

Slavko Snjegota, Development Architect, SAP 3D Visual Enterprise Auckland, March 7, 2017





Visual Product Configurator

Ski-Doo configuration example using Microsoft Hololens

- Accurate real-size 3D visual representation
- Interactive configuration selection
- Natural user interaction with the virtual model
- Configurable parts with multiple choices
- Colour selection
- Accessories selection





SAP Does Visual!

- Visualisation of Digital Twins and IoT data on any device
- Real-time IoT data monitoring
- Analytics, predictive maintenance
- Virtual training with visual work instructions
- Collaboration on design, consumption, maintenance...
- Product configurators
- Customer engagement tools



"Digital twins are becoming a business imperative, covering the entire life cycle of an asset or process and forming the foundation for connected products and services"

Thomas Kaiser, Senior Vice President of IoT





IoT data monitoring with Digital Twins

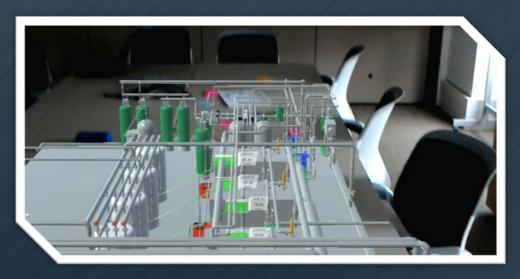
Power generator example

- Visual 3D representation of a remote installation
- Real time IoT data monitoring
- Visual warnings
- Switching to detailed view of problematic part

Boiler plant example

- Visual representation of a remote facility
- Real time IoT data fed into visual data
- Visual warnings for out-of-bounds data
- Selective data display





Transforming the humble user manual into a customer engagement tool

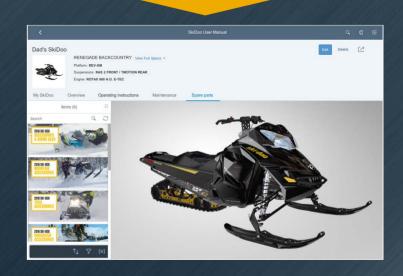
Classic user manuals

- Every manufacturer has to create, maintain and deliver User Manuals
- In a world of highly configurable products and digital native customers, this is an expensive, and often wasted effort with limited use (paper manuals are discarded or lost when you most need them).
- And it is one-way, non-interactive. No up-sell, accessories, consumables or spare parts.

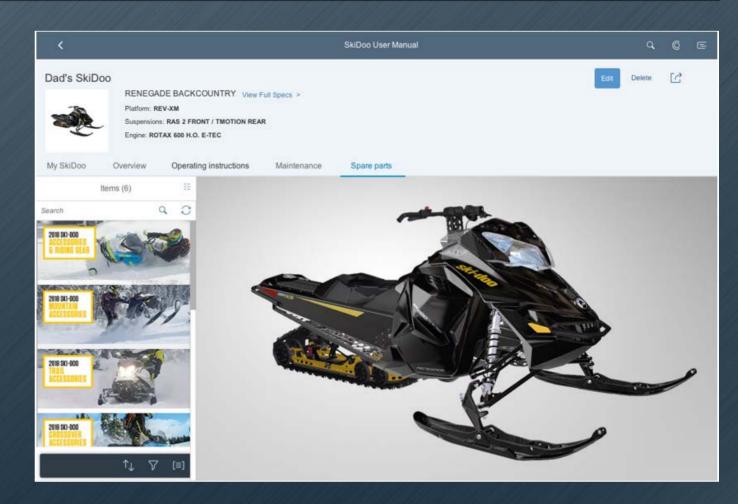
Customer engagement tool

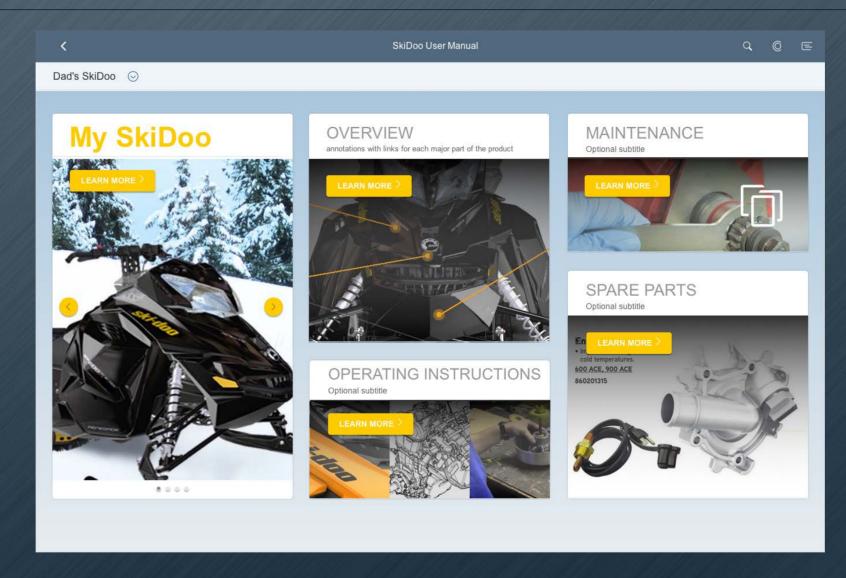
- Always available on any device
- Configured for your particular product
- Interactive and visual
- Can offer new upgrades and accessories
- Service reminders

