

Terrantic GPS is revolutionizing operations management for Growers-Packers-Shippers with our Digital Twin 2.0



For Growers

Digitize your farms to predict your yield, understand market prices, maximize sales revenues, plan and optimize your workforce, maximize shelf life through tracking bins throughout the process, and meet US FDA's traceability requirements - all through a simple and intuitive user interface.

For Packers

Digitize the pack-house, connect and streamline incoming and outgoing shipments, maximize shelf life, optimize operations, and maximize profits through data driven decision-making. Meet US-FDA's traceability requirements with QR codes and RFID integrations into the platform.



For Shippers

Use Digital Twin to optimize scheduling, routing, temperature controls for different produce to maximize shelf life and optimize returns. Monitor your product at all points along the supply chain and get granular real-time data on its health and other attributes. Terrantic GPS enables your operations to adapt dynamically to changes along your supply chain and keep on top of all your operations.



Powerful Benefits for the Growers-Packers-Shippers Industry

Digitize Operations

Do More with Less

Digital Packhouse

Optimize Workforce

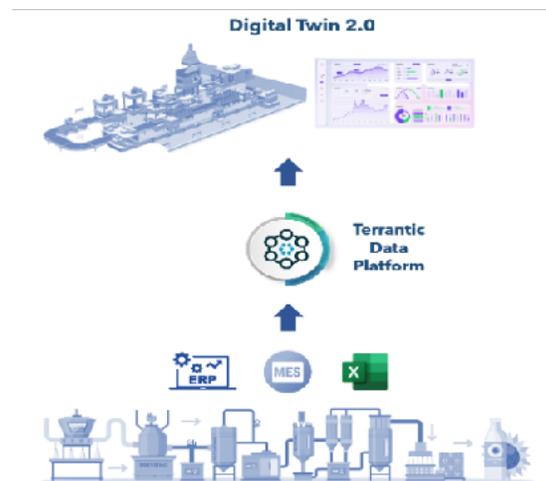
Maximize Shelf-life

E2E Traceability

Connecting your Data

Terrantic builds industrial-grade software that empowers organizations to unify their operational data in real time. Our breakthrough **Digital Twin 2.0 platform** eliminates data silo problems and provides a unified data foundation. Manufacturing companies have on-demand access to data when and how it's needed.

Existing data systems were not designed to handle the real-time, messy data produced by modern machines and IT / OT systems. Terrantic's solutions help turn data into a decisive competitive advantage, all at the speed of today's business.



Giving You the Power to Leverage Your Data in Real-Time

Terrantic's mission is to help provide the right insights at the right time to enable improvements in all aspects of your business – from production planning and supply chain management to manufacturing, quality control, and traceability. Our cloud-based **Digital Twin 2.0 platform** enables you to be on top of your operations in real-time and prevent problems before they occur.

For example, a global packhorse and distributor can instantly see the impact of a change order or a produce quality issue by having a unified view of their own and supplier data. Real-time analytics and predictions can help users make instantaneous decisions to optimize routing, improve shelf-life, or prevent quality problems before they occur.

How Digital Twin 2.0 can revolutionize your operations...

Adaptive Planning: Manage any number of lines and products without Excel chaos and enable real-time decisions with a single view of all your ERP, CRM, Warehouse, and operator data.

Benchmark and Improve: Collect data across operations from your workforce digitally. Benchmark productivity, and continuously improve performance to prevent problems before they occur.

Shelf-life Management: Ensures optimal product freshness by packing and routing the right bins / lots to the right customers based on lead time, compliance criteria and other factors.

Traceability: Create an unprecedented connection between data sources to ensure end-to-end traceability and bi-directional genealogy throughout the product and data ecosystem.



Growers, Packers, and Shippers today face a very different challenge than their peers of the previous generation. While the previous generations lacked data from different sources, today's operators are struggling with so much data that they often do not know where to start. Industrial data (from farm, packhouse, and supply chains) today is often broken apart in silos and inaccessible in a ready manner when most needed for critical decisions. At the same time the willingness to access, share, and digest data is growing across the food manufacturing sector.

The fundamental technology to enable such transformations at scale is now available. Working at any scale it can enable operators of any size to gather information, to understand the insights, get a real picture of operations, and actually adapt and execute dynamically with a competitive edge.

Terrantic Digital Twin 2.0 is the foundation for the transformational change in growing, packing, and shipping operations.



DataOps is orchestrating people, processes, and technology to securely provide trusted, understandable, and ready-to-use data to all who require it using a scalable and repeatable approach. In an industrial environment, DataOps enables collaboration among data stakeholders throughout the organization, including control and automation professionals, process and manufacturing operations, product designers, quality assurance, maintenance, data scientists, and business analysts. -  International Society of Automation

IBM defines DataOps as the orchestration of people, process, and technology to deliver trusted, high-quality data to data citizens fast. The practice is focused on enabling collaboration across an organization to drive agility, speed, and new data initiatives at scale. Using the power of automation, DataOps is designed to solve challenges associated with inefficiencies in accessing, preparing, integrating and making data available. 

Terrantic DT 2.0® is a state of the art **Industrial Data-Ops platform** powering data, AI, and ML workflows providing users a trusted and scalable data foundation for their multiple applications at speed and scale.

90%

Decrease in time spent finding information

Improvement in Decision making time

40%

3 - 10X

Improvement in Team Productivity with Information and Insights



Data in Context

A self-learning data model with ML and AI driven contextualization creates relationships between disparate data such as ERP, orders, MES, IoT data, other logs, and PID/ CAD models.



Intuitive Visualizations

Data is made usable through intuitive visualizations combining real-world visuals with enhanced information. Imagine walking through your facility with metrics available for every system.



Trust in Data

Data can only generate value if it has a lineage and genealogy for users to engender trust in context. Pre-built rules and advanced logic capabilities deliver trust as imagined.



Scalable Architecture

Open standards with easy integrations for a wide suite of tools and highly reliant and scalable backend infrastructure enable speed and scale.



Any type of data

Integrate, contextualize, and visualize data from a wide spectrum e.g. Robotics to enable monitoring, computer vision for easily translating analog signals, and operator input where required to augment context.



Real-time Access

Combine live IoT, OT, and IT data to create powerful models and hybrid simulations to optimize performance and quality.

Powerful Benefits for Digital Visionaries

- ◆ Deliver complete organizational operations visibility
- ◆ Empower users and work staff with trustable data on demand
- ◆ Combine your organizational knowledge with Terrantic's proven domain talent
- ◆ Empower users to improve operations with democratized access to critical data

