



Improving Engineering Productivity through Smart, Connected Data

What is SWISS?

SWISS is an interoperable engineering data platform that reduces the cost, time, and risk of using internal engineering documents and industry standards in static formats (like PDF). SWISS enables “documents as digital data” throughout your operation, and across the supply chain.

Why is SWISS Needed?

Traditional model-based enterprise initiatives focus on geometry, dimensions and tolerances – the 3D models of parts. They don’t address non-geometric information, communicated through free text on drawing notes and in documents created within the enterprise and by standards bodies. These documents contain critical data: part, material and process specifications, work instructions, test plans, and more.

Locked within the free text notes of CAD models, and in formats like PDF, MS Word or paper, traditional documents:

- Need human interpretation and extensive manual effort to use and reuse
- Turn internal engineering documents into data silos that are disconnected from their authoritative sources
- Require error-prone copying, summarization, and retyping

These deficiencies lead to higher costs, unnecessary risk throughout the enterprise, and a significant slowdown in project lifecycles.

What are the Benefits?

SWISS digital models expand the integrated view of engineering requirements to non-3D data, transforming static engineering documents into smart, connected and change-aware assets within the enterprise PLM system, and linking them to other internal and external digital models. Every concept in the knowledge graph knows its meaning, its status, and its relationship to other data.

- No one works from out-of-date versions.
- No one wastes time searching for related documents or concepts.
- No one must guess the operational impact of a change to any document.

Actionable intelligence is conveyed throughout the enterprise and supply chain to help engineers do their work faster, with fewer errors, and less risk.

Enterprises that transform their engineering product and process specifications to SWISS gain significant benefits in nearly every stage of the project lifecycle:

- **Improved time-to-market**
- **Increased engineering productivity**
- **Reduced duplication of work**
- **Higher quality and fewer errors**
- **Faster engineering time to knowledge**



INTEROPERABLE



OBJECT-CENTRIC



CHANGE-AWARE



API-READY



INTELLIGENTLY
AUTOMATED

To learn how SWISS can reduce your engineering cost and improve outcomes, contact us

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