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SOLUTION OVERVIEW

Asset Intelligence

Leverage the Internet of Things to create a digital twin of critical assets to improve operations and digitalize inventory management

Remotely inventory assets for a real-time and accurate count

Two-thirds of asset operators will use **digital twins** from their component suppliers, up from one-third currently[1]

Deliver enterprise data governance models to augment legacy asset management applications

Many organizations are still managing their assets manually, using outdated methods such as pen-to-paper inventory spreadsheets or paper-based labels. This leads to inefficiencies that can cause inaccurate inventory counts and lost assets. Without an easy means to confidently identify a particular asset, there is not a way to verify that personnel are submitting the correct asset for a work order.

The OpenText Asset Intelligence solution is the starting point in the creation of the digital twin. This digital creation of the asset in the OpenText Internet of Things Platform allows for the collection, orchestration, and governance of the data from the identified and verified asset as it operates and can be integrated to business applications. The data from this digital twin can be securely orchestrated and disseminated to key stakeholders, customers, or regulators as germane to their role in the operation of the asset.

Remotely inventory assets for a real-time and accurate count. Eliminate manual inventory processes that can create misunderstood or inaccurate reporting. Gain the asset intelligence needed for future use cases to track, trace, and monitor the asset as it operates.

Two-thirds of asset operators will use digital twins from their component suppliers, up from one-third currently.[1] An industrial example of a digital twin is the correlated asset information for an air compressor deployed on a plant floor. A digital

[1] Gartner, 6 Critical Changes That Affect the Future of Asset Maintenance. April, 2020

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Digital twin:

A digital twin is a digital representation of a physical object, instantiated as a software object that mirrors a unique physical object's characteristics and its state.

By 2023, 30% of manufacturers will enhance their shop floor digital twin with real-time signal transponder data, leading to an 80% reduction in logistic bottlenecks in shop floor and storage areas.[2]

twin is created for the compressor in the OpenText IoT Platform and maintained to allow identification, simulation, analysis, and control of that compressor either by on-site staff or via remote teams. As more information is acquired, the digital twin becomes more useful, enabling evolution from reactive to predictive support. A digital twins solution enables staff to collect and disseminate the information in operationally relevant views, within the established roles of the organization.

By 2023, 30% of manufacturers will enhance their shop floor digital twin with real-time signal transponder data, leading to an 80% reduction in logistic bottlenecks in shop floor and storage areas.[2] IDC state that by "Joining B2B collaborative network platforms to support ecosystems will enable agility, control, resiliency and provide new digital connectivity to support physical coordination in new and existing network ecosystems. Remote monitoring through the Industrial Internet of Things (IIoT) goes beyond tracking goods in transit and provides inventory visibility and traceability. When fully integrated with the platform ecosystem, IIoT enables multiple supplier tier visibility, allowing automated alerts for supply bottlenecks or disruptions, alerting manufacturers to the need to find remedy or alternative supply".[3]

Deliver enterprise data governance models to augment legacy asset management applications. The OpenText Information Management (IM) approach to all digital twin solution implementations involves product-level partnerships with solutions providers such as SAP®, Microsoft®, Siemens®, and Dassault® which include certified integrations that meet or exceed industry standards for records management, including the Department of Defense 5015.02. Standards-based inter-operability means all data in any format can be accessed through any front-end application and processed through machine learning (ML) and artificial intelligence (AI) algorithms. Using an IM system to unite information silos is critical to successfully implementing a digital twins solution.

Creating information advantage through Asset Intelligence is all about maximizing its value. This requires a holistic approach to the entire information landscape. At OpenText, we understand the complexity of how and where information needs to flow, inside and outside the enterprise.

With that in mind:

We intelligently connect all mission-critical information sources together (SAP®, Microsoft®, Siemens®, and Dassault®) so they're accessible, and so they add context and insight.

Through automation, we simplify the aggregation and movement of information related to business process, reducing, or sometimes eliminating, the need for human intervention.

And with IoT, AI and Analytics, we process this information to derive actionable insight and answer complex questions that allow for predictive automation, and aid in decision-making—from the C-suite down to the field.

