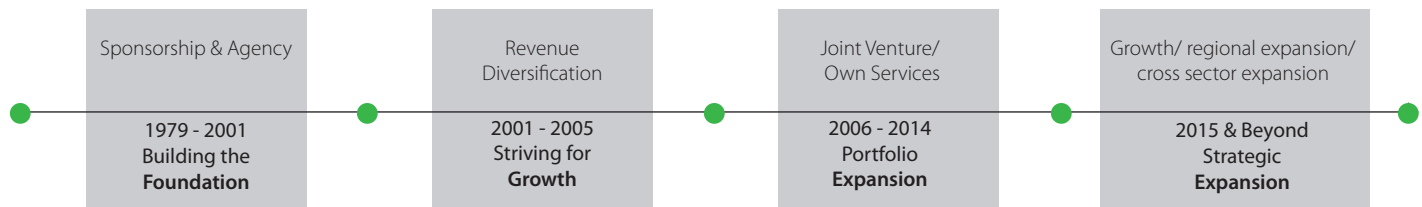
drilling services

# Emdad

Serving the Oil & Gas Industry of the UAE for over 36 years, Emdad LLC, previously known as Al Bawardi, has positioned itself as one of the main Service Providers in the UAE for both Upstream and Downstream Operating Companies.

Relying on research, experience and foresight, Emdad has consistently broadened its scope, adding more initiatives, more partnerships, taking a significant step forward towards becoming a vital source to our clients operations.

Transitioning from a single family owned agency and sponsorship business to an integrated service provider with a multiple shareholding structure took a decade of enterprising management, shareholder capital investment and the invaluable trust of an engaging customer base.



## Vision

To develop, provide and sustain economically feasible key solutions for the energy and utilities industries in the UAE and the region by investing in talents and with industry leaders.

## Mission

To turn prospective opportunities into profitable ventures and create value for our internal and external customers by utilizing own resources or by integrating capabilities of our partners while meeting the highest professional, ethical and QHSE standards exceeding stakeholder expectations.

## Key Drivers

- Established reputation
- Shareholders commitment
- Visionary, proactive and innovative management
- Integrated services ecosystem
- Market knowledge
- Competent TEAM

# Emdad Historical Overview



2016

Expanded into Intrusive Corrosion Monitoring Services and secured the 1st contract with ZADCO.

2015

Emdad asset integrity division expanded into Intrusive Corrosion Monitoring Services. Emdad asset integrity division successfully completed replacing of the existing solar power system. Secured a 3 years contract for valves refurbishment on all Gasco Sites. Successful Retention of ADCO Casing Exit Systems (Whipstock) contract for another 3 years. Won ADIPEC Best Oilfield Services Company Award.

2014

Successful retention of ADCO Oil Base Mud Treatment Contract for another 5 years. Additional 65,000 mt of drill cuttings were awarded to Emdad in which Emdad deployed a second unit and additional storage pit. Emdad expanded its drilling services into Fishing/Milling services: Conventional Fishing and Tubing Fishing. Securing 100% of ZADCO's requirements by winning of the Cuttings Reinjection Scope of ZADCO Central and West Islands. Secured a 3-year contract for valves refurbishment with ADCO. Expanded into Fishing Services and Secured 3 years Contract with ADCO.

2013

Started disposing cuttings into disposal wells at the North and South of ZADCO artificial islands.

2012

Rebranded with a new logo. Awarded 5-year project for Cutting Re-injection services at ZADCO artificial islands. Launched a new service for Valve and Wellhead Testing, Refurbishment and Maintenance and was awarded a 10- month Job at Ruwais for testing and overhauling Safety Valves. Secured extension to the current contracts with ADCO for the Treatment of Oil Based Mud Cutting Services and Whipstock Services. Successfully completed first shutdown phase in NEB, ADCO field utilizing 133,620 man hours. API Q1 Certification.

2011

Good standard member at TRACE. Awarded first Emdad Cathodic Protection Services in Zirku Island. Completion of 2-year project with TAKREER for upgrading Protection Relays.

2010

New vision for Litwin PEL. Best Stand runner up at ADIPEC. Launching Emdad Gulf Catering, a JV between Emdad and Gulf Catering of Agility.

