Configure the AWS IoT SiteWise Connector on AWS IoT Greengrass to connect and collect data from factory machines using OPC-UA.

Configure Greengrass Connector for AWS Lambda functions and Modbus, MQTT, or HTTP traffic.

Configure rules within AWS IoT Core to trigger events based on MQTT topics for the Factory Machines.

In AWS IoT Analytics, set up a channel, pipeline and data store to analyze your data from the Factory Machines.

Use AWS IoT SiteWise to model and create assets that represent on-premises devices, equipment and processes, and ingest their data into AWS.

Create a custom web portal using SiteWise Monitor functionality to visualize factory data and industrial KPIs in near real-time, accessible with credentials set-up in AWS Single Sign-On.

Configure AWS IoT Events to monitor device events and to send event triggers.

Create AWS Lambda function to send mitigation command back to asset on certain events through the AWS IoT Core.

Configure AWS IoT Core to send command to Greengrass to execute mitigation action on asset.