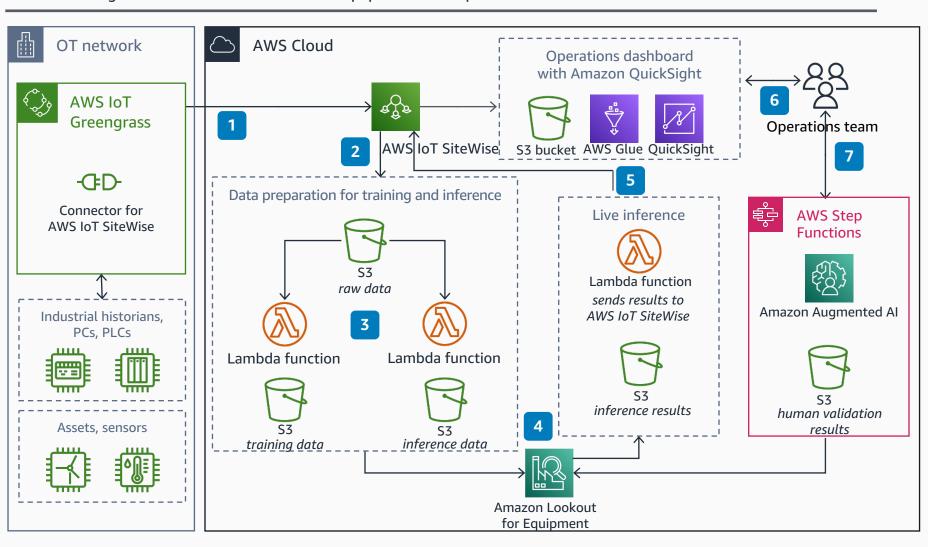
Discover Underperforming Industrial Assets

Notify operations teams of forecasted dips in equipment performance

Combine insights from Amazon Lookout for Equipment with operational tools in AWS IoT SiteWise.



- Telemetry from industrial assets is captured by historians, read by the AWS IoT SiteWise connector running on a local AWS IoT Greengrass core, and published to the cloud in AWS IoT SiteWise.
- Telemetry is exported to an Amazon
 Simple Storage Service (Amazon S3)
 bucket, where it is prepared for machine
 learning training and then live inferencing.
- Custom code deployed to an AWS Lambda function prepares the data to be read by Amazon Lookout for Equipment for training and inference.
- Asset performance models are trained per asset in Amazon Lookout for Equipment. Models are made available for batch inferencing using a scheduler.
- Combined with raw telemetry, batch inference results are stored as a new property in **AWS IoT SiteWise**.
- Using Amazon QuickSight on the combined exported data, the operations teams can triage underperforming assets in a dashboard.
- Operations teams perform human-in-theloop validation on alerts to improve model performance.