2009

Acquiring Litwin PEL.

2008

Opening of M-45 Industrial Complex in Mussafah. Launching Emdad Industrial Engineering Services, JV with Industrial Engineering Services of India. Launching PREZIOSO Emdad Services, a JV between Emdad and PREZIOSO Technilor of France. Receives the ISO 14001 award.

2007

Opening of Habshan Camp and Facility to accommodate the expansion that took place through both the CP and OBM contracts. Launching Emdad Steel, JV with William Hare of the UK.

2006

Launching EMJEL Oil Field Services, JV with Sanjel Corporation of Canada. Securing alliance with Litwin of France. Delivery of Al Hail Offshore Rig to NDC.

2005

Opening of M-38 facility in Mussafah. Launching Transfield Emdad services, JV with Transfield Services Australia.

2004

Best Group participant award at ADIPEC.

2003

Launching of Marine Capabilities (MarCap) LLC.

2002

Best Group participant award at ADIPEC.

2001

Re-branded as Emdad LLC; formally Al Bawardi after introducing 10 new shareholders. Receives ISO 9001 award. Expanding in the region, Opening Emdad offices in Qatar.

2000

Sheikh Khalifa Excellence Award.

1979

Founding of Al Bawardi Oil & Gas.



# Emdad Facilities

## M45- Emdad Industrial Complex: Heart of Emdad operations

45,000 SQM facility in Musaffah that houses workshops specialized in various activities that support Emdad and its Joint Venture operations:

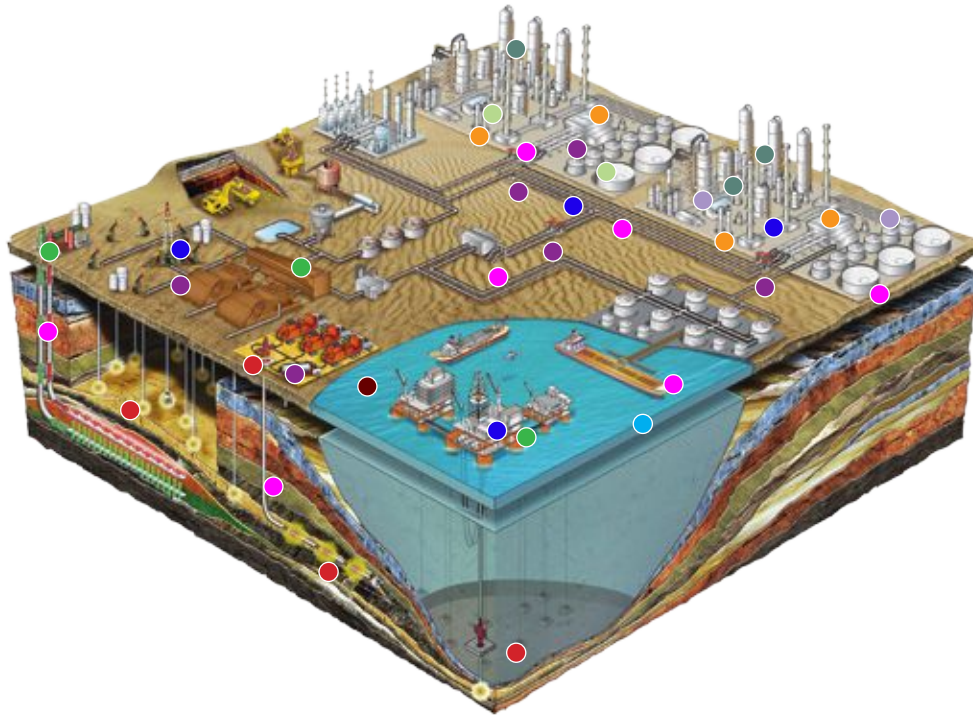
- Emdad valve testing and maintenance facility
- Emdad whipstock services
- Emdad fishing and downhole tools rental
- Emjel service base
- Prezioso Emdad offices and paintshop



## Habshan Camp: Our reach and exposure to oilfield areas

75000 SQM in Habshan on Bab Bu Hasa Road. Houses an accommodation quarters for 250 personnel as well as 24 offices. Also contains two plants designed to treat oil-based mud waste and serves other JV Emdad sole activities.

