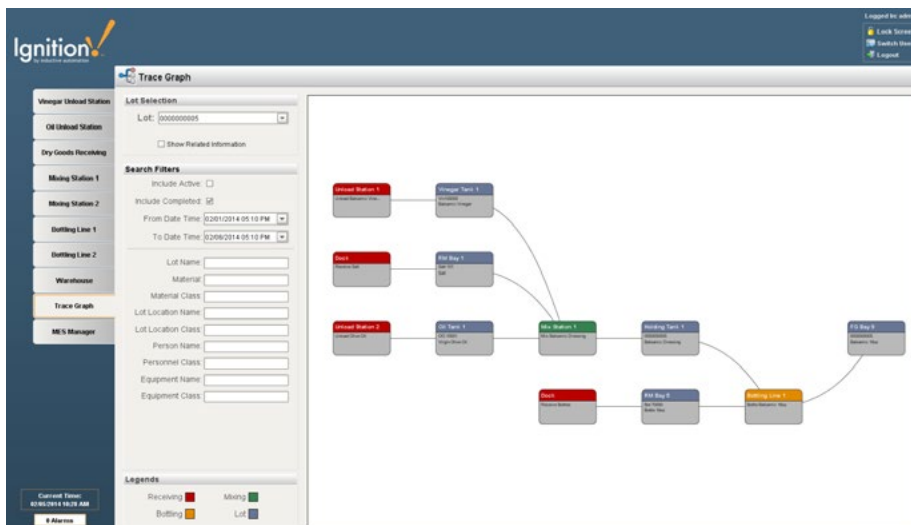# Track & Trace Module
MES BUILT ON IGNITION®

Add our Track & Trace Module to the Ignition® platform for the capability to look up where any product has been in its manufacturing process, and where it is now. This paperless and fully integrated solution allows manufacturers to track products from the raw materials to the finished state, access Genealogy data, and set up a centralized operator interface for all MES information.

Data Connections

The Track & Trace Module does more than track products through the manufacturing process. It pulls together production information from various sources: Overall Equipment Effectiveness (OEE), Statistical Process Control (SPC), recipe information, historical trends, and more. It can also be used to query data from systems outside of Ignition, such as Enterprise Resource Planning (ERP) systems. The Track & Trace Module provides navigation and linking of internal and external data together in an easily understandable visual display. It allows any enterprise to standardize its system across multiple facilities.

Visual Trace Graph

With the Track & Trace Module, you can search for product information through a unique and easy-to-navigate Trace Graph display. Search results are displayed in a visual format with raw materials on the left, the manufacturing procedures in the middle, and the finished products on the right. This allows users to see all of the processes, runs, lots and routes each product passed through. All of this information is organized chronologically and displayed in one place, making it simple to find the exact information you need.

Features
Data Connections
Visual Trace Graph
In-Depth Data and Analysis
Paperless Tracking
Traceablity Compliance
Regulations
ISA-95 Alignment
Powered by Ignition

Supported Operating Systems
Windows Server 2008/2012/2016
Windows 7, 8, 10, or later
Ubuntu Linux 12.04 or later
Other Java SE enabled OSes2[3]

