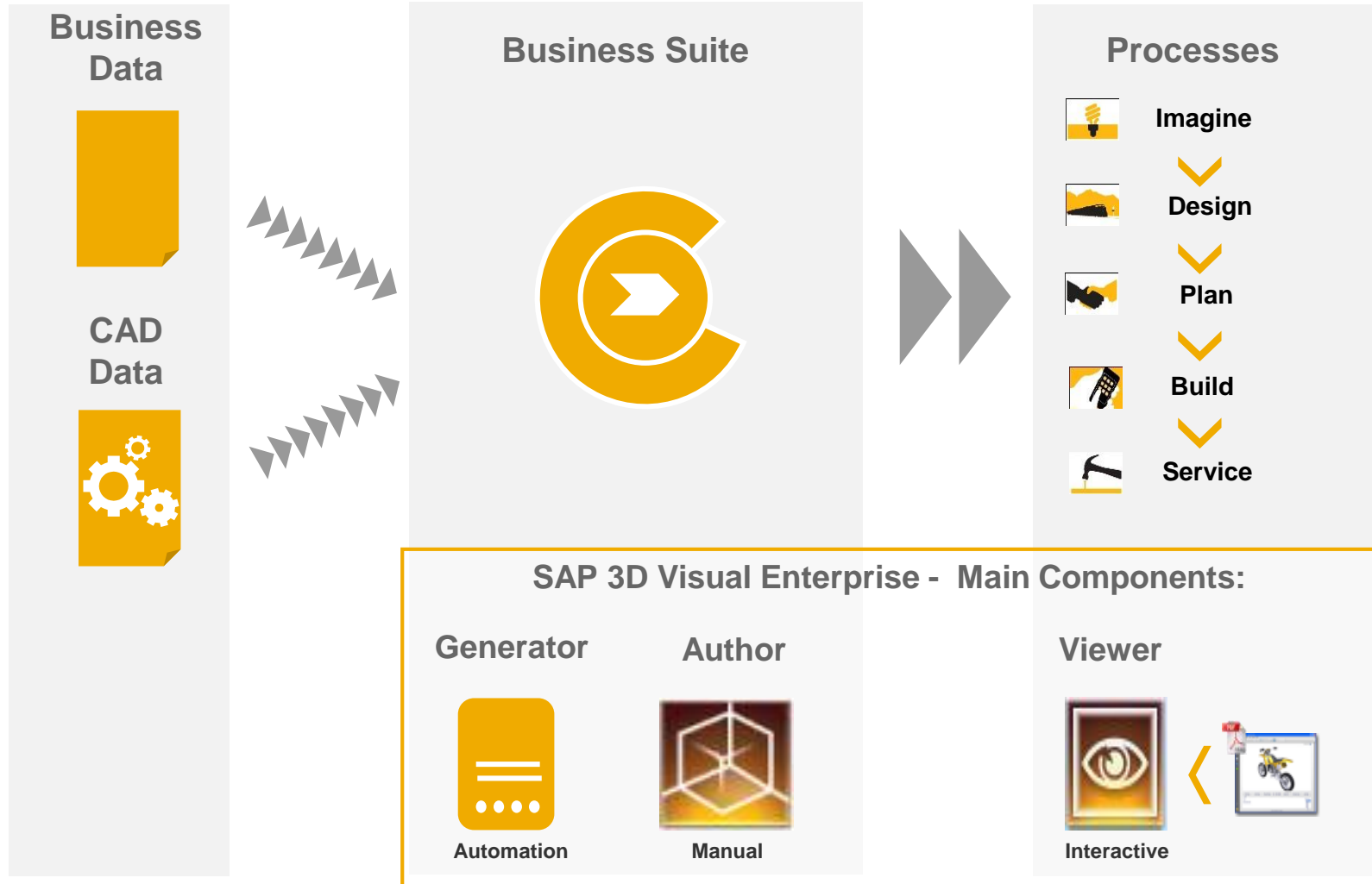# VE Solution Overview

Idea to Performance VE Process Suite – Deep Dive

- SAP 3D Visual Enterprise Generator

- SAP 3D Visual Enterprise Author

- SAP 3D Visual Enterprise Viewer
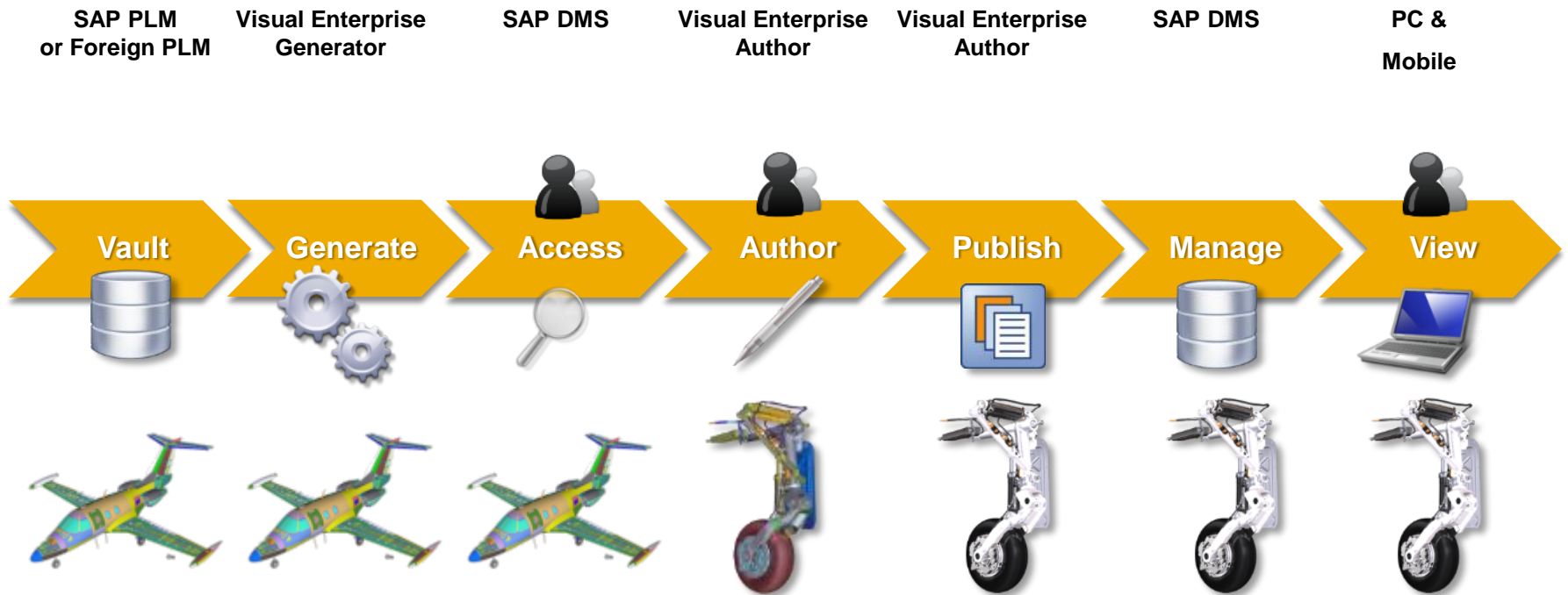
- SAP 3D Visual Enterprise Planner

SAP®

3D Visualization Integration
Enable the visual enterprise with "SAP 3D Visual Enterprise"!

Business Data

CAD Data

Business Suite

Processes

Imagine

Design

Plan

