

Material Intelligence for 3DEXPERIENCE

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Agenda

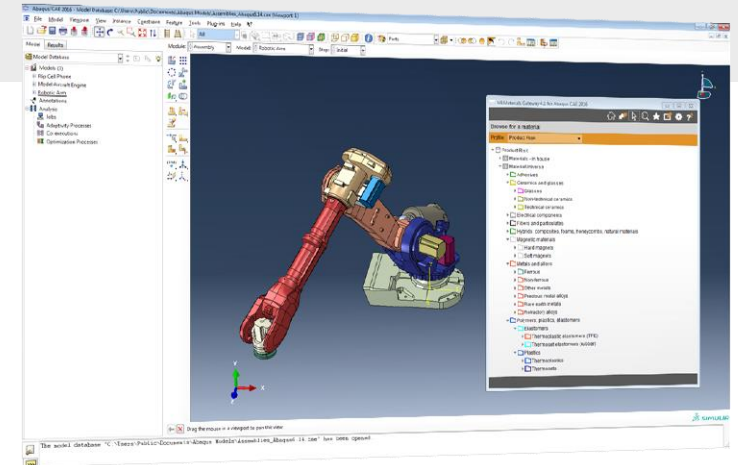
Introduction

The challenge: Materials information for product engineering

The solution: GRANTA MI + 3DEXPERIENCE

Questions and Discussion

MI: Materials Gateway for Abaqus/CAE and CATIA V5



New! Support for the 3DEXPERIENCE platform





Materials Information Management for Product Engineering (PLM, CAD, and CAE)

