

## Continuously Align Product Definition to PLM Without File Export

Product definition is governed in PLM, but the digital thread breaks at file export, where access across the enterprise depends on distributed files.

That model introduces configuration drift, duplicated technical data, and loss of control.

**Vertex Sync for PLM continuously synchronizes authoritative product definition from PLM into the Vertex governance-preserving 3D access layer. Eliminating file-based distribution while preserving digital thread integrity.**

Product definition remains continuously aligned to PLM configuration, without creating or distributing derivative files.

### Continuous Alignment to PLM

- Synchronizes assemblies, structures, and metadata from PLM
- Reflects engineering changes as they occur
- Ensures downstream access always matches PLM configuration

### Eliminate Derivative File Lifecycles

- No STEP, JT, or neutral format exports required
- No parallel file management processes
- No version reconciliation across systems

### Maintain Digital Thread Integrity

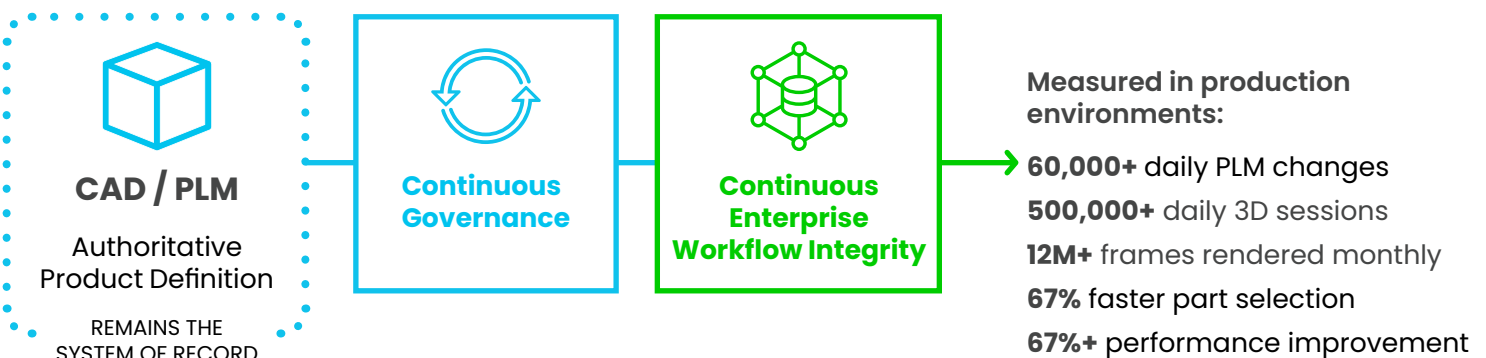
- Single authoritative product definition
- No configuration drift between teams or systems
- No duplication outside governed environments

### Eliminate Data Movement and File Distribution

- Product data remains in PLM systems of record
- Updates are synchronized—not distributed
- Access is provided without transferring geometry files

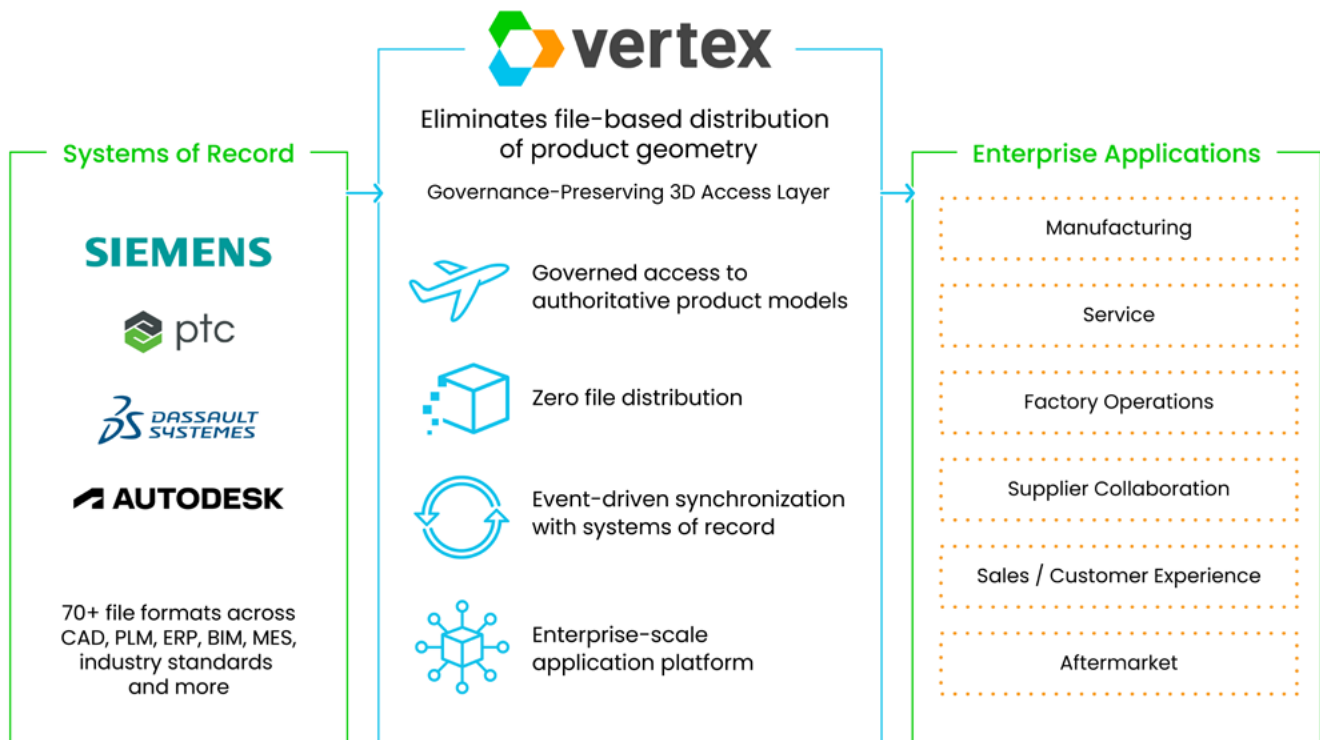
**Continuous synchronization replaces file-based distribution.**

## Proven at Enterprise Scale in Production Environments



# How Vertex Sync for PLM Works

Vertex Sync for PLM connects PLM systems to the Vertex governed 3D access layer. Ensuring authoritative product definition remains continuously aligned to PLM, without generating or distributing derivative files



## Core Synchronization Capabilities

Vertex Sync for PLM operates across four core synchronization capabilities:

### Event-Driven Change Processing

- Captures PLM changes as they occur
- Processes updates across assemblies and structures
- Scales to high-volume engineering change environments

### Configuration Integrity

- Preserves PLM configuration states
- Eliminates divergence between source and access environments
- Supports auditability and traceability

### Structure + Metadata Synchronization

- Maintains full product structure alignment
- Synchronizes metadata, attributes, and relationships
- Ensures completeness of product definition in access layer

### Platform Integration Layer

- Integrates with PLM systems (Teamcenter, Windchill, 3DEXPERIENCE, etc.)
- Extends into the Vertex platform via APIs
- Enables downstream applications without custom pipelines

**Request a demo to see how Vertex extends PLM governance in your environment—without file export**