Build

Service

SAP 3D Visual Enterprise - Main Components:

Generator

Author

Viewer

Automation

Manual

Interactive

SAP Visual Enterprise Foundation
Integrated Workflow

SAP PLM or Foreign PLM	Visual Enterprise Generator	SAP DMS	Visual Enterprise Author	Visual Enterprise Author	SAP DMS	PC & Mobile
Vault	**Generate**	**Access**	**Author**	**Publish**	**Manage**	**View**

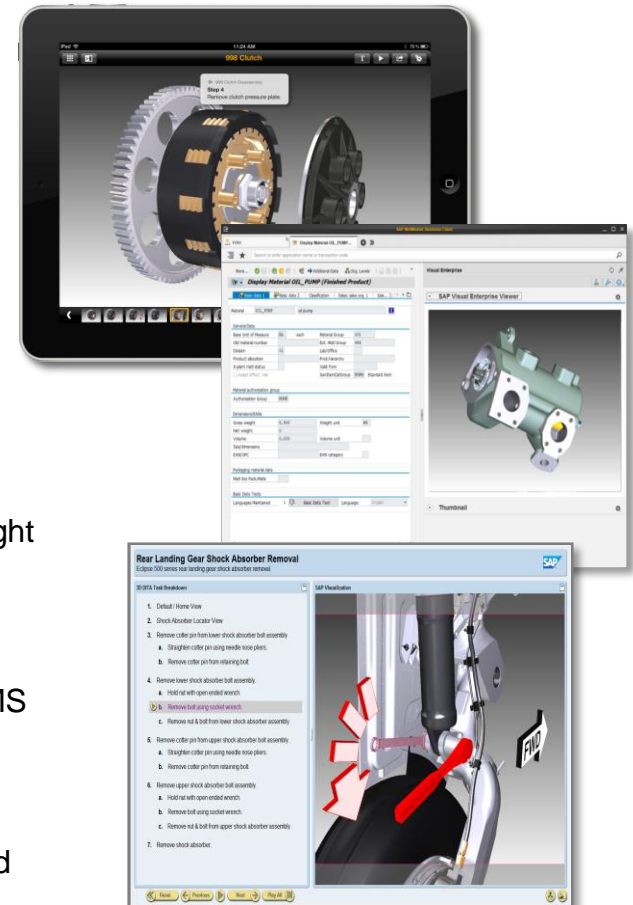# SAP 3D Visual Enterprise - Product Suite descriptions

