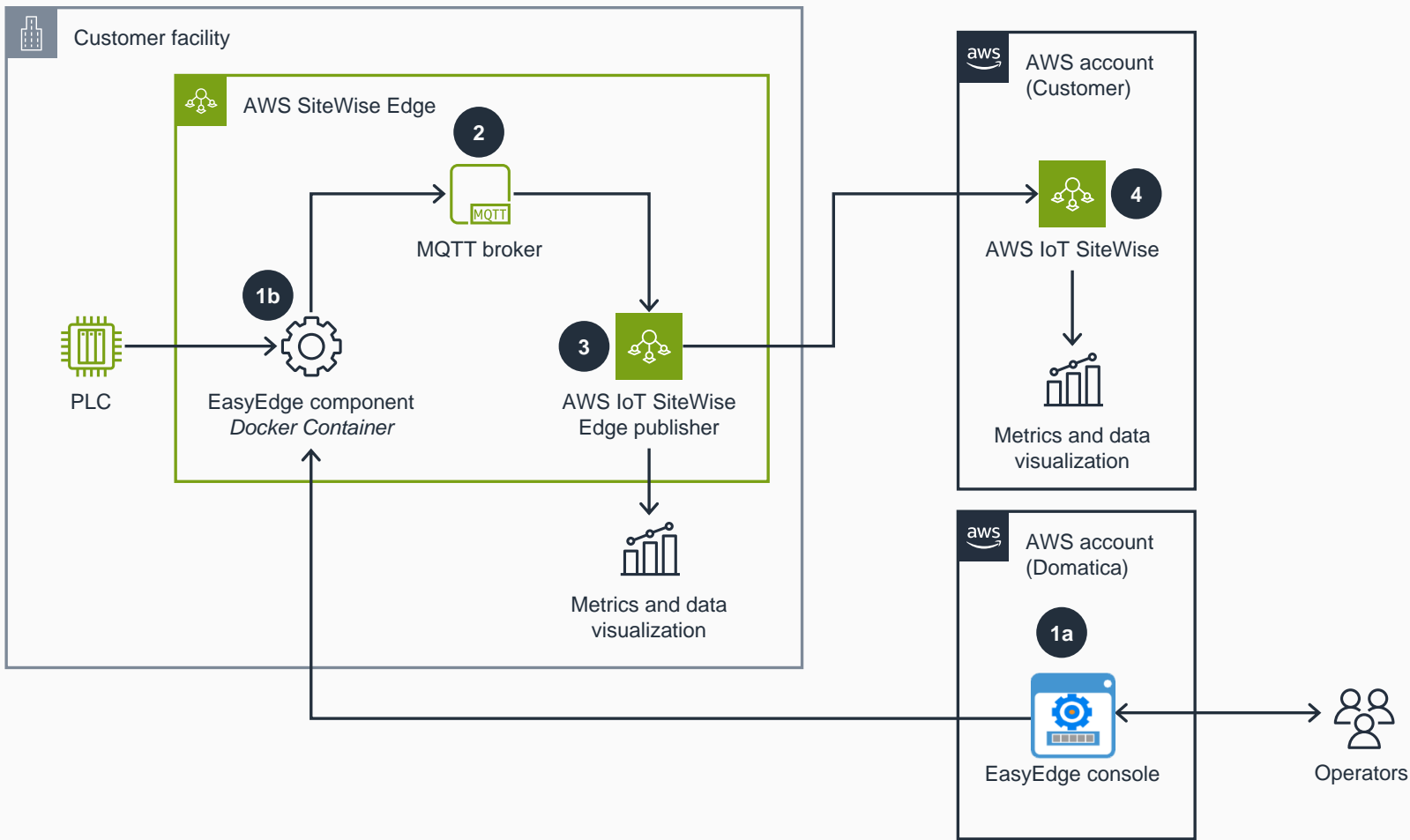


Guidance for Integrating an Industrial Data Fabric with Domatrica EasyEdge on AWS

This architecture diagram shows how to ingest near real-time data at scale from edge data sources into an IDF on AWS using Domatrica's EasyEdge.



- 1a Domatrica's EasyEdge enables industrial organizations to rapidly acquire and transmit factory data to leading industrial cloud platforms at scale.
- 1b With the EasyEdge console, users can add EasyEdge as a data source on their **AWS IoT SiteWise Edge** gateway by means of a Docker container. This enables users to configure the protocols, desired data flows, and data conditioning. **AWS IoT SiteWise Edge** then deploys the components.
- 2 After the configurations are deployed, the sensor data flows seamlessly to **AWS IoT SiteWise Edge** for local monitoring, storage, and access at the edge. EasyEdge collects data from programmable logic controllers (PLCs), and the data is published as MQTT messages to the MQTT broker running on **AWS IoT SiteWise Edge**.
- 3 The **AWS IoT SiteWise Edge** publisher component on **AWS IoT SiteWise Edge** gateway listens to all MQTT topics and then securely publishes data to **AWS IoT SiteWise** in the cloud. In case of network disruption, it also addresses local buffering, storing, and forwarding of the event to **AWS IoT SiteWise**. Users can create local applications using MQTT connectivity to visualize and monitor in real time at the edge to support decision making on the factory floor.
- 4 Published data gets correlated with corresponding assets and is populated at **AWS IoT SiteWise** in the cloud, where users can visualize it with **AWS IoT SiteWise Monitor** or **Amazon Managed Grafana**.