# Integrated Service Provider



## Our Services

- Mud services
- Asset integrity services
- Valves testing and maintenance
- Drilling services: Casing exit system (Whipstock) and Fishing services and downhole tool rental
- Shutdown and turnaround services
- Catalyst handling
- Calibration and commissioning
- Electromechanical construction and fabrication
- Cementing and stimulation services by our partner **Emjel**
- Marine vessels and offshore services by our partner **MarCap**



## Joint Ventures

- Painting, blasting, scaffolding and IRATA approved rope access



## EXPLORE

### When you Explore

We'll extend our unique Geochemical field capabilities.

## SUPPLY

### When you need total Supply solution

Our wide range of products covers all your requirements in upstream drilling activities as well as engineered products and solutions in the mid and downstream activities through representing leading manufacturers.

## DRILL

### When you Drill

- Our Fishing and Whipstock services will support your crews
- Our subsidiary Emjel will deliver Cementing, Stimulation and Coil Tubing Services
- Our Thermal Treatment Plant will treat and re-use your oily waste from mud cuttings
- We will safely dispose of the cuttings through benefited re-use by Cuttings Re-injection Solution
- Our Solid control equipment will operate all your rigs
- Our Marcap vessels will support your offshore installations and enable your construction activities

## PROCESS

### When you Process

- Our Catalyst services equipment and crews handle your critical operations
- We will take care of your complete Plant Shutdown and Turnaround needs
- Emdad Valves Testing and Maintenance teams will test, repair and recondition and recertify your valves in our central and mobile workshops
- Prezioso Emdad will protect your assets with our painting, blasting, scaffolding and IRATA approved Rope Access inspection and maintenance services
- Our Asset Integrity Services prolongs your assets life and reduces the utility cost
- Our civil and electromechanical permanent crews maintain your facilities in the highest operating conditions throughout the years
- Our commissioning and decommissioning crews are there with your operating team in start up, preservation and abandonment phases of your plants

## ALWAYS

### At all time

Our life support services offered by our partner Emdad Gulf Catering ensure the wellbeing of your teams making them feel at home away from home.

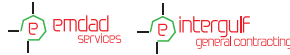
# Subsidiaries



Specializes in the provision of Marine Vessels and offshore services for the oil and gas industry.



Provides specialized services of Acidizing, Cementing, Coiled Tubing Fracturing and Nitrogen.



Specializes in delivering Shutdown Works, Maintenance, Catalyst Handling, Facility Management and Maintenance and Brownfield Services



Specializes in supplying Catering and Life Support services for the oil and gas sector.



Provides access to world class technology in Protective Painting, Insulating and Coatings.





## HSE POLICY STATEMENT

EMDAD LLC, mission is to create value for its customers in the energy and infrastructure industry in the neighboring economies & is continually committed to protect and promote the health and safety of its employees and all persons, working under the control of EMDAD, protect its assets and the environment.

We at **EMDAD LLC** will at all times:

1. Ensure that our business activities are designed to safeguard natural resources, and friendly to the environment
2. Ensure that our People practice HSE compatible processes and are aware of applicable requirements.
3. Ensure that our policies, processes and practices are in line with health, safety and environmental standards, including:
  - a. Water usage and management
  - b. Energy conservation
  - c. Resources use / waste management
  - d. Natural environment
4. Continually ensure
  - a. Safety at workplace
  - b. No fires
  - c. No damage to the environment
  - d. No damage to material
  - e. No theft
  - f. No cases of fraud
  - g. Order and cleanliness
  - h. Prevention of Injuries, ill health & preservation of health of our employees
  - i. Assurance of confidentiality of information and business data
  - j. The continual improvement of HSEMS and performance.
5. Confirm to all applicable statutory, regulatory and environmental requirements
6. Support our customers HSE policy and ensure our compliance with the same
7. Support our Principals in their efforts towards HSE and oblige them to supply products, systems and services, which comply with our customers and our HSE policy
8. Share our knowledge and experience on Health, Safety and Environmental issues with the society
9. All employees not only have the right but the obligation to **STOP** work if conditions are unsafe
10. Make it known that **"No activity is so important that we cannot take the time to do it safely"**



## بيان سياسة الصحة والسلامة والبيئة

إمداد ذ.م.م هدفنا هو خلق قيمة مضافة لعملائنا في صناعات الطاقة والبنى التحتية، وفي الأسواق المجاورة ونتمتع وبشكل مستمر بحماية صحة وسلامة موظفينا وكل الأشخاص الذين هم تحت قيادة وتوجيه إمداد، كما وأنه من أوليات اهتماماتنا أيضاً حماية أصول الشركة والبيئة.

