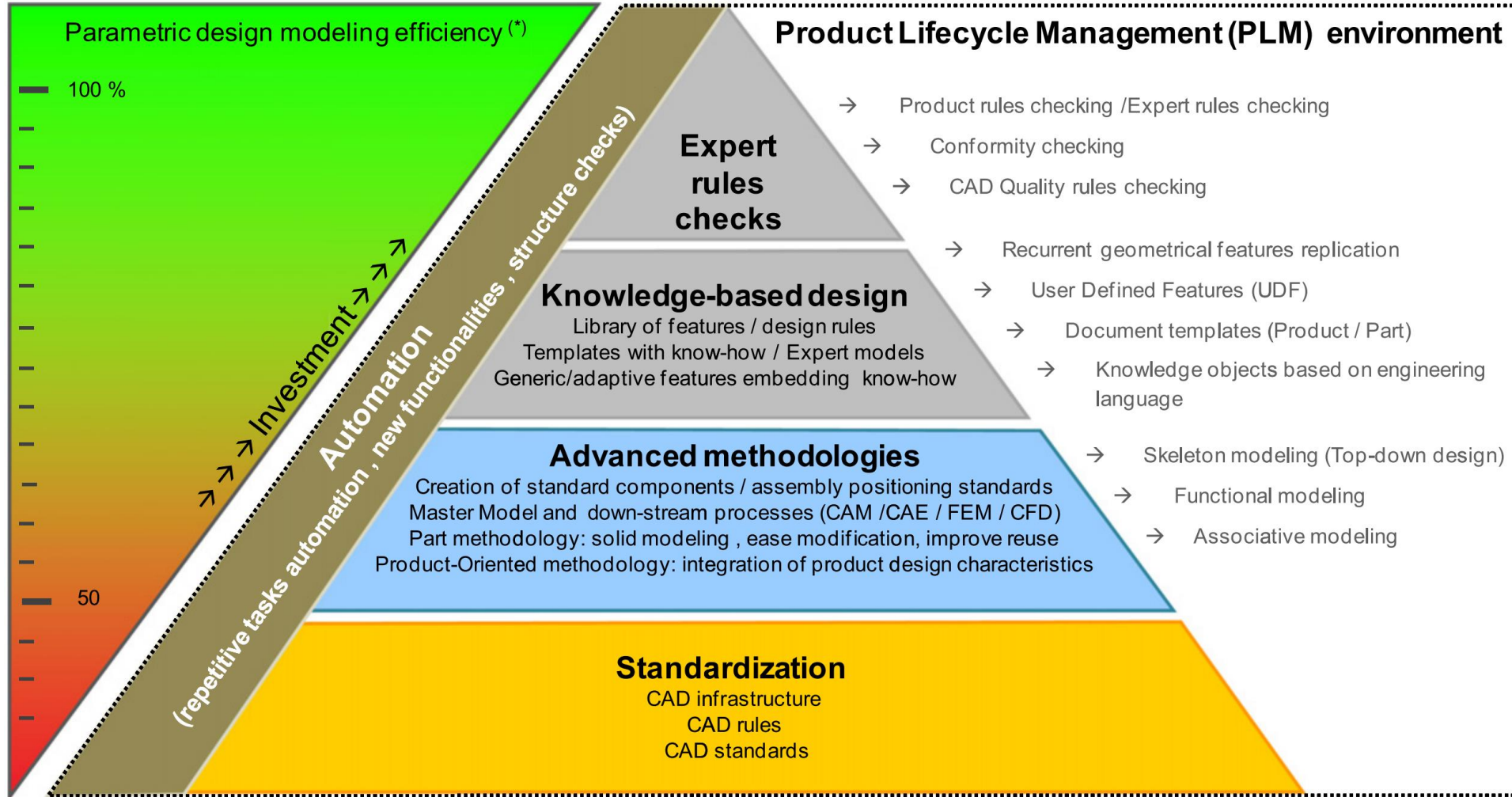


Innovations

Keep up with us

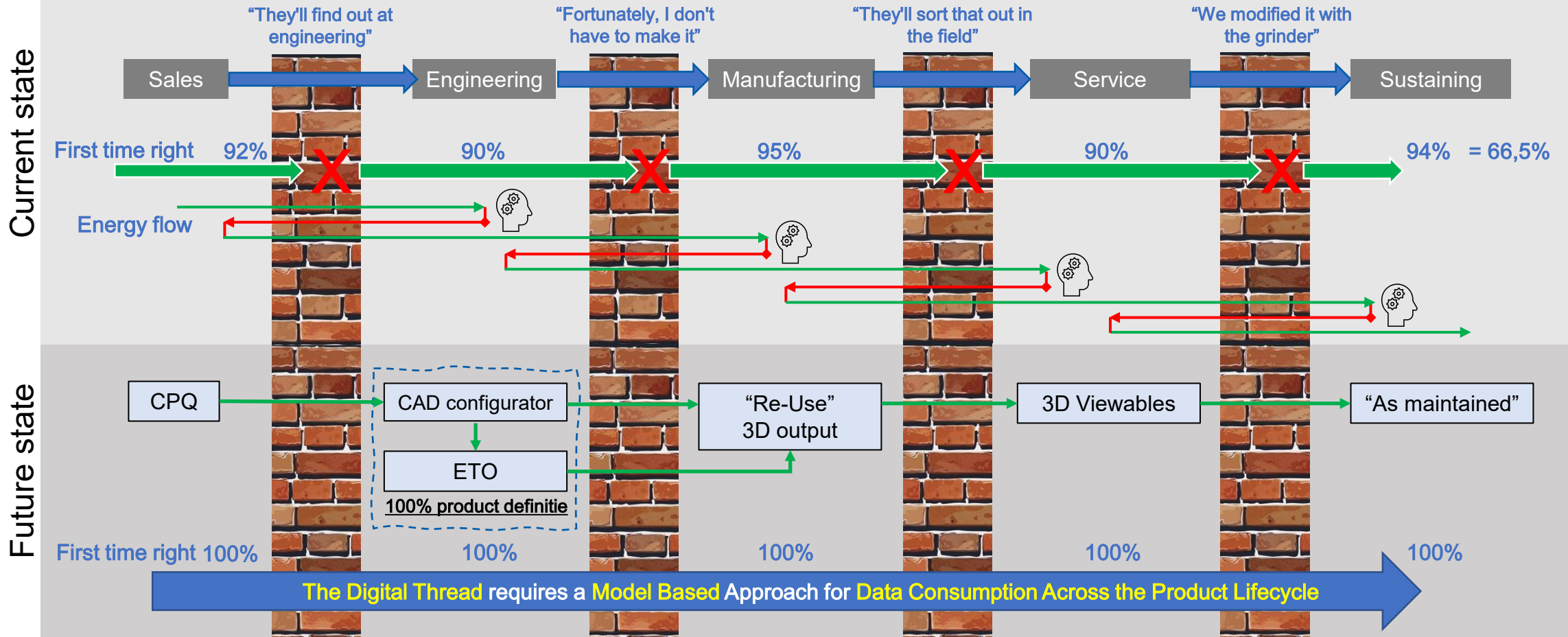
'A roadmap for Creo Parametric Efficiency'



Yannick Bodein, Bertrand Rose, Emmanuel Caillaud
Tata Technologies Europe, Frankrijk
Universiteit van Straatsburg, Frankrijk

First time right!!

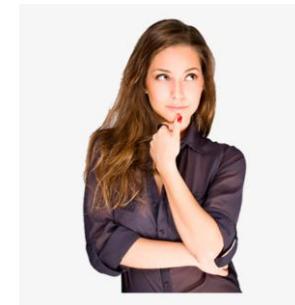
$$\%FTR_{total} = \%FTR_1 \times \%FTR_2 \times \%FTR_3 \times \dots$$



What is 100% product definition?



Can you bring me a bag of "Pepperbell Crips"?????