Materials information can be complex data

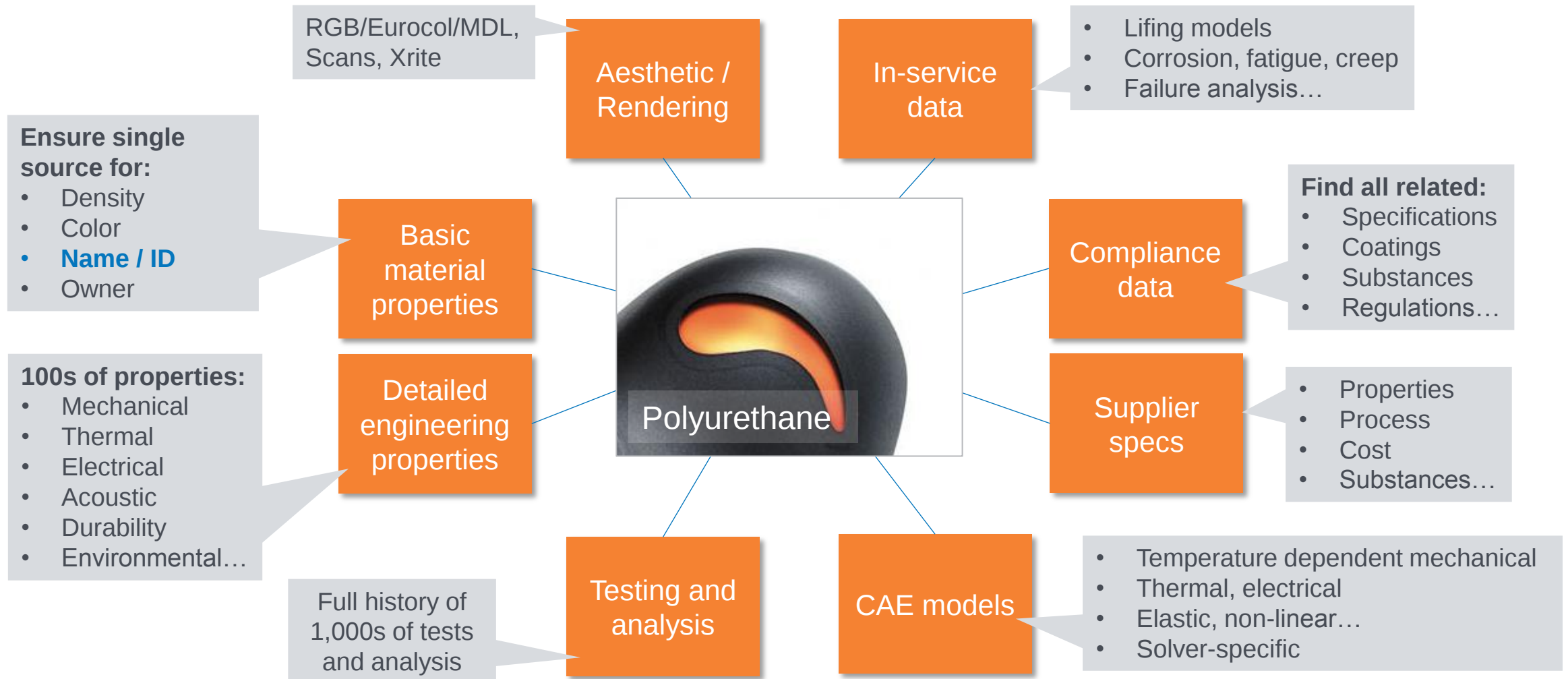
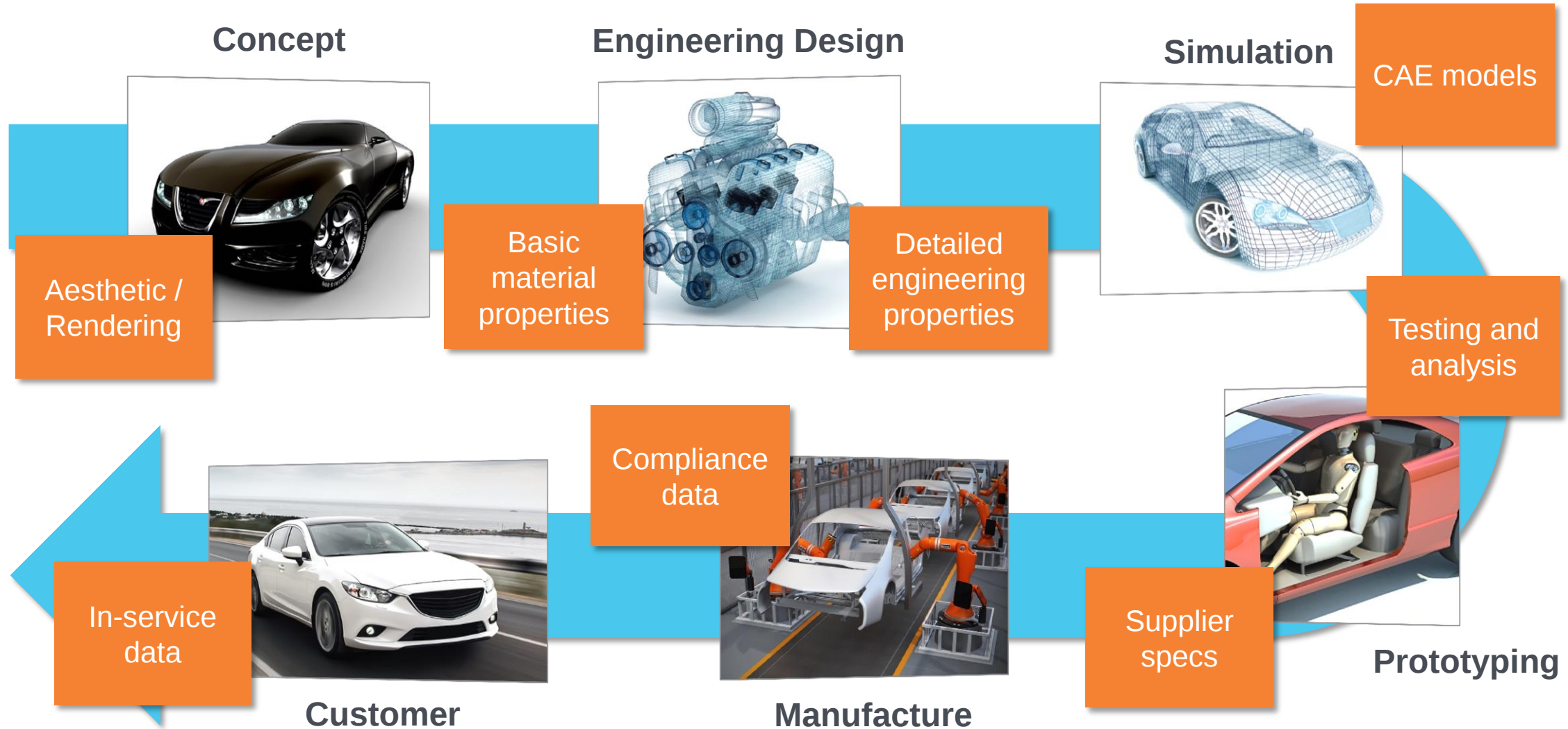