Requirements
Ignition® Core Modules
Java SE 8+ (server)
Java SE 6, 7, 8, or 9 (client)
Quad-core processor (32- or 64-bit)
8GB RAM
10GB free HD space
(requirements vary by usage)
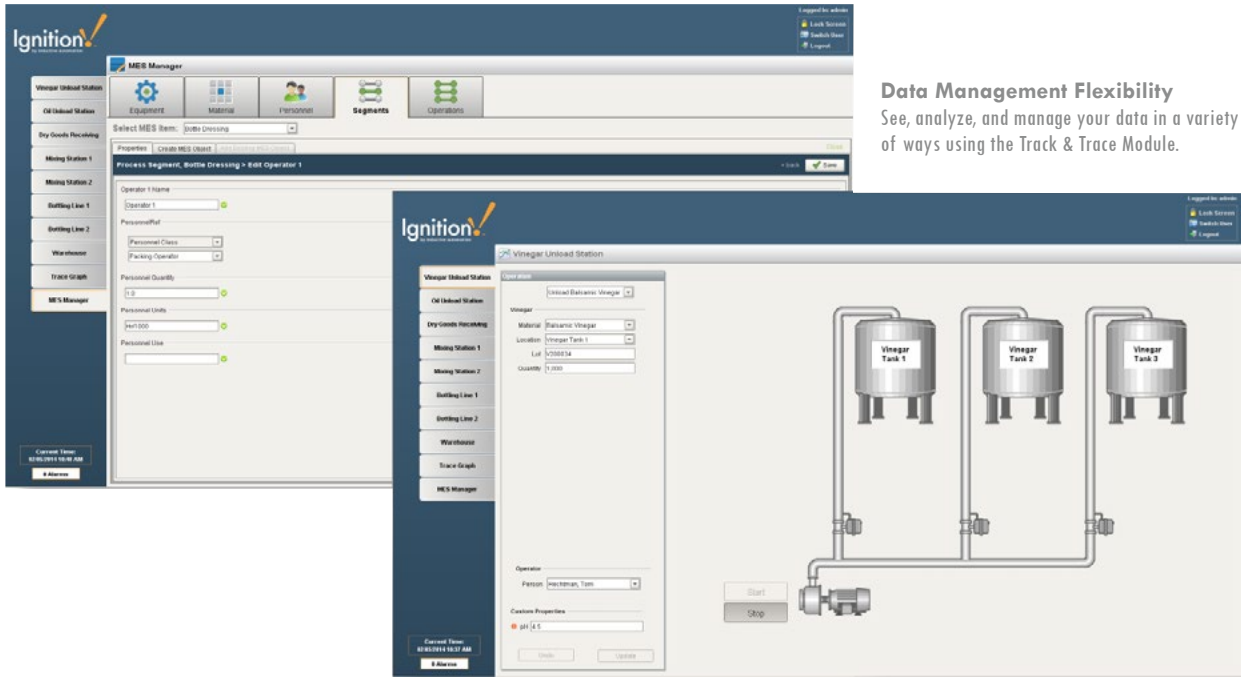
Supported Databases
Microsoft® SQL Server
MySQL
Oracle
Postgres

*Ignition® is compatible with any Java-enabled operating system. Full support is only offered for listed operating systems.

The Track & Trace Module
Consolidates relevant data from multiple systems into one unified interface.

Data Management Flexibility
See, analyze, and manage your data in a variety of ways using the Track & Trace Module.

In-Depth Data and Analysis

The Track & Trace Module brings together OEE, SPC, ERP, recipe, trends, among more information, placing all of this at your fingertips. Quickly get action summaries, view trends within Ignition®, and query external systems such as ERPs or warehouse management systems. See correlations between efficiency and quality. Keep an eye on historical trends, and access information related to compliance. This variety of valuable data gives you the insight to make better decisions as you move forward.

Paperless Tracking

Our module allows manufacturers to transition away from recording traceability information manually on paper and provide the tools to keep it alongside all of their system data on a unified platform, easily accessible for analysis and retrieval. Furthermore, automated tracking helps enterprises greatly increase their accuracy, speed, and efficiency.

Regulatory Traceability Compliance

Certain industries are facing increased regulatory demand for traceability information. The Track & Trace Module helps enterprises track their products through the supply chain and avoid fines by providing traceability access to information as requested by governing authorities.

ISA-95 Alignment

The Track & Trace Module is built to align with ISA-95, the international model for integrating enterprise and control systems. ISA-95 provides an excellent starting point for successfully implementing interfaces between enterprise and control systems.

Powered by Ignition

Track & Trace is an MES Module for Ignition®, a powerful, award-winning, HMI, SCADA, and MES software from Inductive Automation. The Track & Trace Module is seamlessly integrated with Ignition HMI to ensure information accuracy. It also works seamlessly with our other modules in the MES Suite, built to help your enterprise align with ISA-95 model standards for integrating enterprise and control systems.

Built upon the power of Ignition®, Track & Trace shares the same advantages including cross-platform compatibility, unlimited free clients, robust out-of-the box SQL database support, and fast installation. By leveraging the full power of Ignition®, this module is unlike any other traceability application available on the market.

The Track & Trace Module is available for download at the Inductive Automation Website:
inductiveautomation.com/downloads/ignition

Built On **Ignition** by inductive automation
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www.inductiveautomation.com