

Corrosion Science & Evaluation

CTLGroup has been a pioneer in the evaluation, rehabilitation, and maintenance of steel. Corrosion of steel is the most common cause of deterioration in infrastructure, leading to annual infrastructure repair costs of more than \$45 billion in the U.S.

CTLGroup has extensive technical expertise on the assessment of existing structures affected by atmospheric corrosion, reinforcement corrosion, the development of corrosion protection plans, the repair of affected areas, and prevention of further deterioration.

Understanding the causes and consequences of corrosion deterioration is the key to preventing and correcting damages. An advanced knowledge of the influencing parameters can result in facilitating asset managers to weigh the effects of corrosion on a structure's remaining technical service life, and to confidently develop cost-benefit analyses for renovation programs.

CTLGroup experts have performed field and laboratory corrosion evaluations to interpret and analyze data in order to accurately understand the condition of structural components subjected to corrosion. Structures that we have investigated include utilities, soil retention, structural steel, and reinforced and posttensioned concrete elements.