SAP Visual Enterprise Solutions combine visual product and plant information with business content, this provides an unprecedented combination of traditional business information with fully interactive 3D visuals
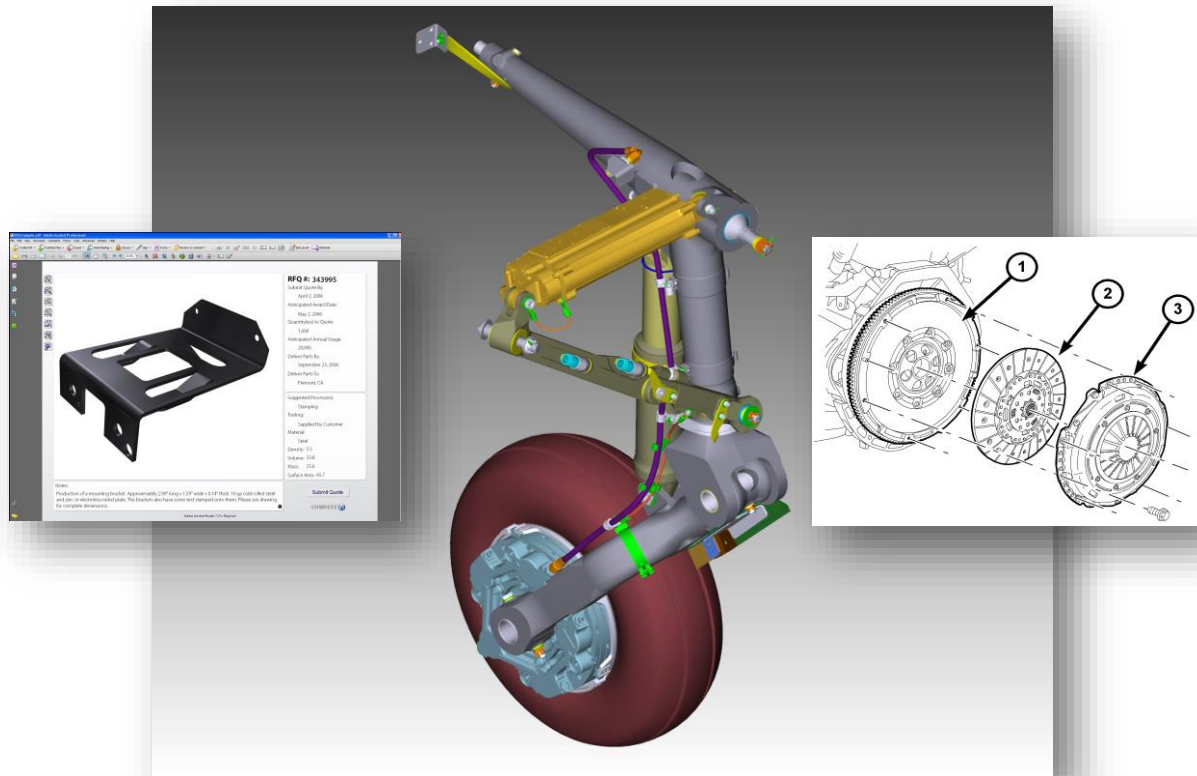
Key capabilities

- **SAP Visual Enterprise Viewer (VEV)** Interactive Viewing
  - Powerful, easy-to-use and free-of-charge

- **SAP Visual Enterprise Author (VEA)** powerful content creation tool

- **SAP Visual Manufacturing Planner** provides an easy to use tool for visually restructuring BOMs