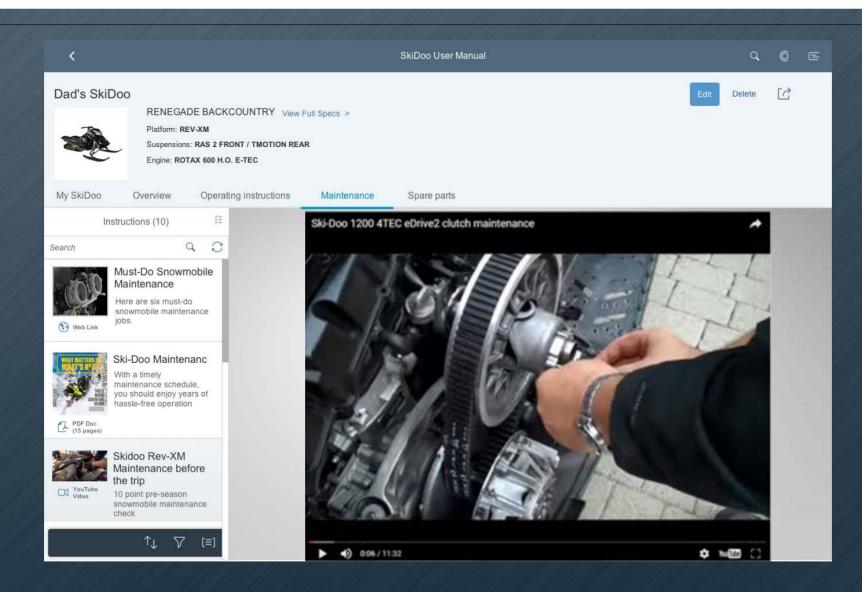


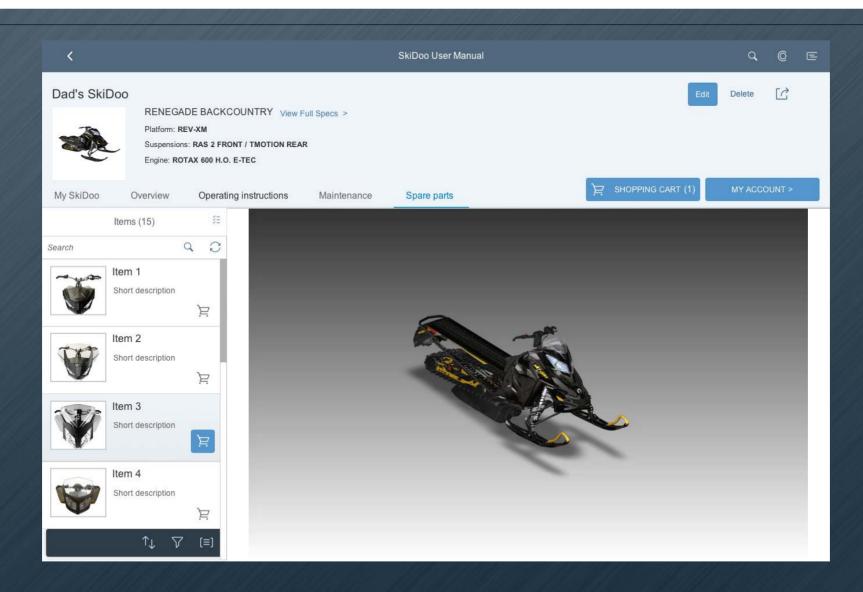


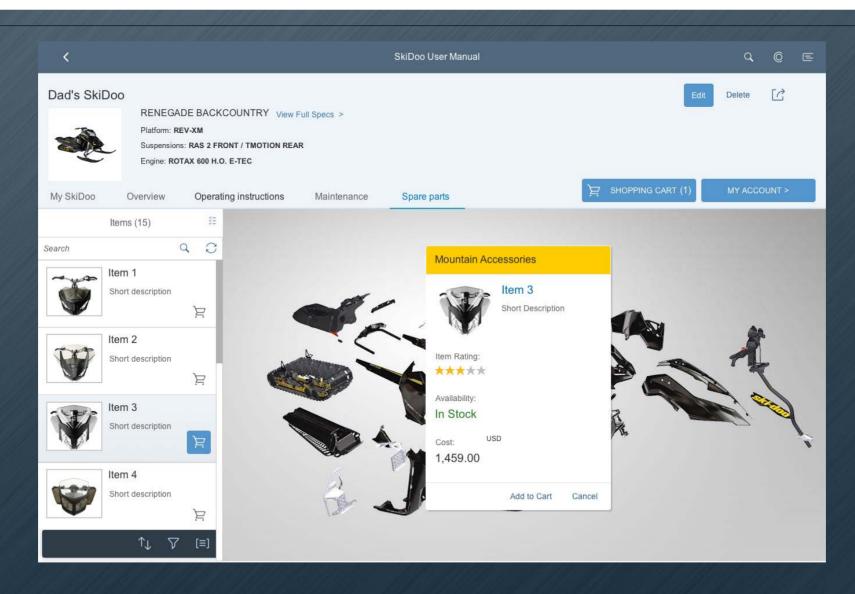
- Available and connected
- Modern, Fiori UI design
- On your phone, tablet or headset
- Will know which model you bought
- Will know if it needs a service
