

# What is the VantIQ platform?

VantIQ provides the only full lifecycle, agile platform for development, deployment and execution of real-time event-driven business applications.

With VantIQ, you can create applications based on data-streams from any source, such as IoT and mobile devices, existing enterprise systems, and people. These full applications are not simply dashboards - but enable complex actions to be taken by people and automated systems in real time.

## \ Event-Driven

VantIQ is a fully reactive, event driven architecture that enables loosely coupled, highly agile applications that analyze and act on streaming data for real-time intelligence.

## \ Edge Native

Built from the ground up with Edge in mind, VantIQ is fully containerized and allows you to deploy and migrate applications seamlessly to any number of Edge locations.

## \ Agile

Applications can be developed using a drag and drop, low code IDE that allows you to easily manage the full application lifecycle from design to testing to runtime.

## Features

### Distributed & Federated

The VantIQ platform can be deployed once and securely service a large number of applications and users across a fully federated environment.

### Dynamic & Resilient

VantIQ applications can be dynamically updated and migrated with no down time as well as continue running locally in the case of network instability.

### Human-Machine Collaboration

VantIQ allows you to define how users and the system collaborate to resolve situations of interest to fully leverage the intelligence, experience, and wisdom of humans in addition to automation.

### Scalable Event Processing

Securely transport events between publishers and subscribers in a massively scalable mesh environment, including in-flight event stream processing to analyze, combine and derive millions of events in real time.

### Flexible Integration

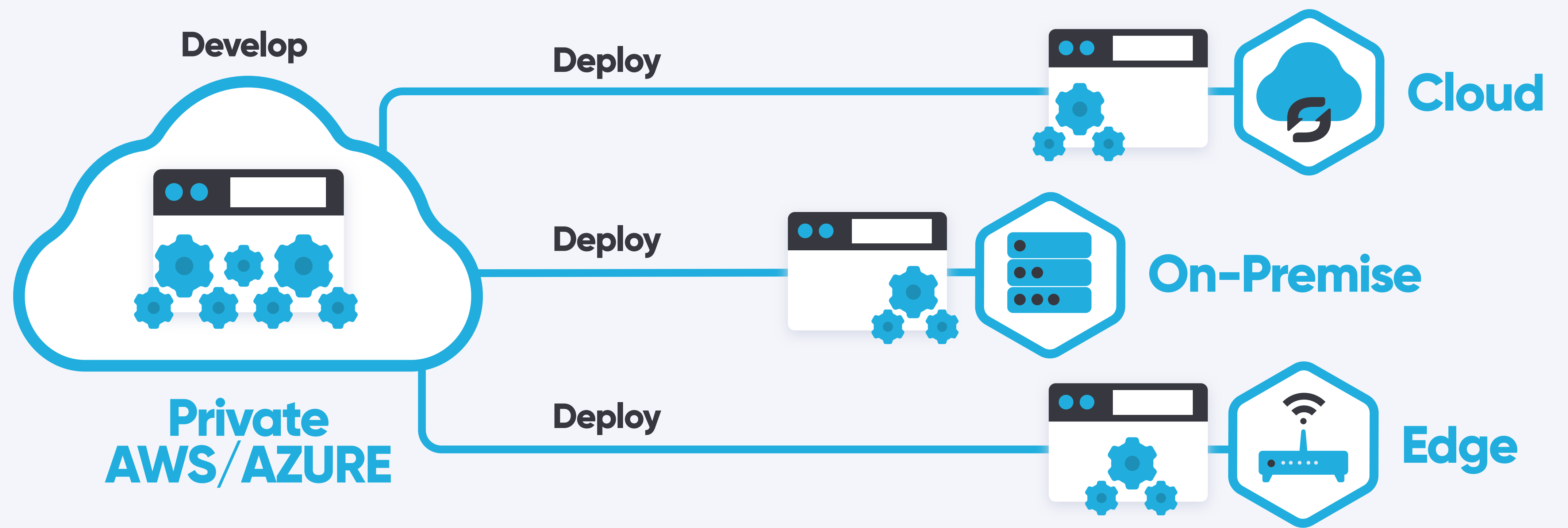
The VantIQ platform is made to seamlessly connect bidirectionally to any device and integrate with any enterprise system including IoT devices, ERP, SCADA, MQTT, AMQP, Kafka, and any REST API.

