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

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

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

4. Using an IoT Rules Engine rule, get it into AWS IoT Analytics for additional insight on your data.

5. For other industrial data you want to process, you can use the AWS IoT Greengrass stream manager and publish to the AWS IoT Core.

6. Build a Docker image and add it to Amazon Elastic Container Registry (Amazon ECR).

7. In AWS IoT Analytics, create a Container Data set from the AWS IoT SiteWise Data store and link it to your Docker container.

8. From AWS IoT Analytics, create a new Jupyter Notebook for the data set created from AWS IoT SiteWise to create a Predictive Maintenance (PdM) Machine Learning (ML) Model.

9. Visualize your analysis using Amazon QuickSight on the AWS IoT Analytics data source.