



**ICS- ELECTRO CORR DAMP PVT. LTD.**  
**International Certification Services**



### Corrosion & Cathodic System Services

Since 1989, ECD has successfully accomplished number of Cathodic Protection assignments for public and private sector industries like Oil & Natural Gas Corporation Ltd, Hindustan Petroleum Corporation Ltd, Bharat Petroleum Corporation Ltd., Maharashtra Water Supply & Sewage Board etc. For years our staff & professionals have constantly met the needs of business and industry. With the collective knowledge, skills and multi-disciplinary expertise, we are ready to assist you.

Above Ground as well as Under Ground & Infrastructure made up of Heavy Metal and Concrete Bridges, Structural Steel, Aluminum Steel, Cast Iron, Galvanized Steel, OEM, Tanks, Piping System, Onshore Pipeline, Offshore Fixed & Mobile Structures Submarine Pipelines and all Marine Structures & Offshore going Vessels etc needs necessary protection from corrosion.

We will provide you with wide spectrum of Corrosion and Cathodic Protection System Services to safe guard important infrastructure, installations and facilities from corrosion thus ensuring the safety, integrity and operatability / availability of these national wealth

We are *Your Trusted Partner* and provide you with one stop source for:

### Corrosion Services

- Quality Assurance during procurement of Material, Components and Equipments.
- Engineering Design Assessment for the selection of suitable corrosion mitigation method.
- Failure investigation
- Piping/Pipeline System Corrosion Evaluation.
- On-Line Investigation.
- Corrosion Assessment
- Inspection & Surveillance of Protective Coating System
- Type Approvals of Corrosion materials.
  - 1) Coating System
  - 2) Inhibitors
  - 3) Components & Equipments
- In Service Inspection
- Pipeline Integrity & Assessment
- Risk Based Inspection (RBI) System.
- NACE HIC, SSC and other corrosion testing.
- Paint and corrosion coating testing.
- Electro Chemical testing for anodes.



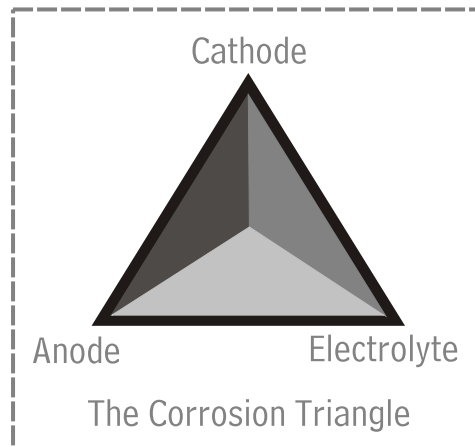
**Corrosion Check**

## Cathodic Protection System

The cathodic protection system is complementary in corrosion technology so as to have very effective and efficient corrosion protection system.

### C.P. System

- Selection of C.P. System, material and equipments.
- C.P. System Engineering Design Assessment
- Impressed Current Cathodic Protection System
- Sacrificial Cathodic Protection System
- Inspection & Testing of C.P. System on Site
- C.P. System Management
- Inservice Inspection during operation.
- Type Approvals (Anode and C.P. Alloys Materials and Equipments)
- Cathodic Protection Survey.
- CPL Continuous Pipeline potential survey
- DCVD Survey
- Soil Resistivity Survey, etc.



### Training

Training and Qualification of Personnel is most essential in this global competitive market place due to fast development of corrosion technology and advancement of the cathodic protection system. We conduct corrosion and C.P. System Training programmes regularly to assist organizations in training and qualification of personnel. Our training program meets NACE International training and qualification criteria that will cover :

- Coating System for Underground Pipeline
- Coating System For Submarine Pipeline
- Coating Inspector
- Cathodic Protection for Underground Pipeline System
- Cathodic Protection for Offshore, Fixed and Mobile Structure and Installations.

### Erтификаtion of Management System

- ISO 9001 : 2000, Quality Management System
- ISO 14001 : 1996, Environmental Management System
- OHSAS 18001 : Occupational Health & Safety System

We are accredited by the Joint Accreditation System Of Australia & New Zealand, Australia for QMS & EMS.

### Associates:

International Certification Services has number of associate organizations from USA, Italy and Germany to enhance their expertise and capability in the field of corrosion and C.P. System.



### Research & Development

Number of research and development projects are undertaken to evaluate the corrosion technology and its effectiveness its mitigation methods including cathodic protection system. These R & D projects are conducted in co-operation with the manufacturing industry, corrosion institutions and Operators.