نحن، في **إمداد ذ.م.م**، نضمن في كافة الأوقات مايلي:

1. أن التخطيط لأنشطة أعمالنا التجارية يتم بصورة تحمي المصادر الطبيعية، وبحيث تكون صديقة للبيئة.
2. أن موظفينا يتبعون إجراءات الصحة والسلامة والبيئة الملائمة وأنهم يدركون المتطلبات المنطقية.
3. أن سياساتنا، إجراءاتنا وممارساتنا تتوافق مع معايير الصحة، السلامة والبيئة، ويشمل ذلك مايلي:
  - أ. استخدام وإدارة الماء
  - ب. توفير الطاقة
  - ج. استخدام الموارد/ إدارة المخلفات
  - د. البيئة الطبيعية
4. كما نضمن استمرارية مايلي:
  - أ. السلامة في موقع العمل
  - ب. عدم اندلاع الحرائق
  - ج. عدم حدوث أضرار بيئية
  - د. عدم تضرر المواد
  - هـ. عدم السرقة
  - و. النقا وجودة حالات الفحص
  - ز. توفير النظام والتظلية
  - ح. تجنب الإصابات والأمراض والحفاظ على صحة موظفينا
  - ط. ضمان سرية المعلومات وبيانات الأعمال
  - ي. التطوير المستمر للنظام وإداء إدارة الصحة والسلامة المهنية وإدارة البيئة
5. الالتزام بكافة القوانين، المتطلبات التنظيمية والبيئية المطبقة.
6. دعم سياسة عملائنا المتطابقة بالصحة، السلامة والبيئة وضمان التزامنا بها.
7. دعم مدرائنا في ما يتعلق بجهودهم المبذولة تجاه الصحة، السلامة والبيئة والتعهد لهم بتقديم منتجات أنظمة وخدمات تتوافق مع سياسة الصحة، السلامة والبيئة الخاصة بنا وعملائنا
8. مشاركة المجتمع بما لدينا من معرفة وخبرات تتعلق بمسائل الصحة، والسلامة والبيئة
9. بحق لموظفينا، كما يجب عليهم **إيقاف** العمل في حال عدم توفر الظروف الآمنة.
10. إمام الجميع بأن **"أهمية أي نشاط يجب أن لا تتعارض مع شروط السلامة في تنفيذه ويجب أخذ الوقت اللازم لمراعاة ذلك"**

الرئيس التنفيذي CHIEF EXECUTIVE OFFICER

Rev No. 5 Date: Nov. 1<sup>st</sup>. 2012

## Emdad Awards & Certificates

- Sheikh Khalifa Excellence Award-2000
- ISO9001:2008
- ISO14001:2004
- OHSAS18001:2007
- API SPEC Q1 Standard and ISO29001:2007
- ADIPEC Award for Best Oilfield Services Company 2015

ISO 9001  
ISO 14001  
OHSAS 18001  
BUREAU VERITAS  
Certification



جوائز أدبيك  
ADIPEC AWARDS  
Best Oilfield Services Company

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## Emdad Business Activities

### SUPPLY

#### Drilling and Production

Emdad Drilling & Production division has been serving the oil and gas industry of UAE and the region for more than three decades with wide range of products that are industry proven. The division keeps pace with time acquiring up-to-date technologies from around the world, maintaining the quality of product and reliability of delivery.

D&P division supplies the full range of upstream products that cover most of industry requirements. These products include, but not limited to, the supply drilling rigs (onshore/offshore), full range of rig equipment, drill bits, OCTG, line pipes, wellheads, liner hangers, expandable casing, inflatable/swell packers as well as fishing tools and whipstocks.

In D&P division, we maintain a long lasting professional relationship with our clients, by providing them with required assistance, that fulfills their requirement and secure their projects, while maintaining after sales support for optimum customer satisfaction.





