



Asset Utilization Monitoring with DataV™ Track

Coordinate visibility into all industrial operations in real time

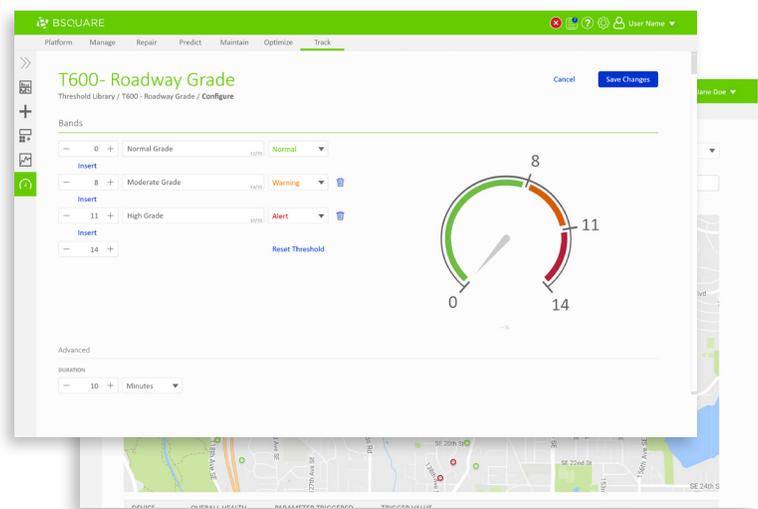
Your industrial company depends on vast numbers of geographically dispersed assets operating at peak availability, performance, and quality for the highest overall equipment effectiveness (OEE). Compliance with stringent regulations and asset lease or service-level agreements is also important.

Applying industrial IoT technology to your operational data allows your business to achieve *asset utilization monitoring*, which uses data to reveal immediate insights into what is (and isn't) working across your asset ecosystem.

Asset utilization monitoring with DataV Track provides organization-wide visibility into data and its interconnections, so you can make more informed decisions. The software aggregates data from all connected equipment and sources, such as line-level PLCs, HMI systems, MES, EMI, parts inventories, and ERP systems. It then applies business and compliance policies (rules-based logic) to make enterprise-wide data understandable and actionable.

Operations managers and engineers can use DataV Track to expose ways to coordinate equipment, personnel, systems, and raw materials in near real time. They can determine where and how to optimize production, enhance product quality and delivery, maximize workplace safety, and ensure business and regulatory compliance.

Full visibility into operations with DataV Track dramatically improves your company's ability to understand both its resource usage and the steps needed to meet short- and long-term business objectives.



- Maintain compliance
- Stop under-utilizing valuable assets
- Monitor all resource use from one dashboard
- Validate equipment performance, health, and effectiveness
- Extend useful life and ROI of capital equipment

DataV Track Profile

Uses data to: Track real-time usage of managed assets across multiple industrial systems infrastructures

Ideal for: Businesses seeking to manage OEE and/or maintain compliance in regulated environments

Unique strengths:

- Designed for the rigors of industrial businesses
- Performs robust data analysis behind a highly accessible interface
- Includes highly collaborative engagement between Bsquare teams (who know data analysis) and you (who know your business)

DataV Track Key Features

Important asset utilization capabilities:

Rules and automation

- ▶ **Value statement for business:** Supports data driven and goal-based reasoning using a complex business rules engine built on a hybrid reasoning system (HRS). Data-driven reasoning evaluates information such as asset telemetry against rules (configurable constraints) to determine what action to take.

Enterprise workflow integration

- ▶ **Easily monitor all aspects of operations:** Configures and detects events or conditions to trigger enterprise workflows with ERP and other systems (e.g., integration with dispatch system to reroute idling trucks and free up capacity on overloaded routes).

Asset activity tracker (user notifications)

- ▶ **Know when assets are underutilized:** Displays each asset's relevant telemetry, contextual data, and status against utilization metrics; alerts operators via email, SMS, or other means when an asset is underutilized.

Asset reports and audits

- ▶ **Prove compliance and track repair activities:** Provides visualizations and insights technicians can reference and utilize in compliance reports.

Telemetry monitoring

- ▶ **View every asset, no matter how far away:** Remotely gathers, monitors, and presents real-time asset operating conditions and environmental data.

DataV Track from an IT Perspective

Leverages cloud security and scalability:

DataV is an industrial IoT solution delivered via SaaS on best-in-class, mainstream cloud architectures. It leverages and adheres to the same high standards and best practices for security, scalability, and reliability that are built into these cloud platforms:

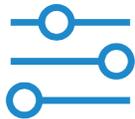
- SOC 2, Type 1 certification
- Encryption in transit and at rest
- Asset authentication and authorization
- User authentication and authorization
- Scalability to millions of devices, petabytes of data per day

Bsquare DataV: An IoT solution built for industrial demands

DataV Track is one of many purpose-built applications of Bsquare DataV, a comprehensive industrial IoT solution characterized by partnership, adaptability, and speed to value. DataV automates the grunt work of complex data analysis, while close collaboration between customers and Bsquare data scientists eliminates the need for companies to develop or source their own IoT applications and solutions. With DataV to perform robust data analysis at the edge and in the cloud, companies can swiftly derive continuous value from data in order to stay productive and competitive.

Bsquare DataV is built for using data to solve the most critical business use cases — the situations your operators, business leads, and technicians face every day as they seek to manage your business' assets, adapt rapidly to its changing needs, and predict and forestall asset failures for you and your customers.

Part IoT platform, part prebuilt applications, part IoT services — DataV is a complete solution for every stage of industrial IoT.



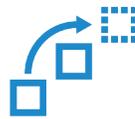
MANAGE

Control the health and performance of your IIoT connected assets.



ANALYZE

Optimize IIoT device, system and process operations.



PREDICT

Forecast performance of connected, mission-critical assets.



SERVICES

Professional, value-add services to configure and customize DataV to your needs.

About Bsquare

For more than two decades, Bsquare has helped its customers extract business value from a broad array of assets by making these assets intelligent and connected, and using data collected from them to improve business outcomes. Bsquare software solutions have been deployed by a wide variety of enterprises to create business-focused Internet of Things (IoT) systems that can more effectively monitor assets, analyze data, predict events, automate processes and, in general, optimize business outcomes. Bsquare couples innovative software with advanced professional services that can help organizations of all types make IoT a business reality.

Find out more about how Bsquare can help your organization use IoT for maximum impact:

sales@bsquare.com | 425-519-5900 | www.bsquare.com | [in/company/bsquare](https://www.linkedin.com/company/bsquare) | [@bsquarecorp](https://twitter.com/bsquarecorp)