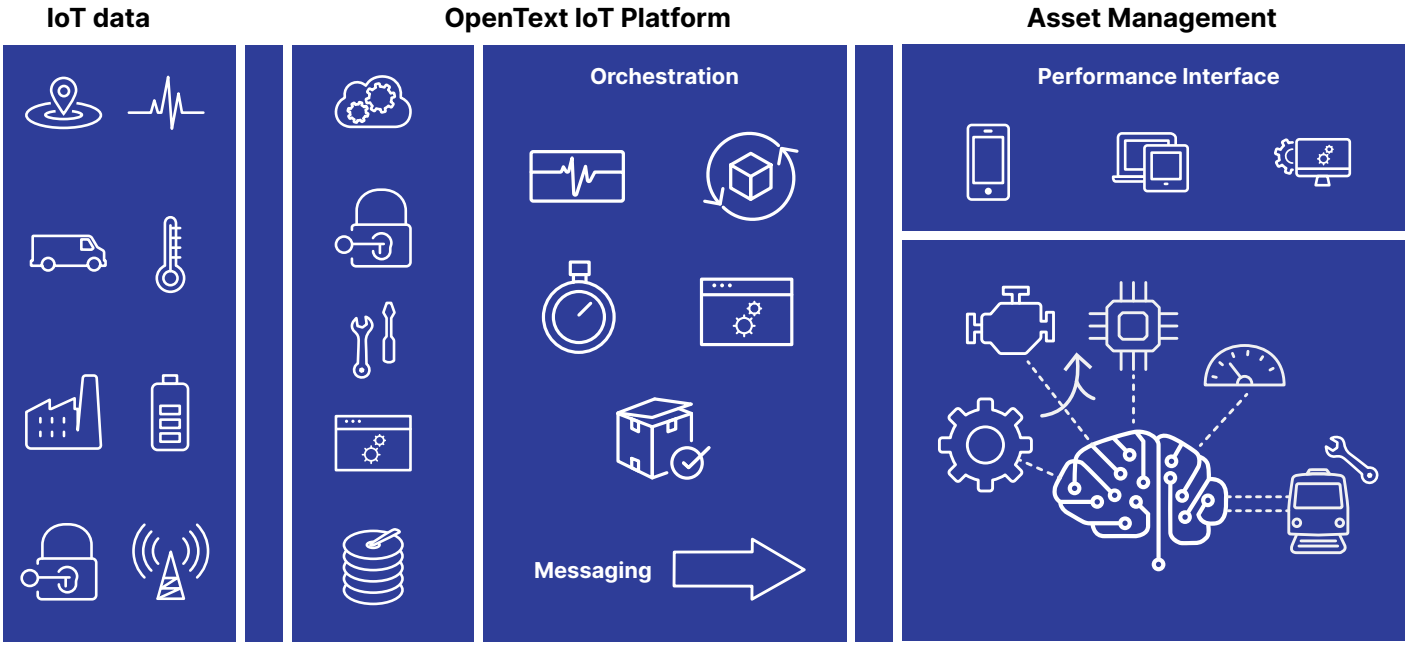
No one else can connect, synthesize, and deliver information like OpenText.

- OpenText Professional Services
- OpenText Managed Services

[2] IDC, FutureScape: Worldwide Supply Chain 2021 Predictions. October, 2020

[3] Ibid

Visualizing OpenText Asset Intelligence



Sensor data

Geolocation, temperature, shock, battery life, or other operating measurements.

Collect, orchestrate, message

Securely connected and orchestrated physical data with business rules. Messaged to workflows and downstream applications.

Manage asset performance

Manage an asset's performance via a Role Based interface. Enable workflows and downstream applications with extended insights

The OpenText Internet of Things Platform Description	
Secure device management	Leverages identity management to establish digital twins of physical objects, making it easier to visualize contextual data no matter where the physical device is located. Provisions and de-provisions secure IoT endpoints and data access to minimize cyber security threats.
Ecosystem integration	Seamlessly exchanges sensor-based information with key business systems, such as ERP, WMS and TMS. Offers comprehensive machine-to-machine or application-to-application integration capabilities.
Unified messaging	Provides any-to-any communications protocol support via a comprehensive messaging broker. Allows companies to perform rapid, secure and flexible integration of structured an unstructured data from MQTT to FTP.
Actionable insights	Transforms and orchestrates IoT data into actionable insights, visually represented in different forms. Combines comprehensive IoT analytics with advanced AI and machine learning capabilities to allow companies to quickly assess operational performance based on historical sensor data.