Image Chris Lefteri

Materials information throughout product engineering

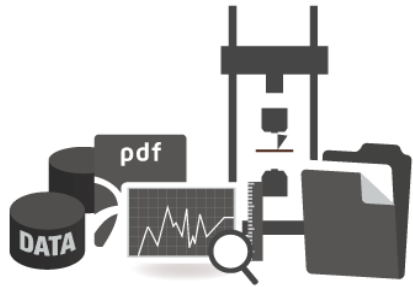


Simulation image: Shutterstock
Other images: Adobe Stock Photography

The solution

**GRANTA MI +
3DEXPERIENCE**

Introducing GRANTA MI



Proprietary materials information

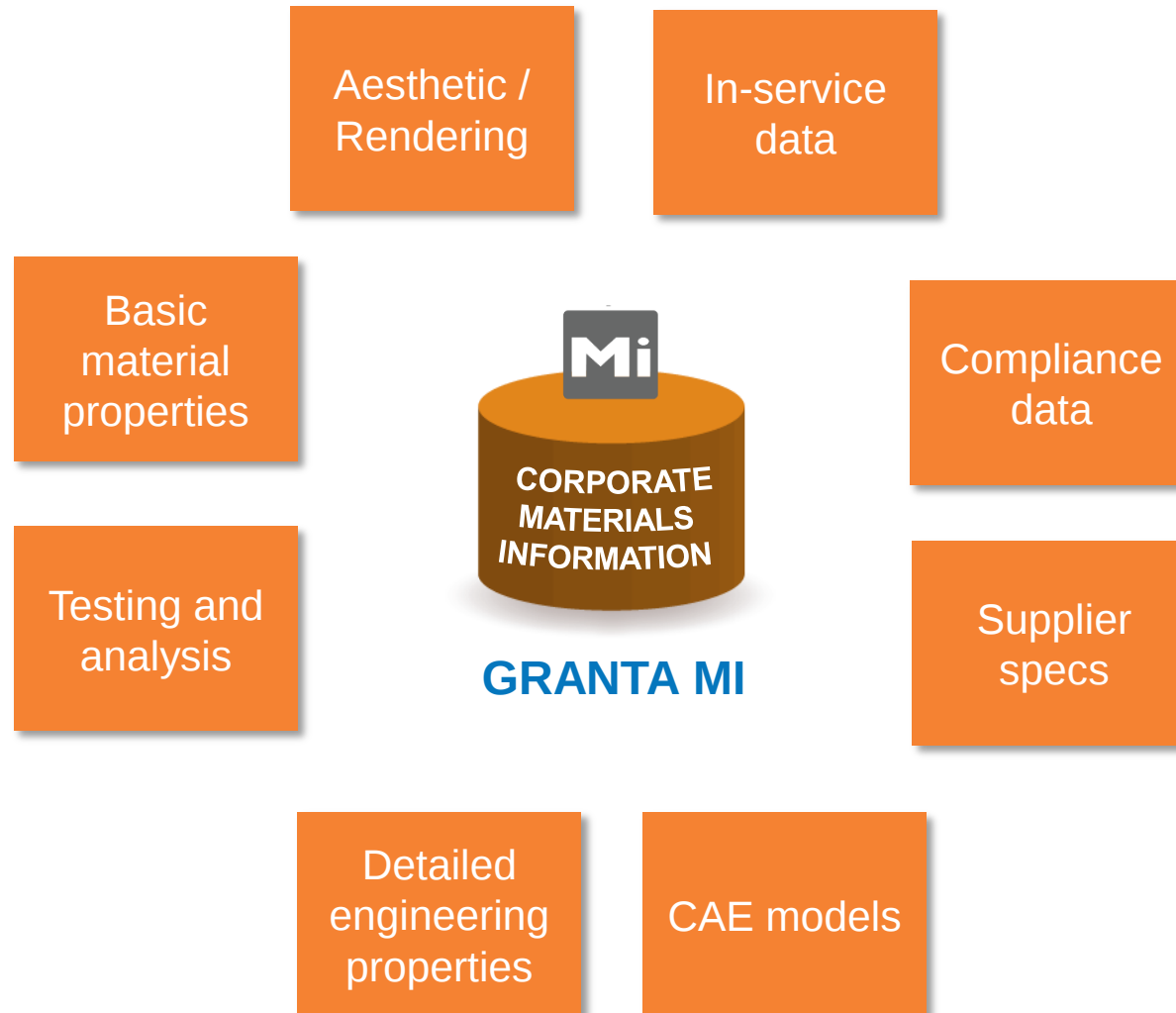
Test data, Machine data, Material cards



A comprehensive library of material reference information:

Metals, plastics, composites...

