

Teradata Vantage™ Manufacturing Data Model

Integrated Data and Analytics

Today's integrated data and analytics environment provides for decision support within the organization. Analytics is the key use case for the integrated data products.

The types of data analysis required will determine the level of data integration, and corresponding effort, required to deliver results and value. Moving beyond descriptive analysis to exploratory, inferential, or predictive analysis increases the value to the organization but also the size, complexity, length, and expense of an integrated data implementation.

Teradata Vantage, our powerful analytics platform, helps an enterprise cope with these challenges

Vantage Industry Data Models (iDMs), which exist within Teradata Vantage, our powerful analytics platform, help an enterprise cope with these challenges. Each Vantage iDM provides an accelerator for integrated data solution planning, design, and implementation.

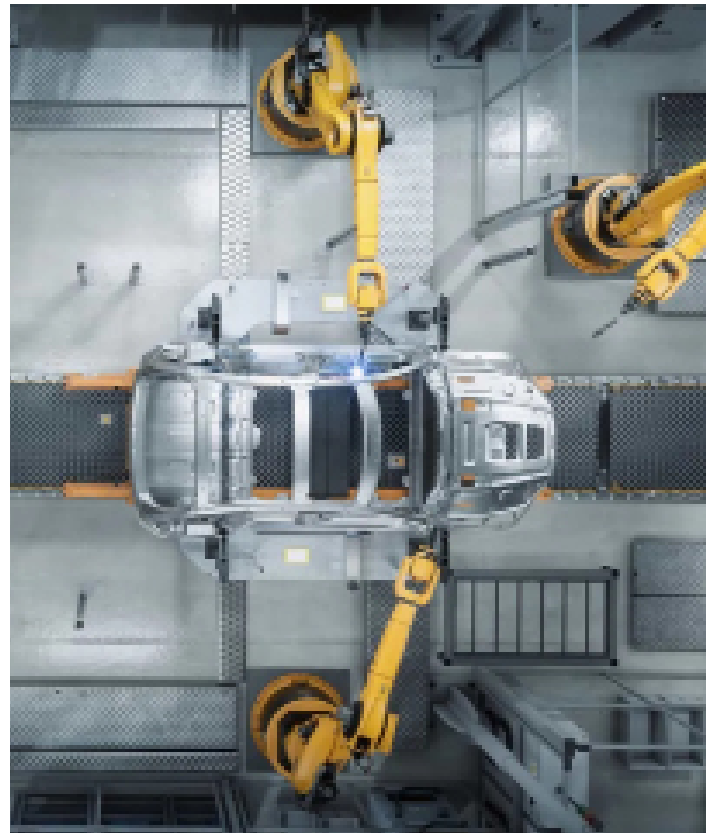
These mature iDMs (in development with client input since 1994) provide a critical communication tool to align business and IT. Comprehensive documentation with best practice modeling standards, conventions, and techniques provide structure and standardization toward reduced development time. First cut physical data models and DDL assist implementation.

Vantage iDMs cross-functional integrated view of the organization allows business and IT planners to think big in their vision for the goals of the data products – while also starting small in selecting manageable areas upon which to focus.

Key Business Questions

The day-to-day demands of manufacturing operations can bring you and your business a wide array of challenges. The key business questions the Vantage Manufacturing Data Model can help answer cut across every facet of your operations, including:

- Production
- Forecasting
- Procurement
- Logistics
- Inventory Management
- Environmental, Social, and Governance



Strategic and Tactical Analysis

The Vantage Manufacturing Data Model (MFGDM) provides the capability to drive strategic and tactical analysis from a single, integrated view of your business. It also brings you additional built-in benefits such as:

- **Enhanced Competitive Advantage**

The Vantage MFGDM helps you gain insight into how every aspect of your business is performing by sophisticated modeling of relationships between departments. That is vital information you can use to your competitive advantage.

- **Reduced Development Time**

The data model saves you valuable data products' development time, as well as considerable human and financial resources. And that means faster time to market and faster ROI.

- **Added Investment Protection**

The Vantage MFGDM also protects your investment by using proven modeling methodologies to avoid the common—and expensive—pitfalls inherent in building data products.

- **Increased Flexibility**

It is flexible. So, it is easily adapted and extended as your business grows and changes or as new subject areas, entities, or sets of attributes arise. It makes it easy to add enhancements and new applications without rearchitecting your data.

- **International Adaptability**

The Vantage MFGDM is set up to deal with the geography of the entire world, not just the U.S. We also designed it to handle all types of global currencies. Alignment with international standards is also a focus.

About Teradata

At Teradata, we believe that people thrive when empowered with trusted information. We offer the most complete cloud analytics and data platform for AI. By delivering harmonized data and Trusted AI, we enable more confident decision-making, unlock faster innovation, and drive the impactful business results organizations need most.

[See how at Teradata.com.](https://www.teradata.com)