

Streamlining Fatigue Management in Nuclear

Case Study

OVERVIEW

Xcel Energy is US based nuclear energy provider, whose mission is to continue clean energy transition, providing reliability, customer affordability and supporting their employees and communities

THE CHALLENGE

One of the biggest challenges facing Xcel Energy was needing a way to schedule their employees quickly and efficiently, while still complying with the relevant regulations from the Nuclear Regulatory Committee (NRC). These regulations are not only costly, they're complicated such as workers are not allowed to work more than sixteen hours in a single 24-hour period, and workers cannot work more than 26 hours in a single 48-hour period. Additionally, Xcel also needed a way to automate compliance reports which are needed on a regular basis, and take a lot of man hours to complete.

HOW INDEAVOR HELPED

Time Saved

With Indeavor's automated scheduling system, time intensive manual entry is a thing of the past. Now, Xcel Energy is able to automatically track complex fatigue rules and ensure everyone is getting the required amount of time off.

Reduction in Errors

Human error with regards to scheduling means some people might end up working more hours than they should. This could be a potential violation of an NRC rule, with fines up to \$300,000 per. With Indeavor, everyone's schedules are looked at the same time, meaning any violations will automatically be called out.

Streamline Annual Reporting Requirements

Instead of having to compile all of this information by hand, it is possible to use this automated fatigue management system to automatically send all required paperwork and documentation to the NRC. This frees up managers to focus on more important areas while prioritizing worker safety.

Promote Worker Safety

Removing fear of working while tired through ensuring fatigue is managed at the point of scheduling with Indeavor, the chances of making mistakes drops significantly. This promotes a culture of safety that is critical to Xcel's mission, and the Nuclear industry at large.

Automate Compliance

A single violation can cost more than \$300,000. With Indeavor, Xcel Energy not only avoids these fines but also reduces the chances of having to pay out unnecessary overtime expenses.



7,000+



North America



Nuclear

“ Xcel Energy is thrilled to work with the specialists at Indeavor for our Worker Fatigue Management solution. Their expertise and dedication has helped create optimized employee schedules and has enabled Xcel's compliance with nuclear fatigue management regulations under **10 CFR Part 26**. It has become a one-stop shop by streamlining internal workflows and combining different processes and applications, resulting in a lot of time saved across multiple work groups.”



John Troung
IT Manager-Nuclear