



Altamira Cathodic Protection Services Include:

- Asset Management
- Field Survey
- System Install, Troubleshooting and Maintenance
- Data Tracking (PCS)
- AC Modeling
- AC Mitigation
- Pipeline Management
- Compliance Management
- Regulatory Audit Preparation
- Regulatory Audit Representation

Cathodic Protection

At Altamira, our experienced team of technical engineering experts and professional advisors has decades of experience in the design and implementation of cathodic protection systems. Our system designs can operate and protect an asset for the duration of the asset's design life.

Altamira's implement of cathodic protection programs helps clients to identify and resolve stray current corrosion using control bonds or control drain points for foreign system induced stray current corrosion, as well as the design and installation of properly sized grounding systems for asset protection and personnel safety.





Corrosion:

■ A natural process that converts a refined metal into a more chemically stable oxide. It is a gradual deterioration of materials by chemical or electrochemical reactions with their environment. The global cost of corrosion is estimated to be \$2.5 trillion dollars. The annual cost in the United States is estimated to be equal to 2.7% of the GDP. This cost does not include the environmental impacts of failing infrastructure. Adaptation of corrosion control processes can reduce this global cost by up to 35%.

Corrosion and Corrosion Control

Altamira provides a step-by-step corrosion control program for clients, that is specifically developed for each of the many corrosion forms. Altamira's adaptation of corrosion control programs, conducted thorough field surveys on the assets and their environment prevent premature failure of underground assets, tank bottoms and tank internals. These programs extend the service life and prevent voltage related injuries to personnel and equipment.

We have extensive experience developing first line defense of corrosion, coating. Soil movement, foreign cathodic protection systems, high voltage transmission lines and probing are just a few of the factors that deplete coating reliability. Altamira's experience with corrosion and cathodic protection processes provides clients with innovative and meticulously developed corrosion control plans that mitigate the wide variety of corrosion challenges within process systems equipment.