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**TRADING****ENGINEERING PRODUCTS**

Engineering Products division caters to the requirements of the Operating companies and EPC contractors, supplying Equipments and Packages as well as offering After sales services.

Our total supply solutions include Mechanical & Process Scope Rotating Machineries, Static Equipments, Process Packages, Pipes, Valves, Marine & Offshore, Electrical Equipments, Cables, Control Systems, and Flow Control & Metering packages, well supported by after sales services.

We also provide onsite services including Controls Upgrade, Pipeline Flushing, Chemical Cleaning, Steam Blowing and Crane Maintenance.



## SERVICES

### PLANT AND FACILITIES INTEGRITY SERVICES

#### VALVE SERVICES

- A 2500 SQM Valves & Wellhead Services Workshop is established in Musaffah M45, which is highly equipped and automated for Valves & Wellhead testing and maintenance.
- The Workshop will serve the Oil and Gas industry with a whole range of Valve and Wellhead related services. These services include:
  - Valves and Actuators Testing and Maintenance
  - Wellhead Testing and Maintenance
  - Onsite Integrated Service Management
  - Acoustic Leak Detection
  - After Sales Support service





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## SERVICES

### Our Division Differentiators:

- A highly equipped and automated workshop for Valves Testing.
- Connected to a full sized Sandblasting and Painting Booth existing on the same location and independently run by Prezioso Emdad LLC.
- Quick access to spare parts through our direct link to Care-O-Valve supply chain in Italy at the heart of valve manufacture.
- Rapid response through highly equipped Mobile Workshops.





## SERVICES

### PLANT AND FACILITIES INTEGRITY SERVICES ASSET INTEGRITY SERVICES

#### Cathodic Protection

Emdad has vast experience in activities such as:

- Soil Resistivity Survey
- Current Drainage Survey E-log I
- Close Interval Potential Survey (CIPS)
- Coating Surveys
- Interference Survey (AC & DC)
- Design Reports
- Consultation & Turnkey Projects

#### Manufacturing & Sales

Emdad specializes in the manufacturing of in-house products for cathodic protection systems as well as distributing well known brands.

- Anodes
- Distribution & Junction Boxes
- Cathodic Protection Cables
- Reference Cells
- Monitoring Stations
- Power Supply & Transformer Rectifiers

#### Corrosion Monitoring

Emdad offers a full range of corrosion monitoring system activities:

- Corrosion Coupon Retrieval & Analysis
- Linear Polarization Resistance (LPR)
- Electrical Resistance Probes
- Bio Probes

#### Supply & Install

Emdad can supply and install any or all parts of a complex system specifically tailored to suit the client's individual requirements such as:

- Impressed Current Anode Systems
- Sacrificial Anodes Systems
- Specialised Cathodic Protection Materials
- Remote Monitoring & Control Systems
- Intrusive Corrosion Monitoring Equipment



Emdad is affiliated with specialised material manufacturers like:

Raychem

NNT  
INTELECTRODES

Metal  
Samples

Steffel  
CORROSION PROTECTION GROUP

DE NORA

G  
M  
C



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## SOLAR POWER

Emdad provides standalone Solar System for remote power requirements from minuscule to high power systems of several kilowatts. Systems are put together with countless partners and component manufacturers within the solar industry. As solar is a growing innovative market, Emdad stays on the cutting edge of the technology development of panels, batteries and controllers to provide the most up to date available all round system.

Emdad has installed and commissioned various sizes of standalone solar systems within the industry in the Middle East and North Africa. Our solar systems are particularized and custom-made from various specialized component manufacturers to suit individual necessities.

- Rural and Remote Areas
- Excessive Cost of Grid Power Supply
- Hybrid Power Solution
- Philosophical Approach
- Experimental Installations

The main components of a solar system are carefully selected and provided by Emdad as a package or as separate items such as:

- Solar Panels
- Batteries
- Charge Controller
- Output Power Controllers



## WASTE MANAGEMENT SERVICES

Our Services include:

- ### TREATMENT OF OIL BASED MUD CUTTINGS:

The typical composition to the Waste Cuttings is as follows:

- The thermal desorption plant produces various secondary waste streams including oil condensate, solids, and water condensate.