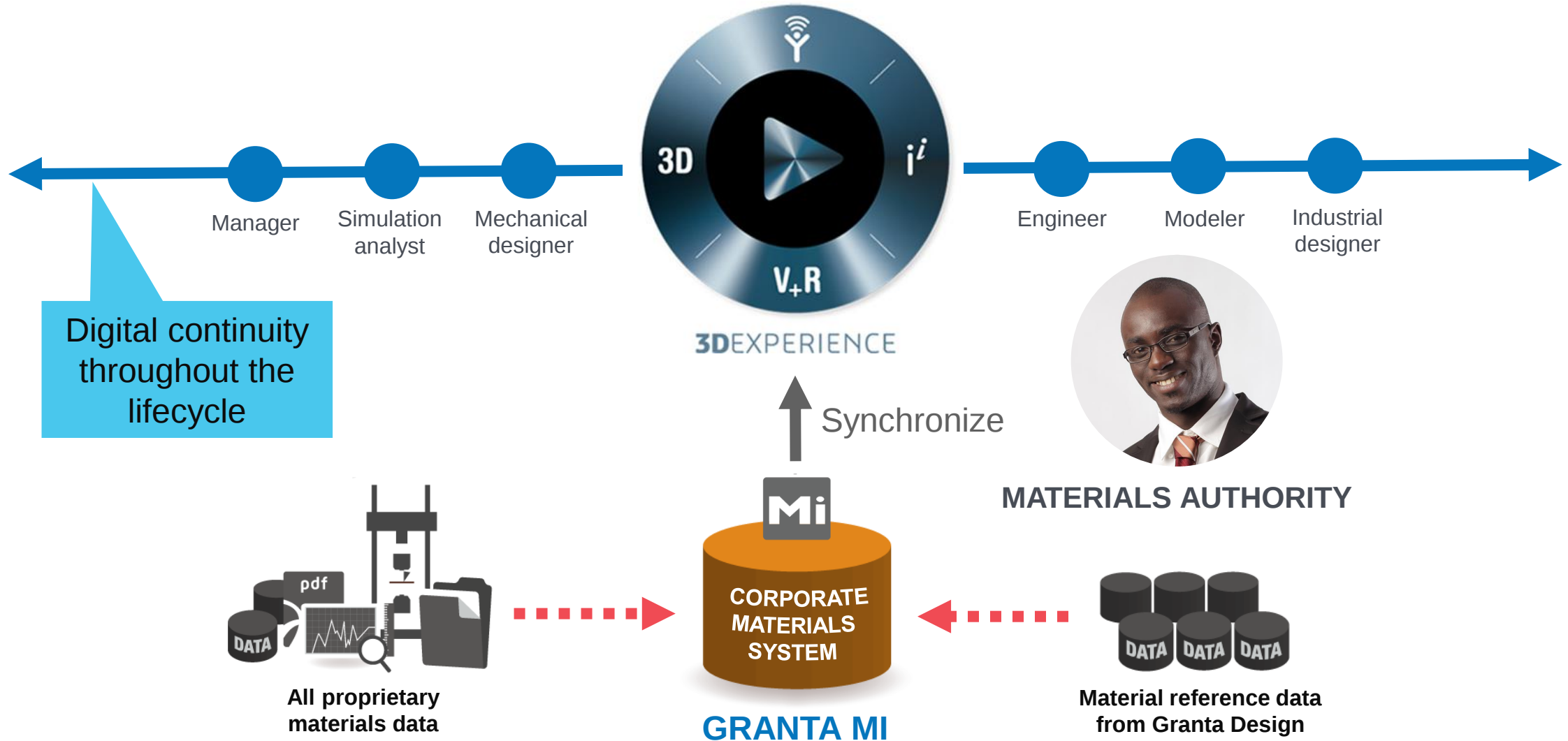
MMPDS, StahIDat, CAMPUS, QED etc



Features include:

- Specialist materials data structures
- Tools to manage the materials data lifecycle
- Full traceability
- Access and change control, workflow

GRANTA MI + 3DEXPERIENCE



What GRANTA have delivered

MI:3DEXPERIENCE v1.0

- Focused on the **3DEXPERIENCE Designer** and **Simulation** roles
- Synchronize approved materials from GRANTA MI to **3DEXPERIENCE**
- Transfer information to **core materials** and **simulation domain behaviours**