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- The OpenText Internet of Things
- The OpenText IoT Developer Trial

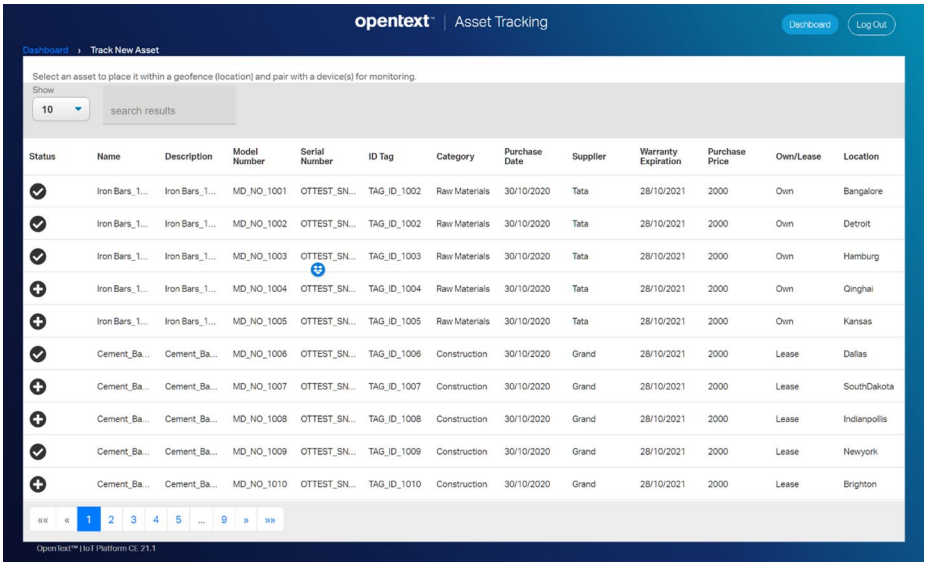

Figure 1. The OpenText Asset Tracking Solution Accelerator

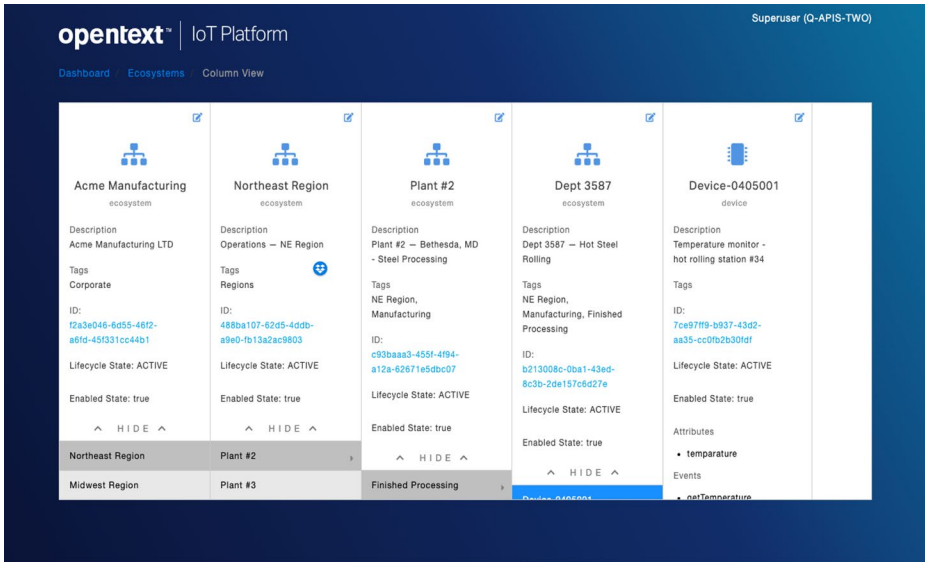

Figure 2. Visualize complex composite digital twins which are modeled as ecosystems in the OpenText IoT Platform

For more information visit the **OpenText Business Network Blogs**.

About OpenText

OpenText, The Information Company, enables organizations to gain insight through market leading information management solutions, on-premises or in the cloud. For more information about OpenText (NASDAQ: OTEX, TSX: OTEX) visit: **opentext.com**.

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