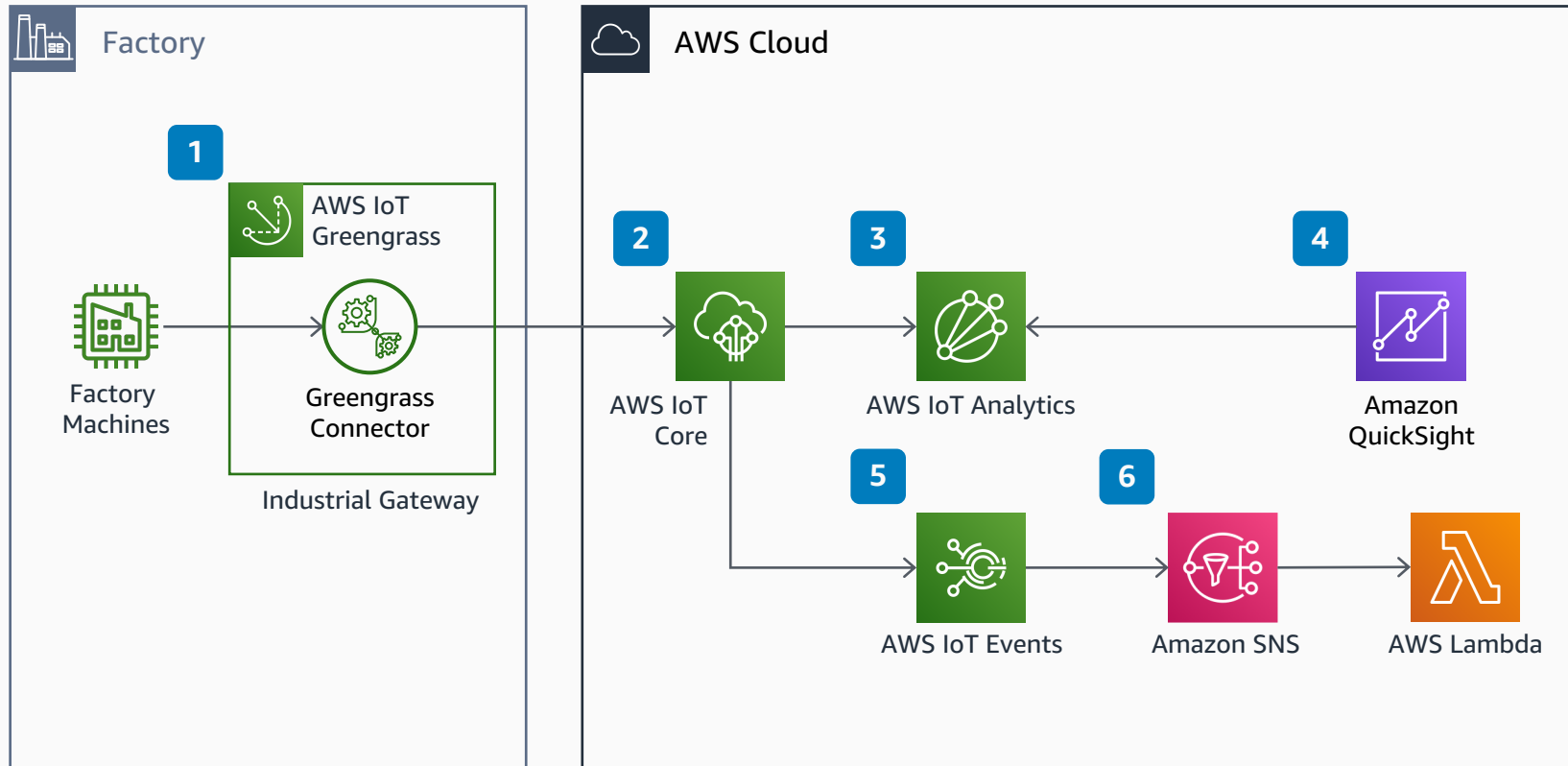


AWS Industrial

Asset Condition Monitoring Reference Architecture

This reference architecture shows an example of Asset Condition Monitoring using AWS IoT Analytics and AWS IoT Events.



