



CUSTOMER CASE STUDY

BKO Asset Configurator for Streamlined Metadata Management

Automating large-scale physical asset configuration and issue detection

Solution: BKO Asset Configurator **Industry:** Industrial Operations

Use Case Focus: Asset Configuration and Metadata Management

GOALS

- Automate real-time issue detection for subject matter experts.
- Enable rapid responses and accelerated troubleshooting workflows.
- Streamline the configuration of physical assets at scale.
- Establish a unified, structured approach to asset metadata.

SOLUTIONS

- Utilize BKO's Asset Configurator to build reusable templates.
- Apply standardized configurations across multiple asset components.
- Provide an intuitive interface with powerful automation tools.
- Enable custom annotations and metadata for richer asset context.

CHALLENGES

- Managing thousands of physical assets across complex levels.
- Scaling asset metadata modifications manually across organizations.
- Reducing high error rates associated with manual configurations.
- Maintaining consistent contextual structures for massive fleets.

RESULTS

- Achieved real-time issue detection and faster troubleshooting.
- Ensured absolute consistency in metadata across the organization.
- Created an error-free environment for asset configuration.
- Empowered domain experts to focus on innovation and productivity.

EXECUTIVE SUMMARY

BKO's Asset Configurator simplifies physical asset configuration by automating metadata management and issue detection. Organizations managing thousands of complex assets face severe challenges in maintaining metadata consistency and executing mass updates manually. By enabling engineers to build and deploy standardized templates, the asset configurator creates an error-free, automated environment. This streamlined approach empowers subject matter experts to detect issues in real time, troubleshoot rapidly, and focus on operational innovation.

The Challenge of Asset Contextualization

Modern industrial organizations manage hundreds or thousands of physical assets across multiple facilities. Each asset operates within complex, multi-layered contextual frameworks, making manual metadata management highly inefficient. Subject matter experts and operations engineers constantly struggle to add, modify, or remove assets and their associated parameters at scale. Without automation, manual data entry inevitably leads to frequent configuration errors, inconsistent data quality, and severely delayed troubleshooting times. These operational bottlenecks prevent enterprises from establishing the clean, contextualized data foundation required for real-time analytics and predictive maintenance.

Template-Driven Configuration Architecture

The BKO Asset Configurator directly addresses these structural challenges by introducing template-driven automation. Engineers can easily build highly customized asset configurations and save them as reusable templates. Once a template is defined, it can be applied instantly to configure hundreds of similar components across the entire enterprise. This standardized approach brings an entirely new level of consistency and depth to metadata management. By replacing manual workflows with an intuitive, automated interface, the solution ensures that all physical assets are mapped accurately and conform to rigorous quality standards.

Enabling Rapid Detection and Innovation

By streamlining the asset configuration process, organizations unlock immediate real-time issue detection capabilities. Subject matter experts can now leverage precise metadata and custom annotations to identify operational anomalies instantly. This rapid feedback loop enables faster troubleshooting, minimizing downtime and improving overall equipment effectiveness. Operating in an automated, error-free environment empowers engineering teams to shift their focus away from tedious administrative tasks and toward high-value innovation. The resulting workflow enhancements drive sitewide productivity and maximize the return on physical asset investments.