

A large, stylized orange chevron graphic pointing to the right, composed of two parallel lines that meet at a point on the right side.

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Digital Worker: Digital Turnaround Service

Video Transcript

Overview

Accenture's Digital Worker solution helps plant turnaround projects run safely and cost-effectively using data capture, integration and visualization technologies.

Voice-over

To keep operating facilities safe, compliant and reliable regular maintenance is a priority. While most maintenance occurs during regular operations, some activities must take place when the facility is shutdown, resulting in deferred or lost production.

Thousands of craft specialists work on-site to help get the plant back online as quickly as possible. While these workers are professionals, the short project timeframe and unfamiliarity of a

potentially hazardous work location could increase safety risks. Even with careful planning, these multimillion dollar events typically finish late and run over budget by 10 percent or more. Imagine gaining an hour from each of these workers every day using existing digital technology.

Accenture is making this happen now. Many clients are now safely executing these projects up to 25% below budget.

How are we doing this?

We capture and integrate data in near real-time and provide an interactive visual experience to help identify and solve current or impending inefficiencies.

To start, Accenture deploys ATEX-compliant WiFi across the plant facility, a process that can be done

in as little as 3 months. Accenture then equips field workers with ATEX compliant RFID devices. Combining a patented design for Industrial Pervasive Wireless, location tracking applications, and patent pending event analytics, Accenture tracks movement trends, progress and worker fatigue, all on the digital turnaround platform.

Accenture also brings the technology to life with boots on the ground in the Turn Around Optimization Center or TAOC, interpreting data and trends to support both the client and vendors real-time continuous improvements. Operators in the TAOC, scan dashboards, monitoring integrated data across existing execution, safety, and security systems.

Vendors, contractors and owners use daily execution reviews to immediately react to findings in a collaborative team approach and identify root causes of inefficiencies in real-time.

After tracking millions of worker hours, Accenture has seen dramatic productivity gains on industrial outages.

Leveraging near real-time integrated data drives a culture change enabling better decisions to drive a predictable, safe, productive environment for field workers and management.

Management has data to improve their internal processes and keep vendors accountable every single day.

Utilizing this platform for shut downs, turnarounds and outages is just the start for your facility. Contact Accenture Asset and Operations Services for more information:

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