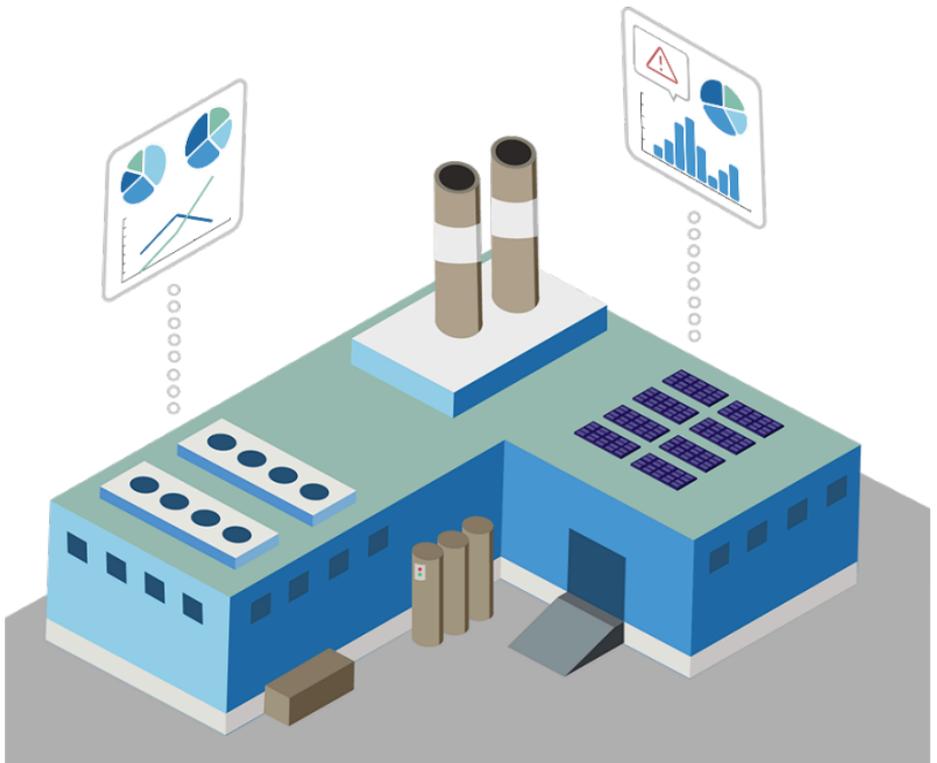




Harnessing the Superpower of Factory Data

Made possible with FactoryTwin



Implement in Weeks. Realize Double Digit KPI Benefits in Months.

Better Information



On-demand data integrity checks and cleansing



Build trust in operational data



Capture tribal knowledge with FactoryTwin data templates

Better Data Utilization



A single source of truth



Data Assistant for each factory function



Advanced predictive and prescriptive analytics

Better KPI Outcomes



Reduction in product cost



Improvement in on-time delivery



Optimized inventory

FactoryTwin's Recent Customers



G.S. PRECISION, INC.
since 1958



SOLESTRA
GROUP



Johnson Precision
Quality Machining • Excellence Since 1974

Customer Praise for FactoryTwin



"FactoryTwin has truly been a visualization of our business in a coordinated manner that has helped us improve nearly every metric we track."

-Ron Felix, President & CEO, Moeller Aerospace



"The biggest benefit immediately was that we're able to track daily production versus goals and really see what wasn't visible to us before, helping us make data-backed decisions."

-Eric Nolan, VP Operations, G-Force



"We are blown away by FactoryTwin's software—it's amazing how easily the operational information we need on a daily basis is available."

-Alex Johnson, Operations Manager, Freeman



"At G.S. Precision, we believe continuous improvement starts with a high intolerance for the current condition. Partnering with FactoryTwin helps us drive innovation, strengthen quality, and deliver greater customer success."

-James R. Callan, CEO, G.S. Precision



"In 6 Months, since we started using your planning & scheduling tool, the inventory turns have gone from 2.5 to 3.25."

- Jim Gibson, CEO, Precise Machining and Manufacturing



"Thanks to FactoryTwin's SI&OP solution, we significantly improved forecast accuracy and aligned capacity with demand, leading to a 30% increase in on-time delivery for our shop."

-Thomas Manning, Vice President of Operations

Integrate Any Number of Data Sources and Legacy Knowledge

Critical factory data is often stored in various formats and locations—ERP, MES, QMS, IoT, excel sheets, etc. Some data may not be formally recorded and is instead maintained in the minds and habits of staff. This tribal knowledge of senior associates is captured in our proprietary data templates.

FactoryTwin consolidates *all* data sources to model a “single source of truth”.



Integrate Multiple Sites

- ① Data from multiple ERP systems and sources is extracted and transformed into a digital twin
- ② A digital twin is hosted either on cloud or on-premise
- ③ Advanced algorithms analyze historic trends and predict future performance
- ④ Intuitive insights are displayed in our modules: Planning, Execution, FactoryValidator®, DigitalCI™, and Cost Reduction



Filter Insights By a Single Site or Site Group

Select Factory Site ▾

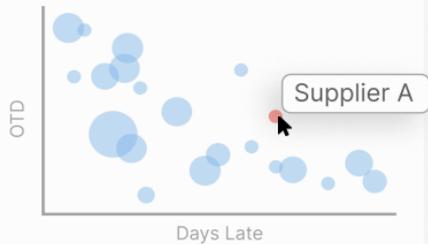
- Houston, TX
- Fort Worth, TX
- Phoenix, AZ

Inventory Aging

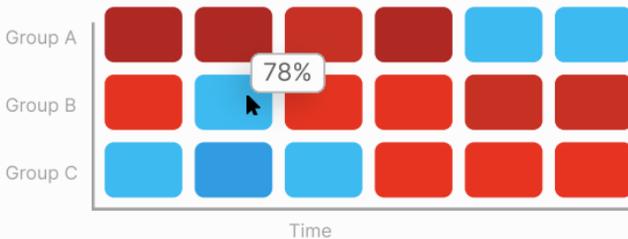


- 0-6 Mo
- 6-12 Mo
- 12-24 Mo
- 24-36 Mo
- 36-48 Mo
- 48+ Mo

Supplier Scorecard



Machine & Operator Utilization Heatmap



Modular Implementation of FactoryTwin

FactoryValidator®

This module evaluates a factory's various sources of data and flags missing or inconsistent data points. 3-4 weeks to implement.