- Provides access to spare parts and warranty information
- Provides video or animated operational or maintenance procedures







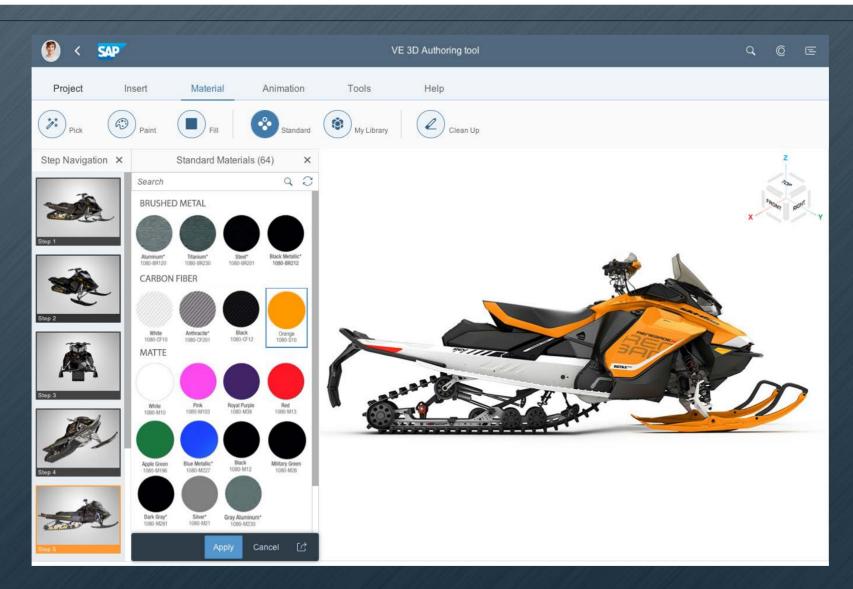




Communicating Product Information

Simplified technical authoring for cloud and AR consumption: user manuals, simple configurators

