CASE STUDY

Nuclear project reports zero lost materials with Octave Loop Material Readiness

Key facts:

Industry: EPC Firms, Nuclear Energy

Country: USA

Octave products used: Loop Material Readiness *(Jovix),* Active RFID Tags, Mobile Devices

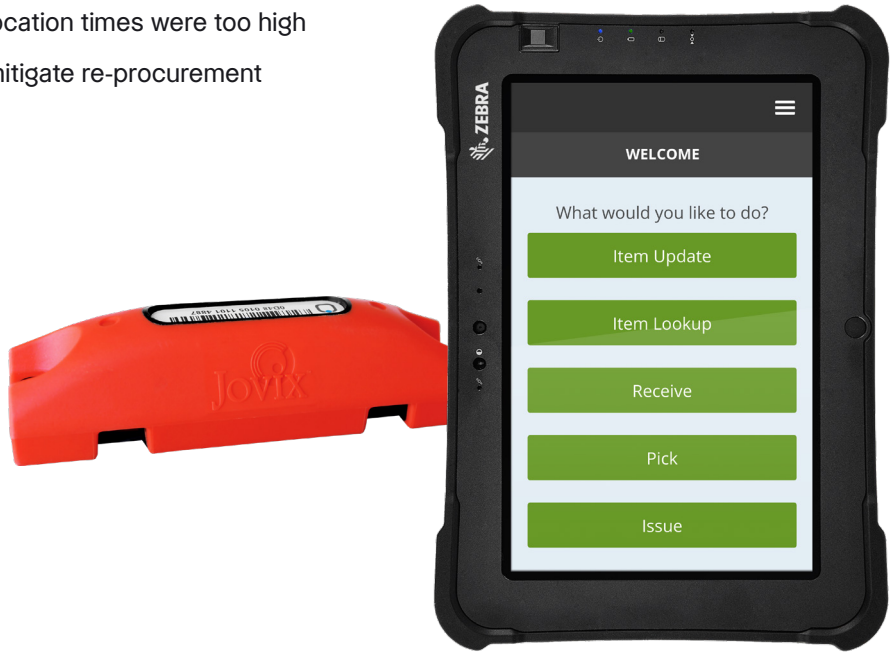
Key benefits:

- Zero lost spools over two years
- Reduction in material location time by a factor of eight

This nuclear project is being funded by a leading energy provider and is under contract with two EPC firms working together as consortium partners. Services in scope include the engineering, procurement, construction and commissioning of two nuclear reactors - the first nuclear construction in the United States in more than 30 years.

Challenges

- No systematic way to track over 70,000 materials
- Material location times were too high
- Need to mitigate re-procurement



The solution

The Loop Material Readiness deployment consisted of the following elements:

- **Mobile Devices:** Handheld devices used to define GPS coordinates for active RFID tags and to sync collected data with the Loop Material Readiness server
- **Active RFID Tags:** Suppliers and fabricators tag materials at their facilities which sends status and location data downstream through issue to construction

Loop Material Readiness was used to track the following types of assets:

- Pipe spools
- Structural steel
- Modules
- Embeds
- Rebar
- All supplier materials
- Supplier equipment
- Various bulk items

Results

- Reduction in material location time by a factor of eight
- Zero lost spools over a two-year period
- Construction's use of Loop Material Readiness provided material visibility and reduced the number of requests and inquiries to the materials management team

Reduction in material location time

BY A FACTOR OF EIGHT

ZERO LOST SPOOLS

in more than two years

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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