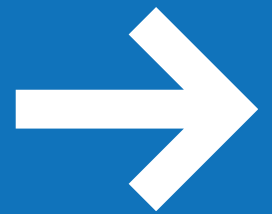


Build single authoritative source of truth for material data

Stop Material Data Drift



01



Material data drift uncovered

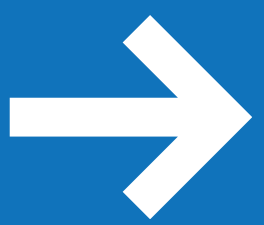
When CAD and simulation models fall out of synch with managed material records, teams risk inaccurate product decisions, broken traceability, and compliance failures.

CAD says: Density = 2.70 g/cc

Simulation says: Density = 2.72 g/cc

Material database says: Something entirely different

The business impact: These silent discrepancies directly undermine engineering decisions. Manual data entry introduces data drift, skewed test results, and compliance vulnerabilities - all with zero digital traceability.



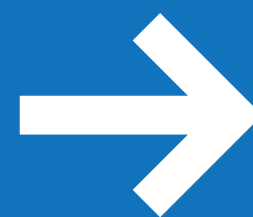
02

Key barriers to realizing full potential



Here are a few vulnerable points based on what we observe:

- **Broken Digital Connectivity:** Lacking link between CAD/CAE tools and the central material database forces manual lookups
- **Human Error & Data Drift:** Manual entry causes typos, bad units, and untracked changes
- **No Audit Trail, Compliance & Sustainability Blindspots:** Disconnected workflows hide material revision history
- **Siloed Engineering Decisions:** Misaligned CAD/CAE assumptions result in inaccurate simulations and costly late-stage redesigns



03

What if your CAD objects linked directly to your materials source of truth?

Imagine accurate material data directly in CAD - zero manual entry.

- **Single Source of Truth:** one master record, referenced everywhere
- **Zero Re-Keying:** assigned once in CAD, automatically ready for simulation
- **Full Traceability:** every part links straight back to its original Granta record
- **Compliance Ready:** build-in audit trails for compliance and structural analysis





04

Still reconciling material properties by hand between PLM, CAD & CAE?

Disconnected material data causes parameter drift, lost traceability, and costly rework.

The inensia Granta Connector for SolidWorks lets engineers search, assign, and validate Ansys Granta material records directly inside SolidWorks. You get direct access to your material single source of truth, zero manual entry or unit conversion errors, and complete traceability from design to simulation.

Comment below or DM us for a quick 15-minute demo.