- **SAP Visual Enterprise Generator (VEG)** is a server solution that automates:
  - The publishing of 3D computer-aided design (CAD) files into a lightweight format
  - Integrates with external data sources and destinations; consumes and combines graphical data with textual information
  - Publishes graphics, videos, and documents with optional storage in DMS

Benefits

- › Enables better and faster decision making.
- › Improves productivity and process efficiency by providing visual navigation and query of product information and graphical animation of procedures

SAP Visual Enterprise Generator: Publishing Engine
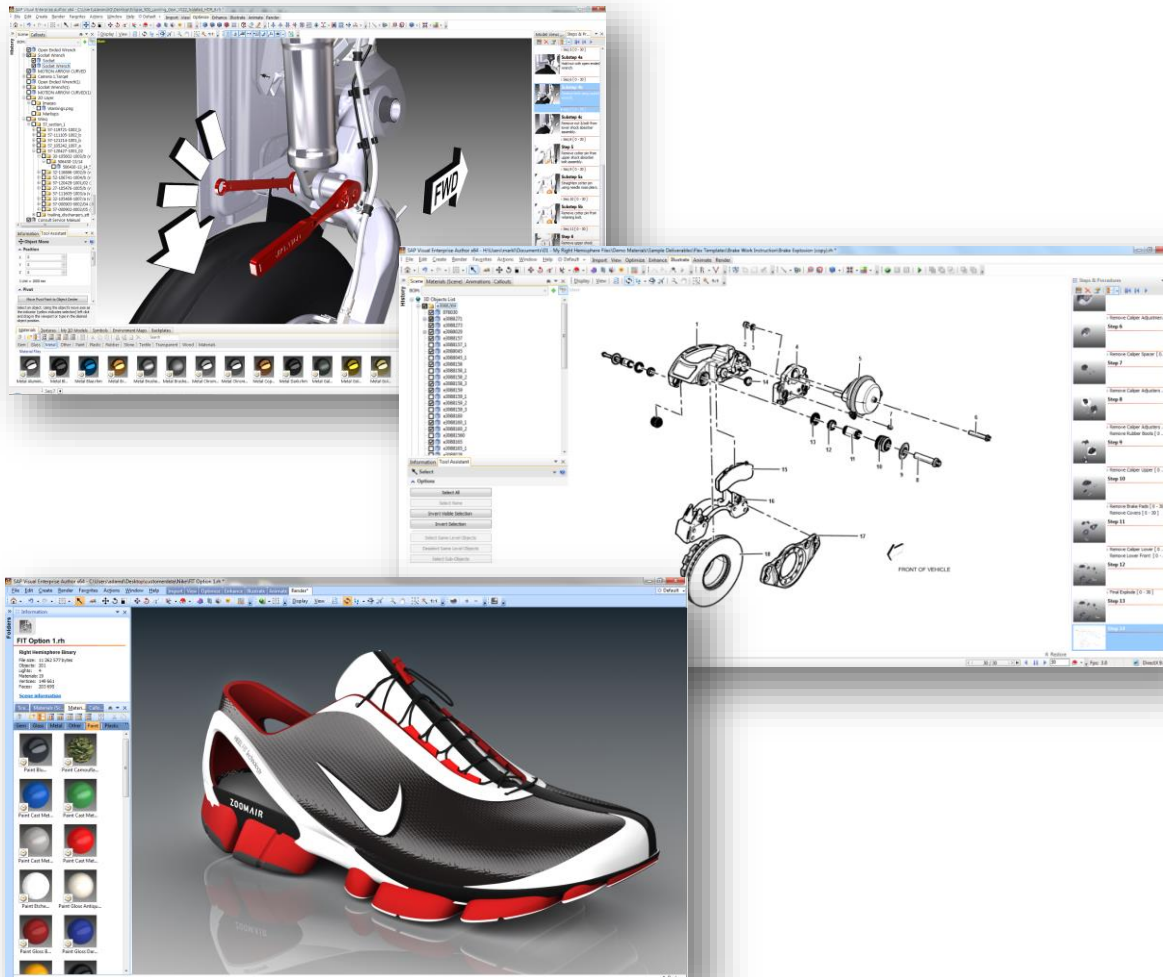

