CORROSION PROTECTION SPECIALIST PVT. LTD.

Stop Rust, Gain Trust



CORPS : *Your Trusted Corrosion Mitigation Partner*

At **Corrosion Protection Specialist Pvt. Ltd.** (CORPS), we are your premier destination for comprehensive corrosion solutions. With a rich tapestry of services and products, we're dedicated to safeguarding your investments and ensuring the longevity of your assets. Explore the world of CORPS and discover how we can protect your infrastructure.

OUR DISTINCTION



At CORPS, we pride ourselves on being a world-class corrosion solutions provider. Our materials and engineering services are unmatched in the market. We hold valuable partnerships with material and technical service providers in the USA, Africa and Europe. Under collaboration we are manufacturing in INDIA. With our capabilities in design engineering, supply, installation, supervision, testing, and commissioning, we can cater to nearly any requirement.

OUR REACH



CORPS extends its services to major players in the oil & gas, petrochemical, power, and civil infrastructure sectors, both in India and across the globe.

We have also been instrumental in providing corrosion mitigation systems to onshore and offshore facilities, including refineries, gas plants, utilities plants, and petrochemical plants. Our team members certified by the Association for Materials Protection and Performance, is equipped to take on any challenge.

Our Director, **Mr. Pankaj Panchal,** boasts an impressive track record working with industry giants such as Saudi Aramco, SABIC, SWCC, ADNOC, GAIL, and many more.

OUR VISION



At CORPS, we are driven by the pursuit of excellence. Our operational paradigm revolves around continuous improvement of existing products, services, and the research and development of new solutions. We are committed to meeting and exceeding your expectations, striving to be your best full-service corrosion mitigation provider.

Let CORPS be your shield against corrosion. Contact us today to fortify your assets and secure your future.

RANGE OF SOLUTIONS AND SERVICES

At CORPS, we offer comprehensive EPC service for your asset's corrosion challenges. Here are the key features of our EPC services, available both in INDIA and INTERNATIONAL locations:

CATHODIC PROTECTION (CP) SYSTEM

- Cross Country Pipelines
- Plants Pipeline (Internal & External) (Hydrocarbon Plant, Fertilizer Plant, Power Plant & Water Processing Plant)
- Tank Bottom & Internal
- Mounded Bullet
- Offshore (Platforms & Pipelines)
- Well Casing & Jetty Casing



CP SYSTEM CONSULTANCY

We have a dedicated team of AMPP (NACE) Certified Corrosion Specialist, C.P. Specialists, Cathodic Protection Engineers to provide a specialized wide range of services like

- Feasibilities surveys.
- Corrosion Design Data Collection surveys.
- Design and Engineering
- Design review and validation
- Installation Supervision &Testing & Commissioning
- Tendering Assistance to Client



CORROSION SURVEYS

- AC/DC Interference Survey and Mitigations.
- Close Interval Potential Logging (CIPL)
- Direct Current Voltage Gradient (DCVG)
- External Corrosion Direct Assessment (ECDA)
- Internal Corrosion Direct Assessment (ICDA)
- Soil Resistivity.
- Offshore Pipelines Corrosion Surveys.





ECDA (External Corrosion Direct Assessment)

- Pre-Assessment
- Indirect Examinations
- Direct Examinations

ICDA (INTERNAL CORROSION DIRECT ASSESSMENT)

- Pipeline System Evaluation and Assessment
- Engineering Calculations
- Laboratory Analysis of Gas, Liquids, and Solids
- Microbiologically Influenced Corrosion (MIC) Testing, Studies and Evaluation
- Corrosion Monitoring by Coupons & Probe
- NDT (Non-Destructive Testing, In-line Inspection, Ultrasonic)
- Application of Inhibitors and Bacteriacides



AC INTERFERENCE SERVICES

- Soil testing with variable frequency instruments
- Multi-layer soil resistivity measurements and software modelling
- Subsurface geologic investigations
- EHV transmission system analysis
- Modelling of induced AC and fault analysis
- AC interference mitigation design

DC INTERFERENCE SERVICES

- Field testing for foreign pipeline influence
- Transit system current analysis
- Telluric Current Compensation Survey
- Computer modeling of stray current interference
- Interference mitigation design

CORROSION MONITORING SYSTEMS

❖ **External Corrosion**
- Corrosion Coupons
- ER Probe

❖ **Internal Corrosion**
- Corrosion Coupons
- ER Probe & Fitting Assembly
- Installation and Maintenance

❖ **Hot Tapping**



CORROSION RISK ASSESSMENT ACTIVITIES:

- Software Simulation & 3D Modelling for Corrosion
- Corrosion Rate Estimates
- Corrosion Measurements
- MIC Investigations
- Root Cause Analysis
- Coating Anomaly Assessment
- Damage Assessment
- Dent Evaluation
- Coating Rehabilitation



CORROSION INHIBITOR (IN INDIA ONLY)

- VpCI for Tank Bottom & Cased Crossing
- Installation of VpCI for tank bottom and casing
- Inhibitor Supply and Installation for Oil Exploration Rigs and Heat Exchangers.

Corrosion tends to accelerate in drilling pipes during oil rig drilling operations, potentially leading to fatigue. To combat this issue, corrosion inhibitors offer an effective solution.



CATHODIC PROTECTION IN CONCRETE

Cathodic protection in concrete is a vital corrosion prevention technique that finds application in a **Highway Bridges, Civil Structures**. In the context of highway bridges, it helps extend the lifespan & safeguarding against the corrosive impact of de-icing salts and environmental factors.

In concrete buildings, both existing and new, cathodic protection acts as a shield, preserving structural integrity and reducing maintenance costs.

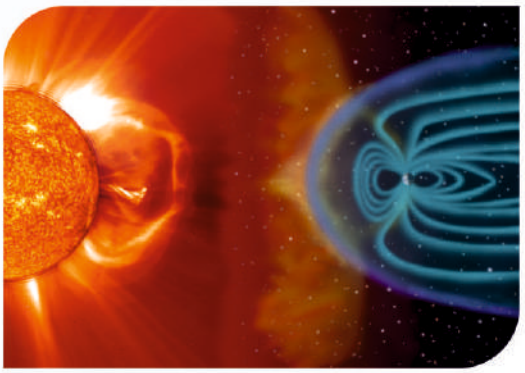
- Jetty Piers & High Capacity Storage Tank Piers



TELLURIC INTERFERENCE

Telluric currents caused by the variations in the earth's magnetic field are well known to present difficulties to operators of pipeline systems. These currents manifest themselves as pipe-to-soil potential fluctuations which are dependent on both location and time.

Telluric Compensation CIPS survey approach to developed the maximize close interval survey accuracy in telluric current affected areas. The telluric monitoring procedures developed are used during all close interval potential survey.



OUR VALUABLE CLIENTS

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WORLDWIDE PRESENCE