



SteelCalc™

Assessment Techniques & Condition Analysis

For many years, the condition of steel structures was determined through visual assessments and the collection of field measurements on areas of the structure affected by corrosion. This method categorized structures based on cross-section loss, so that a condition rating could be determined, and appropriate mitigation options could be applied.

While this method was considered the best practice for many years, a new industry standard has been developed by Osmose's team of PE-licensed civil, structural, and software engineers. SteelCalc™ offers a tailored approach by analyzing the structure's reaction to various load cases and comparing it to the current load capacity of each individual member to provide utilities with a more accurate condition rating method.

SteelCalc is the only analysis method in the electric utility industry that provides accurate component and structure condition ratings. It provides more precise results, improved risk profiles at the structure and circuit level, extends service life, and optimizes the use of capital budget.