### Enterprise Connectors

VantIQ provides adapters for a number of commonly used data sources including Object Recognition, JDBC, JMS, OPC UA, CSV, and UDP as well as an SDK for rapid development of additional connectors.

# Deploy Anywhere

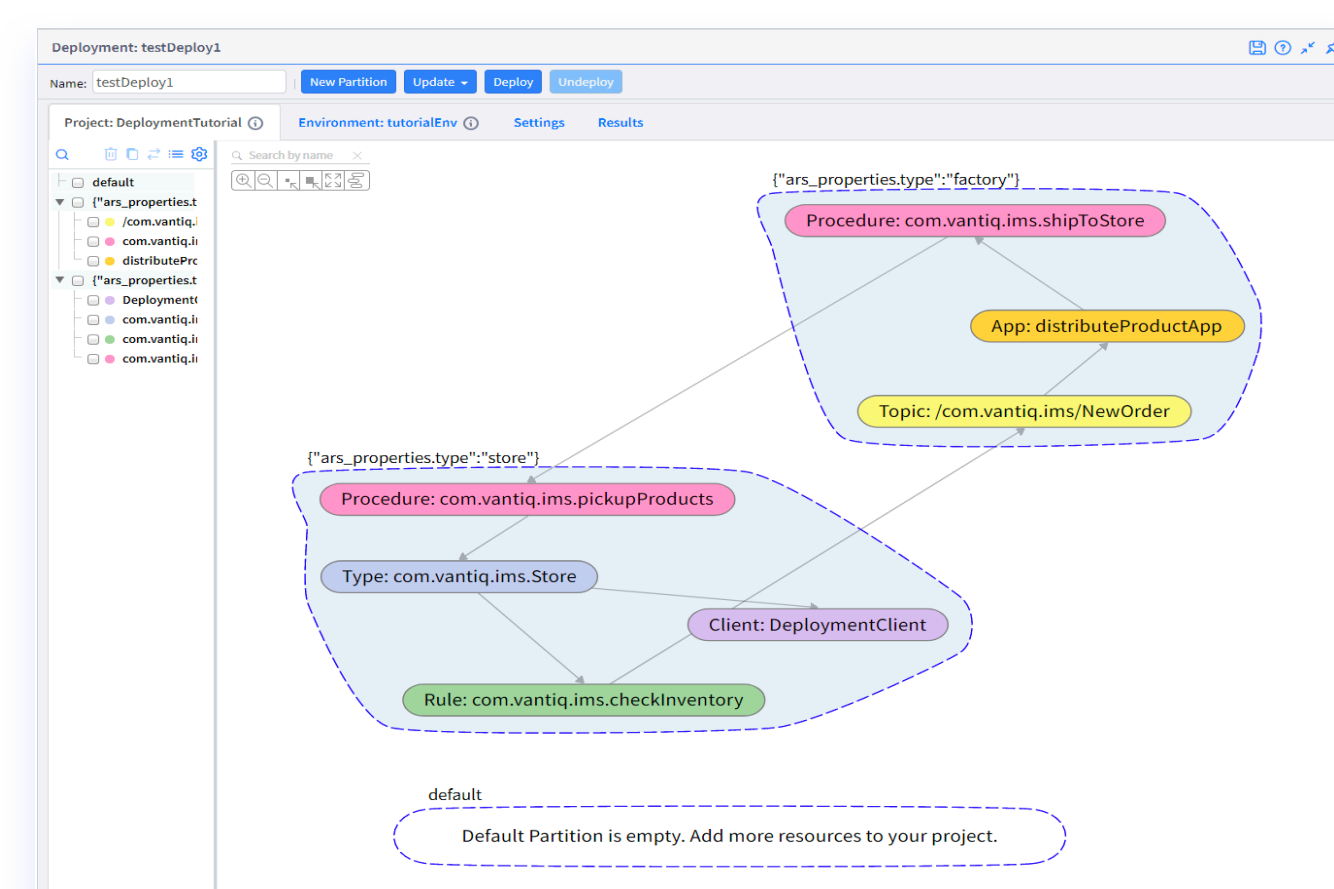
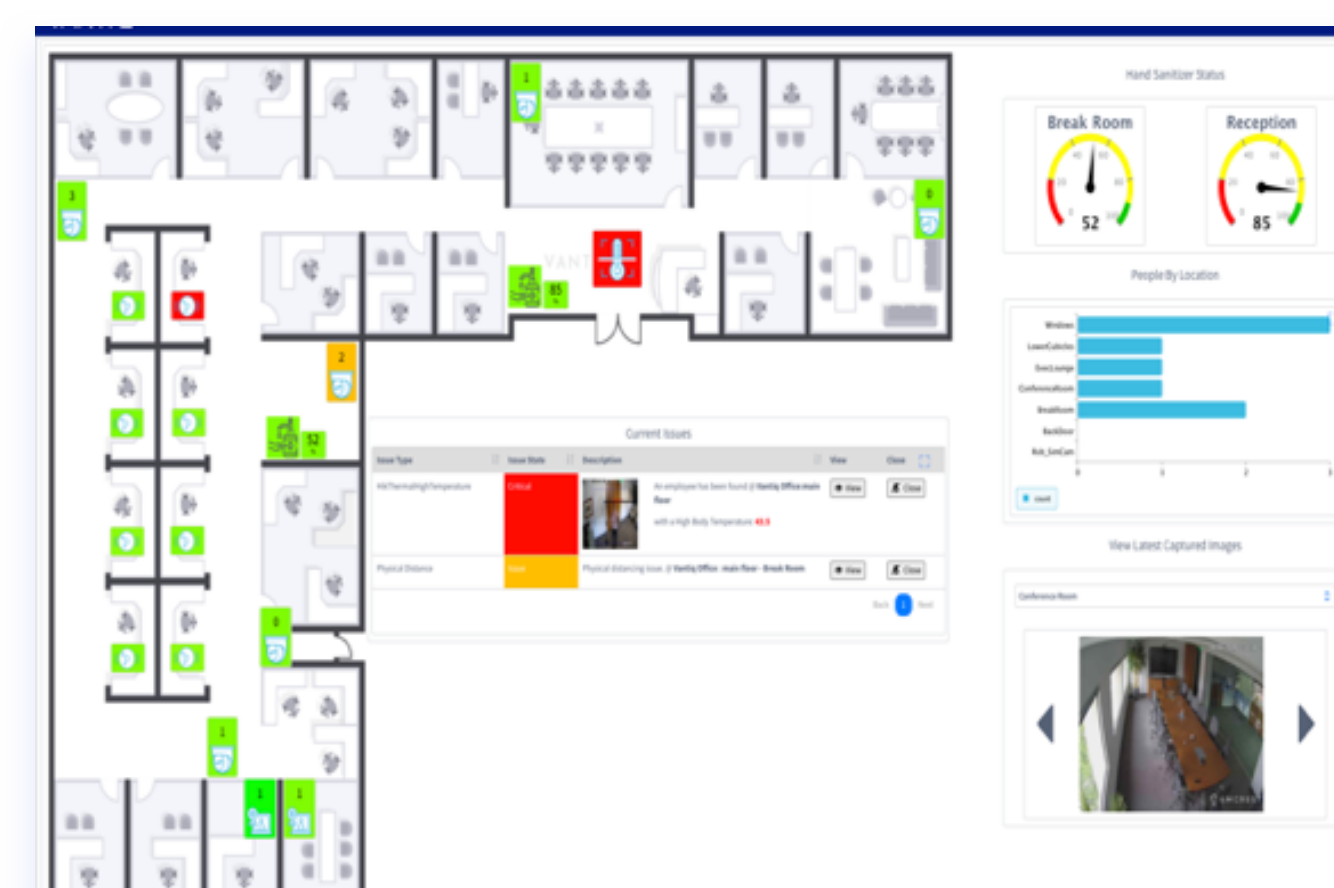
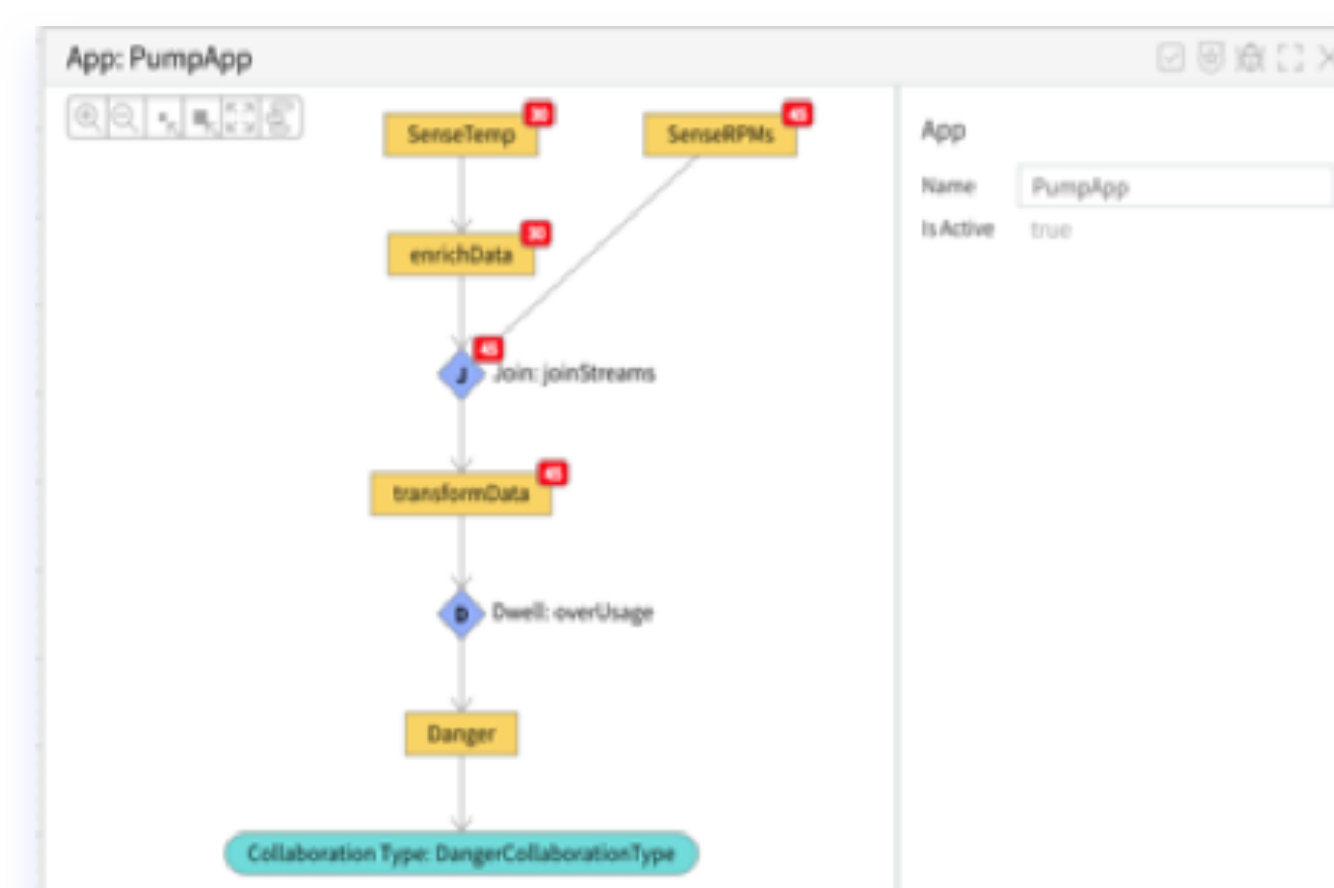
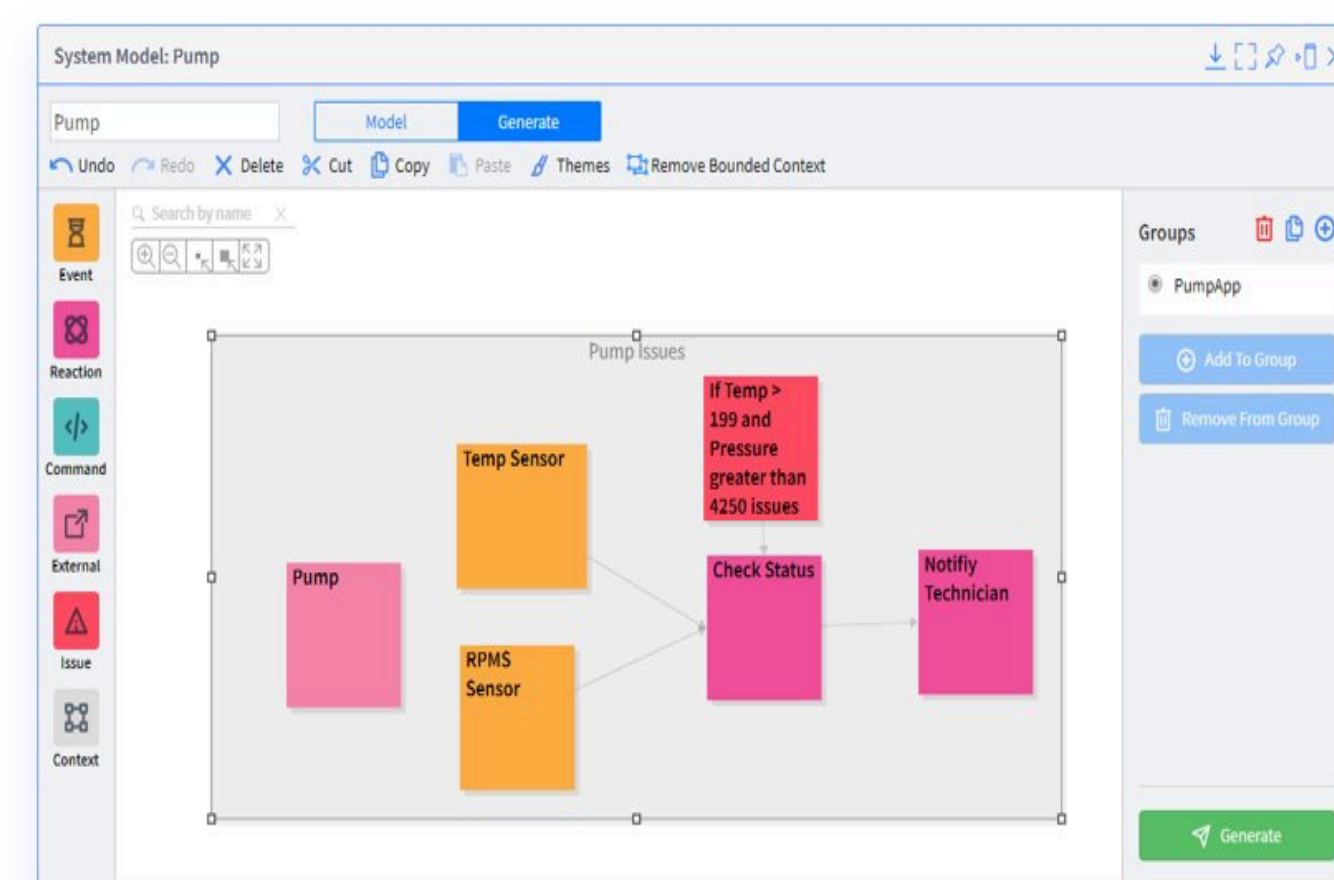
Public/Private Cloud, On-Premises and at the Edge, VantIQ applications can be distributed to any location.



## Use Cases

- **Asset Management and Tracking**
- **Environmental Monitoring**
- **Safety and Security**
- **Smart Building / City**
- **Smart Grid**
- **Connected Retail**
- **IoT Applications**
- **Healthcare and Biometrics**

## Platform Components



### System Modeler

Graphically construct a framework for your application. This framework is used by the VantIQ App Builder to build out the full application. Graphically construct the logic behind your application along with the interactions between people and systems.

### App Builder

Describe and automate the data ingestion and processing pipeline that drives event-driven applications. Quickly build and organize the rules and procedures of the application and visualize the core logic of the application.

### Client Builder

Rapidly create and deploy rich client interfaces for Mobile and Web applications using VantIQ Model/View/Controller (MVC)-based WYSIWYG editor.

### Deployment Manager

The Deployment Manager presents the developer with a graphical view in which to manage partitions, environments, and how VantIQ resources and application components are deployed.

# Begin your digital transformation journey and speak with a VantIQ Solutions Expert today!