SAP Visual Enterprise GENERATOR

- CAD Translation
- Ultra Lightweight File Generation
- Graphics Manipulation
- Content Publishing
- Workflow Automation
- Asset Management
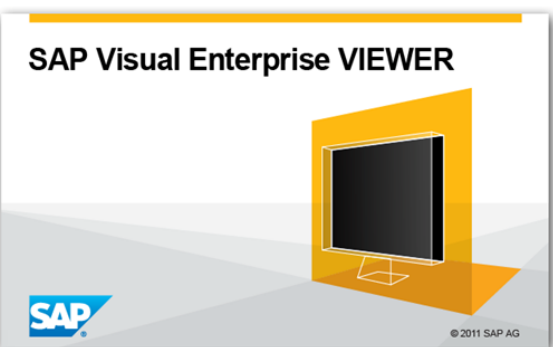
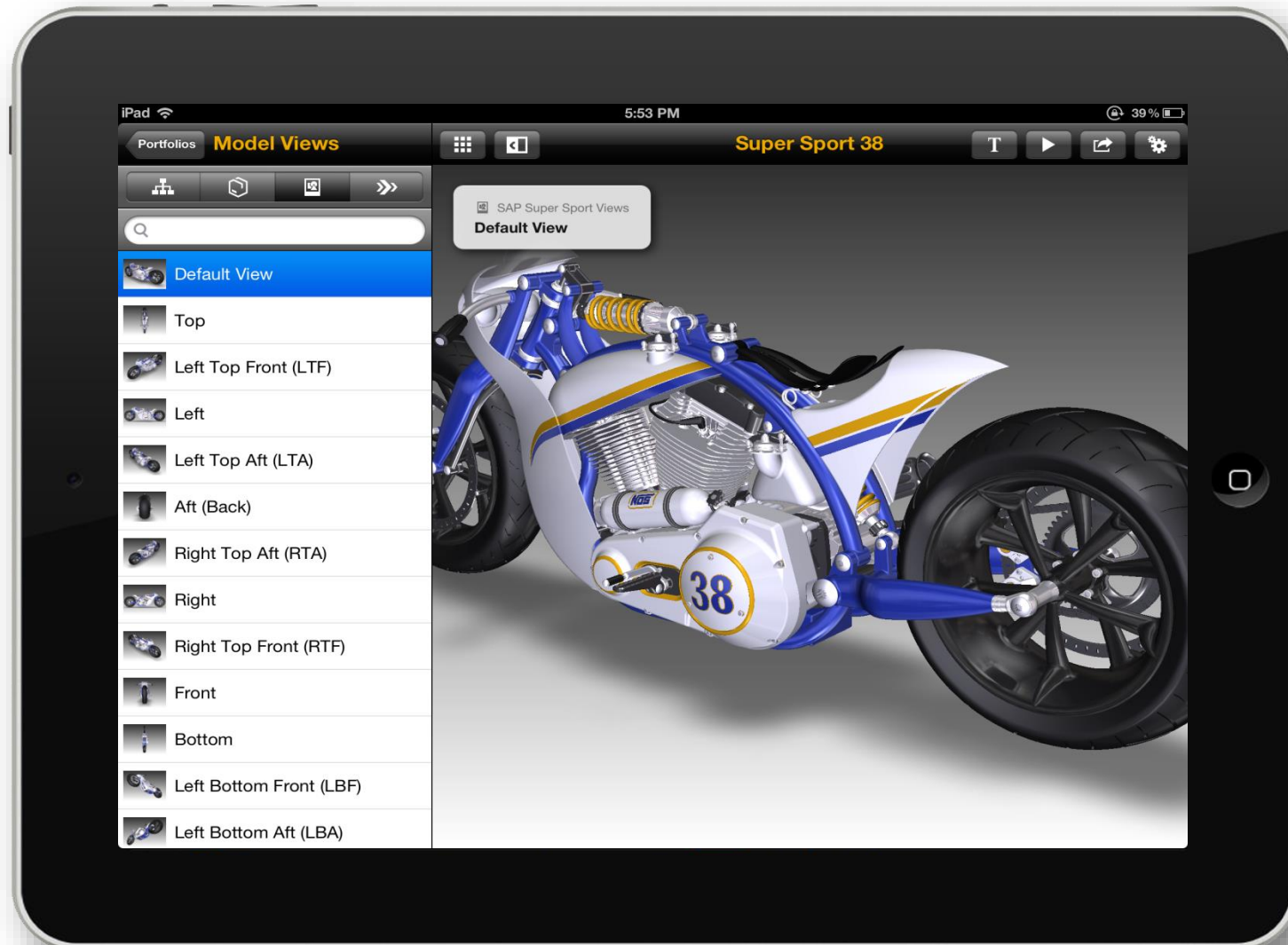# Visual Enterprise Author: Deliverable Creation Solution

