





Sii as one stop shop for Google MDE Platform

Machine Connectivity (MC Edge)	Edge Computing (MC Edge)	Cloud Computing (MDE)	Machine Learning and Data Analytics	Business Intelligence and Data Visualization
<p>More than 300 industrial protocols supported by the MC Edge component.</p>	<p>Key services required for delivery of majority of industrial use cases:</p> <ul style="list-style-type: none"> • Data Pipelines • Data Aggregation • Cloud Connectivity • Logic Execution • Integration with on-premises systems <ul style="list-style-type: none"> • Edge Data Analytics • Data Visualization on the Edge • ML Inference on the Edge 	<p>The key components of the Manufacturing Data Engine:</p> <ul style="list-style-type: none"> • Data Ingestion • Pre-defined data model • Pre-defined method of data stream and batch analytics <ul style="list-style-type: none"> • Fast and slow storage • Powerful, industrial use case specific configuration • Much more from GCP 	<p>Power of GCP Machine Learning at hand</p> <ul style="list-style-type: none"> • Vertex AI • AI Platform Pipelines • AI Platform Training <ul style="list-style-type: none"> • Generative AI • Data Science 	<p>Powerful pre-prepared dashboards dedicated to industrial use cases, based on Looker.</p> <ul style="list-style-type: none"> • Powerful Looker Platform with BigQuery data warehouse • Easy preparation of visualizations for industrial use cases such as OEE presentation, Machine Reliability Assurance, etc.
<p>Sii Skills: OT and Production Line Engineering</p>	<p>Sii Skills: Embedded Systems</p>	<p>Sii Skills: GCP and Cloud Computing</p>	<p>Sii Skills: Data & Analytics</p>	<p>Sii Skills: Data & Analytics, BI & Reporting</p>



Slow storage and batch processing/analytics

 Cloud storage

 Data proc

Orchestration


 Cloud Composer

Security

 Cloud IAM

Fast storage and real time processing/analytics

 Pub/Sub


 Dataflow

Orchestration


 MC Cloud

 Config Manager

Data Warehouse

 Big Query

ETL Overlay

 Cloud Data Fusion

Business intelligence and UI

 Looker

