Microsoft Azure

SIGHT MACHINE
Powering Digital Manufacturing

Sight Machine Manufacturing Analytics

From data chaos to business impact

GO FAST Opportunity >

What is Sight Machine?

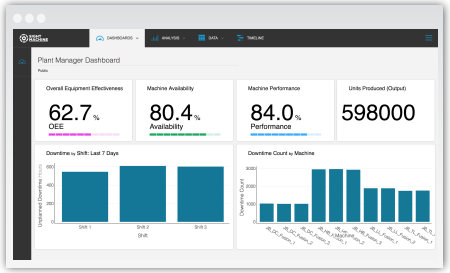
Sight Machine on Microsoft Azure is used by Global 500 manufacturers to make better, faster decisions about their operations. Sight Machine uses artificial intelligence and machine learning to deliver visibility into real-time performance, quality, and downtime.

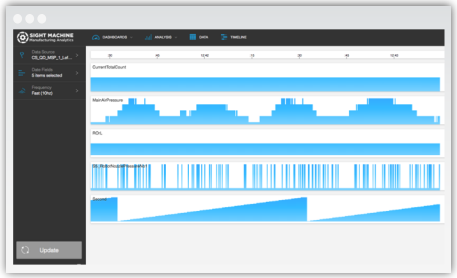
What is Sight Machine *GO FAST*?

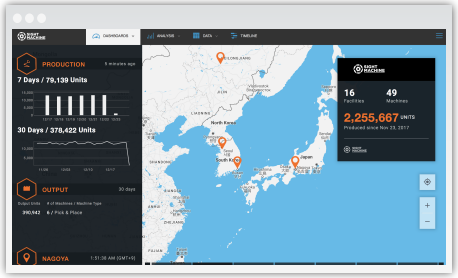
GO FAST provides an on-ramp for manufacturers to see their own machine and quality data in the Sight Machine Platform. The program allows manufacturers to quickly experience a new level of insight and action provided by the Sight Machine Platform and assess digital readiness.

What comes after *GO FAST?*

During the program you and your Strategic Account Leader will co-develop a plan to extend the Sight Machine Platform to additional sites.







GO FAST Engagement

- ✓ Discovery Interview and Platform demonstration
- ✓ Build GO FAST Customer Demo on Azure
- ✓ Findings Analysis and Presentation
- ✓ Digital Readiness Index Diagnosis, Report, and Scale Plan

GO FAST Outcomes

- ✓ Compare KPIs, metrics across enterprise
- ✓ Visualize supplier production
- ✓ Analyze product quality
- ✓ Control processes with strict tolerances

GO FAST Deliverables

- ✓ Quality and Part Data Models
- ✓ Digital Twin of Assets
- ✓ Part Traceability
- ✓ Quality Data Analysis
- ✓ Data Discovery Toolkit, including Data Visualization, SPC, and more

Requirements

- ✓ Serialized data 2+ asset types and part type
- ✓ Historian, Quality, MES/ERP data
- ✓ Duration: 90 days

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Data requirements for Sight Machine *GO FAST*

The *GO FAST* program is designed to provide manufacturers with a quick look at the their data in the Sight Machine Platform. To that end, there are certain data requirements that are required of participant in the program.

Data Categories

Sight Machine takes a data-first approach to solving your needs; which means the Sight Machine platform does not typically require any process changes for you to derive value.

Sight Machine will need to acquire data sets in the categories below and work with the client to better understand how value can be derived from the data:

- ✓ Machine sensor information
- ✓ Product information
- ✓ Downtime information
- ✓ Defect information
- ✓ Batch and Output Information

Data Formats

CSV or Excel:
.csv, .xls or .xlsx

- ✓ Machine-generated or generated via automation
- ✓ Good column headers without intermixing of headers or formats
- ✓ Tall Formats (mimics OPC UA) or Wide Formats (multiple tag values associated with a timestamp)

Process Map

A process map of the facility in question is a central piece to GO FAST. This shows the flow of materials from the start of the process through to its finished product.

Time-Series Requirements

It is common for data to come from different data sources and systems. Combining disparate data sources is a core strength of Sight Machine. For an effective demonstration, all of the data samples need to comprised of the same date ranges.

Additional Data Documentation

Customers should provide any additional information about line data, including:

- ✓ Dataset to Asset Mapping: Indicate how the datasets provided relate to the various assets on the line.
- ✓ Data Dictionary: Definitions for key columns in the datasets. This may be done through documentation or an initial call upon providing the data to Sight Machine.

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Are you ready for Sight Machine *GO FAST*?

The answers to questions below help Sight Machine determine whether a customer is ready for Sight Machine *GO FAST.* Please be ready to discuss these questions in detail when you meet with Sight Machine.

Qualification question	Yes	No	Don't Know
Is there an overarching digital transformation initiative with which this effort is associated?			
Is machine and quality data already connected and flowing into Azure Data Lake or another online data source? Will the customer allow live access to the data?			
Is there a process flow/process map available?			
Are the primary use-cases and available data sets known?			
Do we already access to sample data? What period of time will it cover? In what format will the data be provided?			
Do we know the data sources that will be used? How do these data sources relate to the various assets? (asset mapping)			
Is there a SME/process/automation engineer available to assist with any questions that may arise regarding the data or the process?			