[illegible]



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**CUTTINGS RE-INJECTION**

Emdad has expanded its range of services with National Oil Well Varco to include Cuttings Re-injection. With this expansion, we are capable of re-injecting 32,000 MT monthly of cuttings into disposal wells.

**SOLID CONTROL EQUIPMENT RENTAL & OPERATION**

Emdad has added to its portfolio Solid Control Equipment Rental and Operation. We provide these services in partnership with our long standing principal National Oil Well Varco. The products we make available include Centrifuges, Augers, Mud Coolers, Cutting Dryer, etc. We also provide experienced personnel that are specialized in the operation of the equipment.



## SERVICES

### DRILLING SERVICES

#### CASING EXIT SYSTEM (WHIPSTOCK)

Our Whipstock system with hydraulic packer (permanent/retrievable) is designed for one trip window exit operation. Our unique Whipstock system can be utilized in vertical or horizontal holes for casing exit solutions. This system is equipped with mechanical anchor to support the Whipstock concave in highly deviated holes and securing the concave vertical on the casing wall.



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**FISHING SERVICES**

Emdad Fishing Tools Services provides a variety of state-of-the-art equipment to aid in the recovery of equipment lost downhole. Our product range for fishing tools covers the following:

- External Catch Fishing Tools
- Internal Catch Fishing Tools
- Junk Catch Fishing Tools
- Accessory Fishing Tools
- Drilling, Milling and Cutting Tools
- Repair and Remedial Tools
- Wireline Accessory Tools
- Through Tubing Fishing Tools





## Key References

- **Project Name:** The Provision Treatment of Oil Based Mud Cuttings and Sludge Services by Indirect Thermal Desorption  
-Since 2007  
**Client:** ADCO
- **Project Name:** Cathodic Protection of Well Casings in ADCO Fields (Package1- SE FIELDS) - Since 2007  
**Client:** ADCO
- **Project Name:** Provision of Fishing/ Milling Services  
**Client:** ADCO
- **Project Name:** Cuttings Management Services for South, North Central & West Islands for UZ 750K Project Services of Segment - 2: Cuttings Re-injection & Surveillance  
**Client:** ZADCO
- **Project Name:** Provision of Refurbishment of Valves on a Call Out Basis  
**Client:** ADCO& GASCO
- **Project Name:** Periodical Inspection Services and Repair Services On Call Out Basis For "Brandt Make" Shale Shakers  
**Client:** NDC
- **Project Name:** Geo-chemical Survey of North Mender and North Asab Areas  
**Client:** ADCO
- **Project Name:** Replacement of Solar Power Systems for RTU and Cathodic Protection Stations  
**Client:** GASCO
- **Project Name:** Corrosion Monitoring Services at UZ, ZR, SA and UAD sites  
**Client:** ZADCO
- **Project Name:** Warranty Shutdowns for Takreer Green Diesel and Al Hosn Gas Plants  
**Client:** Al Hosn Gas & Takreer



## Key References

- **Project Name:** Periodical Inspection Services and Repair Services On Call Out Basis For “Brandt Make” Shale Shakers  
**Client:** NDC
- **Project Name:** Provision of Off-Stream Inspection at North East BAB Fields and Habshan Plant  
**Client:** ADCO
- **Project Name:** Provision of Cementing and Stimulation Services – Since 2010  
**Client:** ADCO
- **Project Name:** Commissariat and Camp Services at ADCO Bu Hasa / Huwaila Field/NEB  
**Client:** ADCO
- **Project Name:** External Coating of Well Casings  
**Client:** ZADCO
- **Project Name:** Hiring of Vessels  
**Client:** ZADCO, ADMA, TOTAL ABK
- **Project Name:** Cathodic Protection (CP) System - Deep Well Anode Bed Replacement and miscellaneous repairs at Ruwais Refinery  
**Client:** TAKREER
- **Project Name:** Cathodic Protection Systems- Design Basis  
**Client:** TECHNIP
- **Project Name:** Renovation of ICCP At Zirku Island  
**Client:** ZADCO
- **Project Name:** Cathodic Protection System Upgrade  
**Client:** DOLPHIN ENERGY

