

FLOW ACCELERATED CORROSION

United Engineers & Constructors delivers the expertise and experience to help utilities reach their economic goals while ensuring a focus on safety, reliability, and performance is maintained. Our innovative approach assists utilities in streamlining processes, optimizing inspection scopes, and improving the effectiveness of program planning and analyses.

Our Engineering Programs team provides support in assessing utility Flow Accelerated Corrosion (FAC) program processes and procedures to ensure high-value activities are prioritized and low-value activities are minimized or eliminated. Our experts provide valuable insights during assessments, procedure updates, and benchmarking efforts often leading to significant program efficiency improvements.

United team of program experts are able to assist you in maintaining and improving your FAC program.



**Delivering Customer Success
Through Innovative Solutions**

United Strengths

We staff engineers with a wide range of experience and backgrounds including former utility engineering program owners. Their experience and understanding of the utility environment and needs enable us to provide solutions that meet all of your organization's goals including technical, financial, and regulatory.

FAC Program Updates

United Engineers & Constructors has developed processes and tools enabling us to update the key FAC program elements in an efficient and reliable manner. System Susceptibility Evaluations (SSE), Susceptible Non-Modelable Analysis (SNM), CHECWORKS™ SFA models, and other program elements are updated to reflect current plant parameters and to meet current industry standard.



RECOGNIZED AS INDUSTRY LEADERS IN FAC PROGRAM IMPLEMENTATION AND OPTIMIZATION

CHECWORKS™ SFA Expertise

Our Engineering Programs team is recognized as a world leader in the use and implementation of CHECWORKS™ SFA. United has been instrumental in the verification, demonstration, and implementation of CHECWORKS™ SFA. Our experts have authored several EPRI documents related to the use and interpretation of CHECWORKS™ SFA model data.

Long Term Inspection and Replacement Plans

United Engineers & Constructors focuses on developing long-term inspection and replacement plans for the FAC inspection program which align with your operational goals. By integrating predictive analytics and historical data, we help utilities establish comprehensive strategic replacements. This proactive approach not only enhances system reliability but also ensures compliance with regulatory standards, ultimately leading to further reductions in downtime and maintenance costs over time a longer period. Our optimization process allows you to minimize the number of inspections while maintaining a low risk of failure.

On-Site and Remote Support

United program engineers are available to support you in cost effective ways. We Provide on-site support for:

- NDE Data Analysis
- Component Structural Qualification
- Remaining Life Evaluations
- Mentoring and Training
- Self-Assessment Expertise

Additionally, we offer remote support for all aspects of FAC program implementation including outage support.

Resources to Support Your Needs

United Engineers & Constructors program engineers are available to provide technical expertise and to augment your FAC program staff. Whether as part of a program update, outage support, or temporary staff augmentation, our engineers can be seamlessly integrated into your team and processes. Many of our engineers currently hold FAC Program Owner qualifications at multiple utilities and can be available as needed.

About United

United Engineers & Constructors is an industry leading infrastructure engineering, procurement, construction and consulting company dedicated to improving lives by delivering the most impactful solutions. Since 1905, we have served the power industry by providing comprehensive lifecycle services for the nuclear, conventional generation, renewable, and distributed energy markets.

Together with our clients and partners, we are unified in our efforts to deliver innovative and transformative infrastructure that is designed and built to meet the demands of today and the future.

To learn more contact

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