DigitalCI™

A deep analysis of historic production data and identification of improvement opportunities including cost reduction.

Sales & Operations Planning

Strengthens and automates a factory's SLOP process and long term planning with capacity management, supplier risk mitigation, and more

Sales & Operations Execution

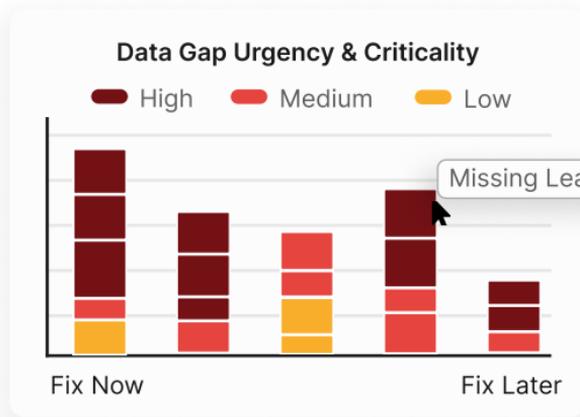
Complete visibility of WIP position, predicted bottlenecks, and predicted delivery status for near-term deliverables

Rapid Scenario Analysis

Build complex what-if scenarios and compare multiple scenarios in minutes if not seconds

Automated Data Integrity Checks On Demand

FactoryValidator® automates the data diagnostic process to help users improve their data integrity and improve trust in data. This tool identifies gaps in your data and organizes them by their criticality and urgency in order to improve production planning and execution.



Data Issues

Gap Type	Line Item	Part	Due Date
Std Time Missing ^	Line Item 1	Part A	MM/DD/YYYY
Supplier LT Missing -	Line Item 2	Part B	MM/DD/YYYY
BOM Missing ✓	Line Item 3	Part A	MM/DD/YYYY

Rapid Scenario Analysis

Run Complex What-If Scenarios in Minutes or Less

FactoryTwin has a list of factory “knobs” that allow users to build complex what-if scenarios. Change the structure of shifts, modify supplier delivery dates, outsource operations, cross-train operators, add demand, and more.

Demand	Jobs	CI Projects	Operators	Stations	Misc.
ADD	ADD	OEE	ADD	ADD	PRIORITIZE
MODIFY	MODIFY	REDUCE SETUP	RESCHEDULE	DOWNTIME	MODIFY SHIFT
REMOVE	REMOVE	LOT SIZE	MODIFY SKILLS	RELOCATE	MODIFY DELIVERY
			REMOVE	REMOVE	APPLY HOLD



Compare scenario results against your factory's current state. This helps decision makers determine whether carrying out a scenario will have a desirable affect. Rapid Scenario Analysis gives users the ability to run experiments fast so they can take wiser and quicker actions.

Examples of Unique FactoryTwin Capabilities

Dynamic Scheduling

Adapt to unpredictable changes in operator, machine, and purchased part availability



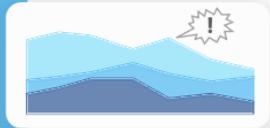
Value Stream Mapping

On-demand value stream map for any manufactured part



Kaizen & Cost Reduction

Automated identification of kaizen and cost reduction projects with our DigitalCI™ module



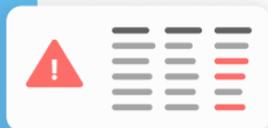
Expiration Tracking

Track the expiration of shelf-life-limited items



Fixture Calibration Alerts

Instead of reacting to fixture calibrations when due, be proactive with early alert flags



User Friendly “Data Assistants” For Each Factory Function

Sample Functionalities

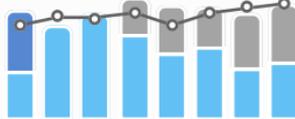
Planner & Schedulers

Dynamic Scheduling



Sales

Demand Management



Production Supervisor

Line of Balance



Buyers

Spend Analytics



Inventory Manager

Inventory Buckets



Engineering & Quality

BOM



Algorithms Funded by the National Science Foundation



The National Science Foundation has recognized FactoryTwin's technology for helping improve American manufacturers' competitiveness.

FactoryTwin has won multiple Small Business Innovation Research awards from NSF. SBIR is a competitive federal program in which less than 2% of applying companies are awarded.



Recent Thought Leadership



Feb '25 - Minnesota State Advanced Manufacturing Center of Excellence

“Harnessing Your Factory Data for a Competitive Advantage”

Sep '24 - International Manufacturing Technology Show

“Practical and Affordable Factory Digital Twins for SMEs”

Apr '24 - Investment Casting Institute Business & Leadership Development Conference

“Unlocking Productivity at SME Factories with Digital Twin”

Apr '23 - Aviation Week A&D Raw Materials and Manufacturing Conference

Panel Moderator

May '22 - Aviation Week A&D Manufacturing Conference

“Your Factory Data is Your Superpower”



Contact Us

Want to get started? Request a demo on our website or connect with us on LinkedIn



www.factory-twin.com



contact@factory-twin.com



[@factorytwin](https://www.linkedin.com/company/factorytwin)



Scan Me!





Simplify Factories. Unlock Productivity