MATERIALS AUTHORITY



SIMULATION ANALYST

Synchronizing corporate materials data with the **3DEXPERIENCE®** platform

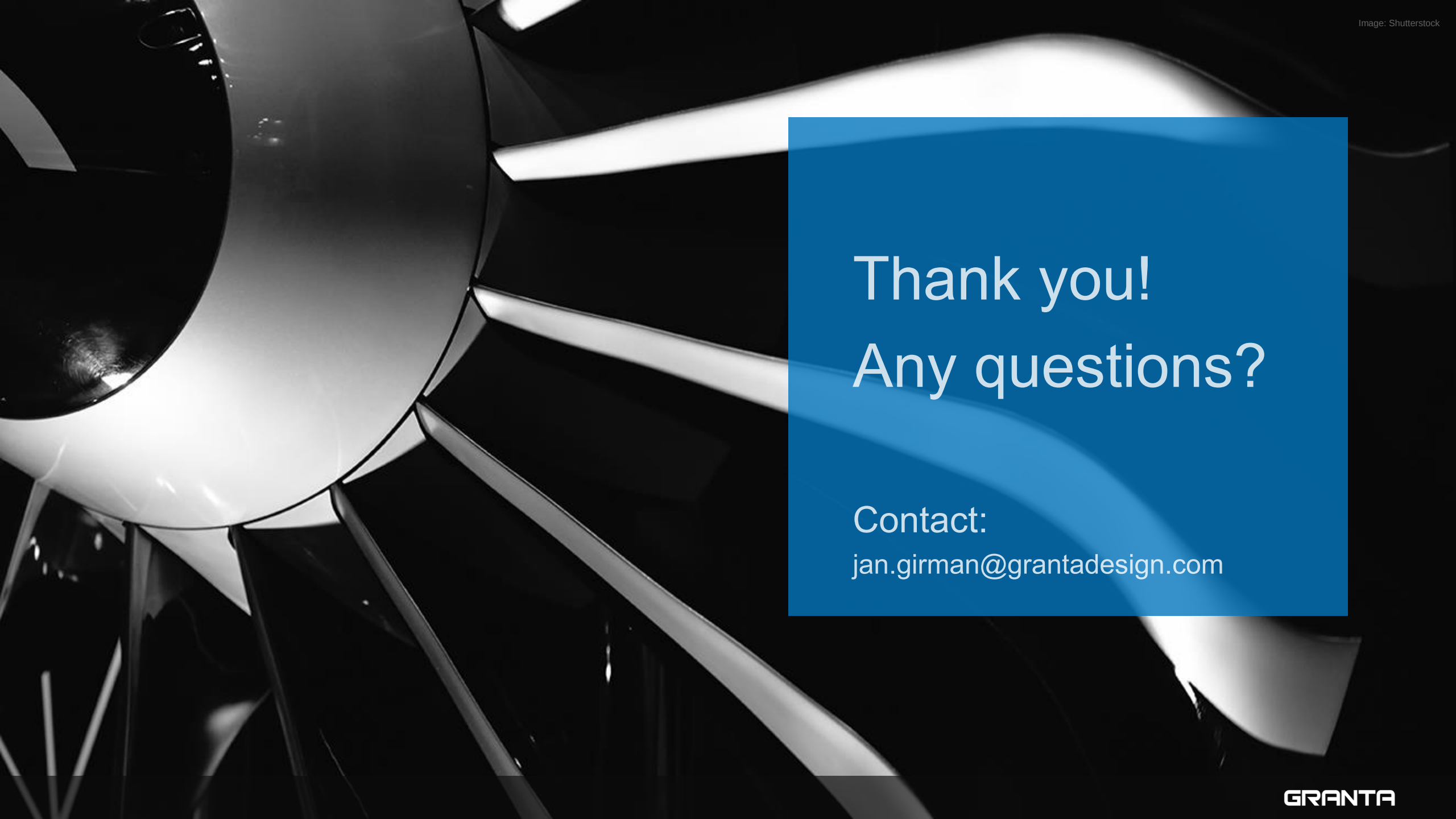
What has been delivered

MI:3DEXPERIENCE v1.0

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Future

- Granta/DS joint **roadmap**
- Short-term:
 - A **3DDashboard** widget to allow users to browse/search materials in GRANTA MI
 - Ability to view extended GRANTA MI datasheets



Thank you!
Any questions?

Contact:

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A typical Test-to-Design workflow in GRANTA MI

