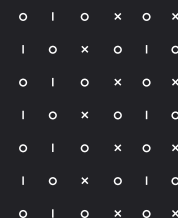


BMC Helix IoT Edge

Collect and analyze operational technology data at the edge



PRODUCT DESCRIPTION

BMC Helix IoT Edge is an emerging technology solution that collects, aggregates, and analyzes operational technology (OT) data at the point of inception (edge) to enable anomaly detection, predictive maintenance, and asset discovery. BMC Helix IoT Edge for Internet of Things (IoT) environments delivers local compute and artificial intelligence (AI)-driven processing to edge devices, converging the edge and cloud for real-time business insight.

BUSINESS CHALLENGE

Enterprise IT organizations are deploying more internet-connected devices than ever—and seeking to make use of the volumes of valuable data they generate far away from centralized networks or public clouds. That explosion of industrial IoT (IIoT) has created an infinite trove of OT data, but it isn't used to predict potential failures or monitor business-critical systems because IT and OT data systems, duties, tools, and processes are siloed. To remain competitive in the post-cloud era, innovative companies are adopting edge computing, which offers breakthrough capabilities that are not available at the core. However, edge computing faces a unique challenge. With no unifying platform for the Industry 4.0 edge, OT and IT data stay separate.

BMC SOLUTION

BMC Helix IoT Edge can change that, leveraging the power of traditional IT's AI data and machine learning (ML) capabilities to efficiently process reams of OT data and:

- Gain enterprise-wide visibility and actionable insights
- Minimize unplanned downtime
- Improve mean time to repair (MTTR) and mean time between failures (MTBF)
- Increase return on assets

BMC Helix IoT Edge serves as a unifying platform for the Industry 4.0 edge, enabling companies to efficiently collect and funnel data into data management systems to better monitor all their business-critical systems and better predict potential failures before they happen.

Enterprises in industries such as construction, manufacturing, mining, and energy are embracing the BMC Helix IoT Edge solution, which enables them to run the core elements of any solution locally, empowering local devices to save their state, interact with each other, and send important alerts and notifications.

KEY FEATURES

- Data collection at inception
- Multi-layered security
- Enterprise-wide visibility
- Condition monitoring and predictive maintenance
- Anomaly detection
- Real-time business insights

PRODUCT DETAILS

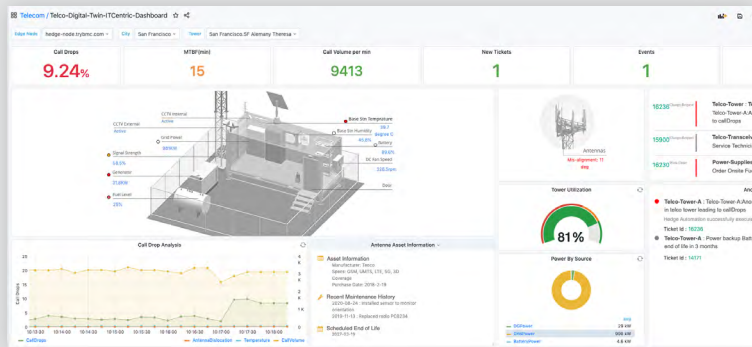
- **Secure integration:** Uses a pluggable microservices architecture to connect, analyze, and securely integrate all asset data into the existing systems that inform operators, engineers, maintenance teams, and data scientists.
- **Open source:** Built on an open source and interoperable software platform.
- **Device neutral:** Interacts with the physical world of devices, sensors, actuators, and other IoT objects.
- **Data collection at inception:** Collects and processes data at the point of inception without having to move large volumes of data to a central data center or cloud environment.
- **Holistic view:** Converges OT data with IT data for a holistic view across informational and operational environments to provide a higher level of intelligence.
- **Predictive maintenance:** Extends the AI/ML capabilities of traditional IT monitoring solutions to operational technology data for anomaly detection and predictive maintenance.
- **Automated discovery:** Uses the power of BMC Helix Discovery at the edge to inventory systems and automate discovery and cataloging of new devices.
- **Device maintenance:** Tracks device lifetime usage against life expectancy and maintenance requirements.

KEY BENEFITS

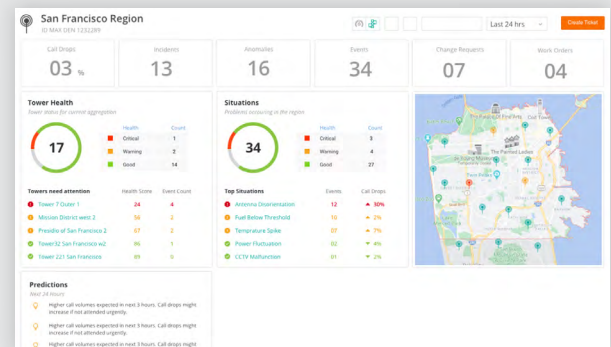
- **Real-time data processing** as data is analyzed at the local device level versus a distant location or cloud.
- **Lower operating costs** attributed to smaller operational and data management expenses on local devices.
- **Reduced network traffic** as data is not often transmitted to the cloud.
- **Easy configuration, setup, and management** of thousands of edge locations for seamless interdepartmental operations.
- **Improved application performance** with a lower latency level at the edge of the network.

FOR MORE INFORMATION

To learn more about the breakthrough capabilities of this new solution, please visit [BMC Helix IoT Edge](#)



- BMC Helix IoT Edge collects and analyzes data in real time with intuitive dashboards showing key metrics, an example seen here for a telecom network provider.



- BMC Helix IoT Edge uses the power of AI/ML to predict and prevent events based on current and historical sensor data.

About BMC

From core to cloud to edge, BMC delivers the software and services that enable over 10,000 global customers, including 84% of the Forbes Global 100, to thrive in their ongoing evolution to an Autonomous Digital Enterprise.

BMC—Run and Reinvent

www.bmc.com



BMC, the BMC logo, and BMC's other product names are the exclusive properties of BMC Software, Inc. or its affiliates, are registered or pending registration with the U.S. Patent and Trademark Office, and may be registered or pending registration in other countries. All other trademarks or registered trademarks are the property of their respective owners. © Copyright 2021 BMC Software, Inc.