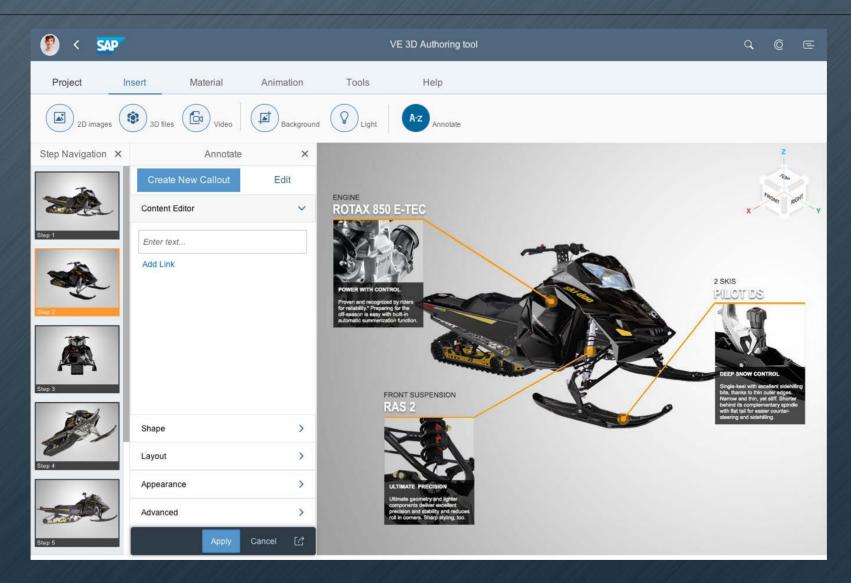
Assign materials



Communicating Product Information

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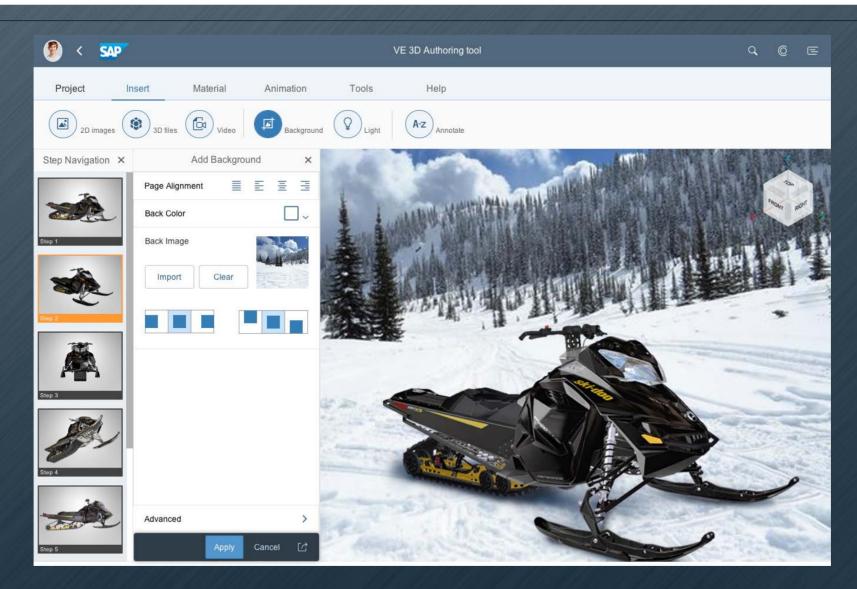
Annotate



Communicating Product Information

Simplified technical authoring for cloud and AR consumption: user manuals, simple configurators

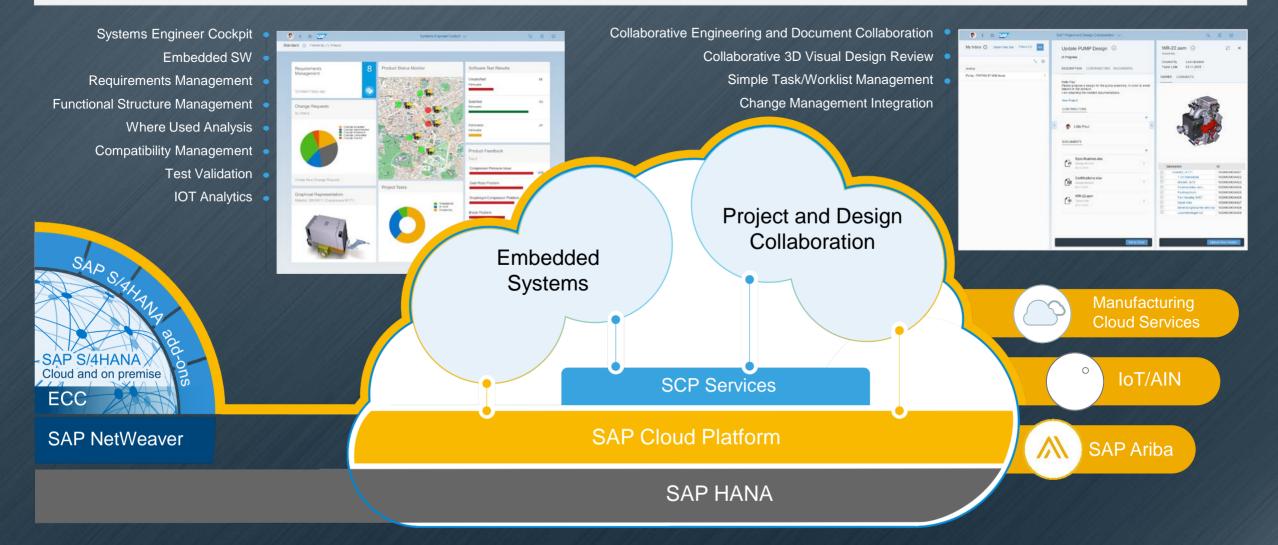
Backgrounds



Connected Products

- Integrate software as part of the Smart Connected Product
- Seamless systems engineering
- Ensure compatibility between the software and hardware

- Closing the process gaps between engineering and the digital twins
- Share, submit and collect engineering documents
- Execute task structure across company boundaries



Want to Influence SAP Product direction?

The Visual Enterprise team vision is to transform industry with Digital Twin visualisation and Interactive Connected user manuals

- We plan a Connected Product Experience on SAP Cloud Platform
- Next: Customer Engagement Initiative to test concepts and design product
- This is great opportunity for innovative customers to work with us and influence SAP product direction



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Thank you

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