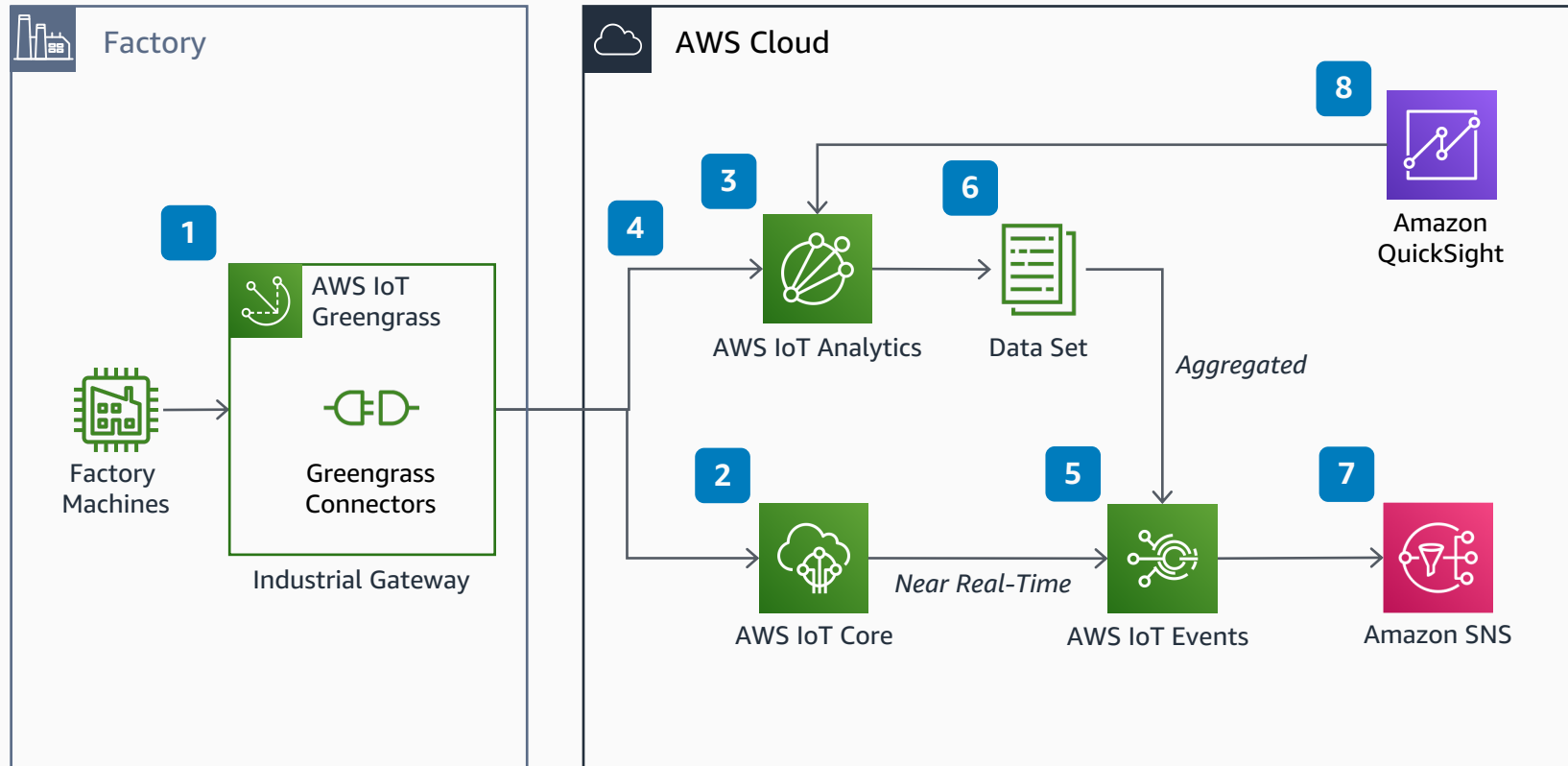
Description

- 1 Configure **AWS IoT Greengrass** using **Greengrass Connectors** to communicate with your Factory Machines.
- 2 Configure rules within **AWS IoT Core** to trigger events based on MQTT topics for the Factory Machines.
- 3 In **AWS IoT Analytics**, set up a **channel**, **pipeline**, and **data store** to analyze your data from the Factory Machines.
- 4 Visualize your analysis using **Amazon QuickSight** on the **AWS IoT Analytics** data source.
- 5 Configure **AWS IoT Events** to monitor device events and to send event triggers.
- 6 Create an **AWS Lambda** function to publish **Amazon SNS** messages based on input events and to send notifications.

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Asset Condition Monitoring Reference Architecture

This reference architecture shows an example of Asset Condition Monitoring using AWS IoT Analytics and AWS IoT Events.



Description

- 1** Configure **AWS IoT Greengrass** using **Greengrass Connectors** to communicate with Factory Machines.
- 2** Configure rules in **AWS IoT Core** to trigger **AWS IoT Events** as an action based on MQTT topics for the Factory Machines near real-time events.
- 3** In **AWS IoT Analytics**, set up a **channel**, **pipeline**, and **data store** to analyze your data from the Factory Machines.
- 4** Configure the **IoT Analytics Greengrass Connector** on **AWS IoT Greengrass** to send Factory data to **AWS IoT Analytics**.
- 5** Configure **AWS IoT Events** to monitor device events and send event triggers.
- 6** In **AWS IoT Analytics**, create a data set with a content delivery rule to send aggregated data to **AWS IoT Events**.
- 7** In **AWS IoT Events**, configure event actions to send **Amazon SNS** messages as required.
- 8** Visualize your factory machine analysis using **Amazon QuickSight** on the **AWS IoT Analytics** data source.