- Graphics Manipulation

- Content Authoring

- 3D Animations

- Technical Illustration Tools

- Photo-realistic Imagery

- Query Definition

Visual Enterprise Viewer: Delivery and Collaboration

- Collaboration
- View and Mark-up
- View 3D Models and Animations
- Embed 3D in MS-Office, PDF, and HTML
- Mobile viewers

Mobile Delivery of Visual Work Instructions (VWI)
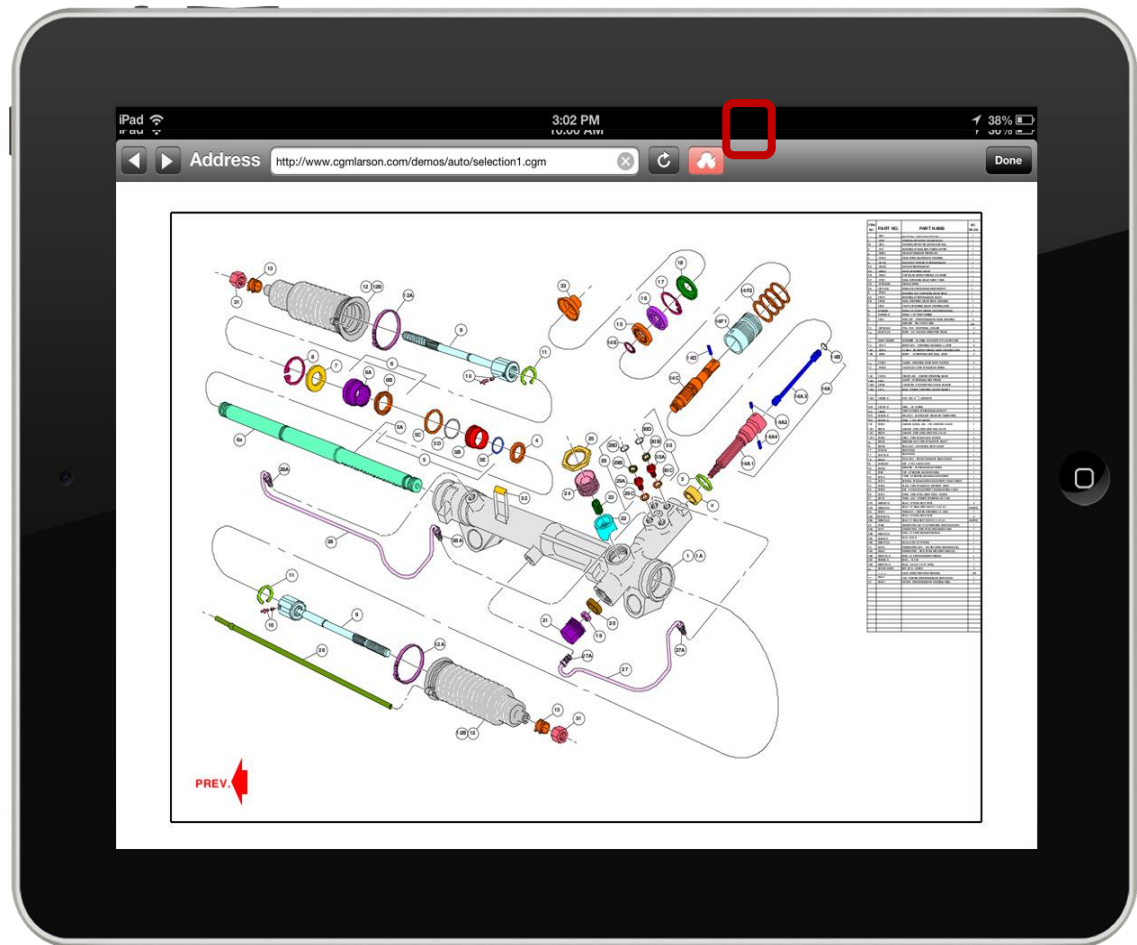
Interactive 2D CGM Support –

Solution Enhancement

- Interactive 2D Graphics Support

Key Benefits

- Connecting 2D Graphics to SAP Business Data

- Acceptance of CGM across SAP EAM Verticals & International Industry Standards such as the Commercial Airlines, Auto and Trucking, Aerospace & DOD, Railroad Industry, Petroleum Industry

Visual Enterprise Planner

- Guided and visualized process for creation of alternate BOM structures
- Planning scope definition by plant
- Structure feedback to ERP

- Faster handover to production through creation of manufacturing BOM structures in parallel with product development process