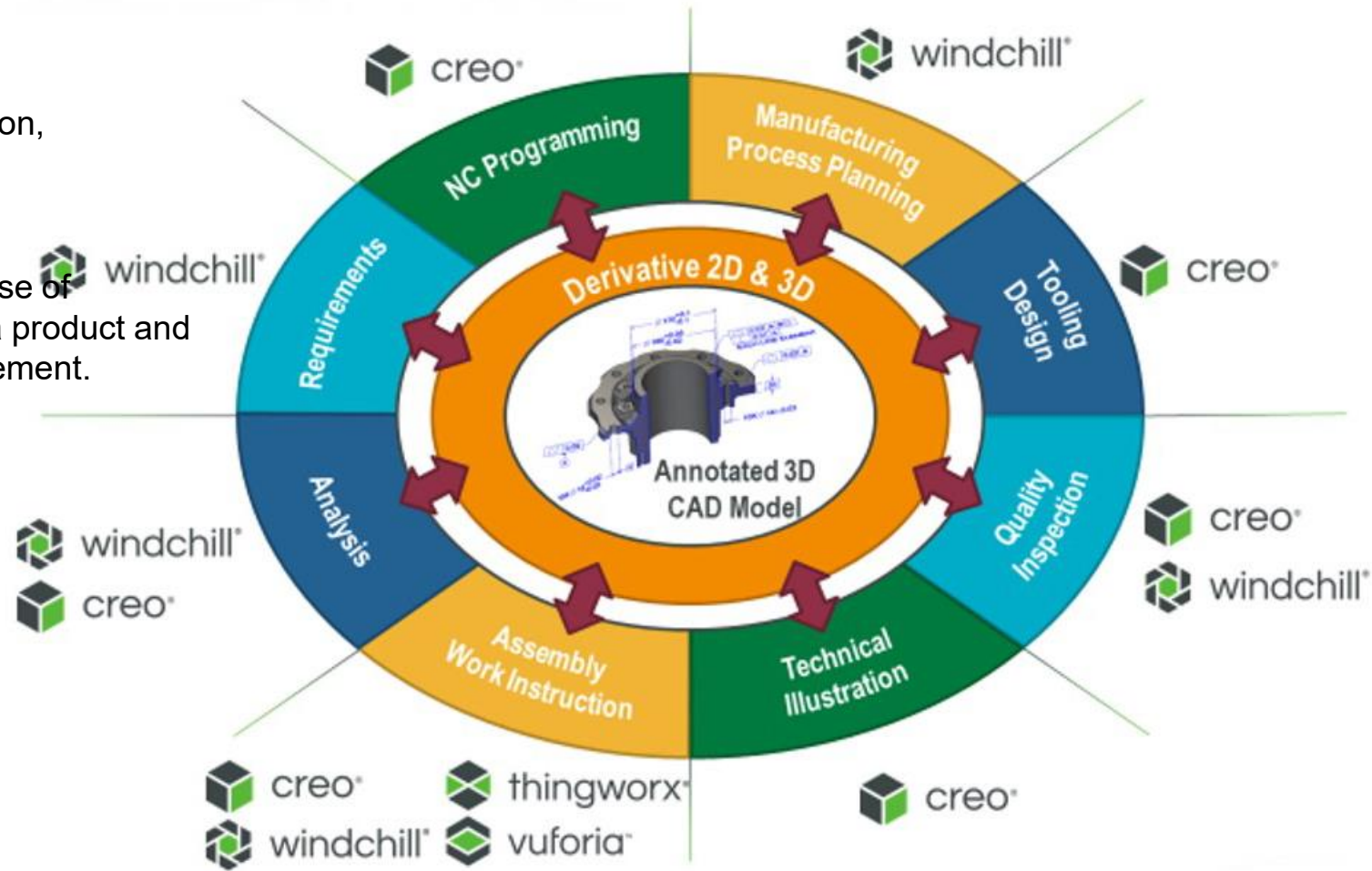
Model Based Definition (MBD) & Enterprise (MBE)

Model Based Definition

This **digitally enables design data** for downstream consumption, without human intervention, to achieve the digital thread.

A Model Based Enterprise

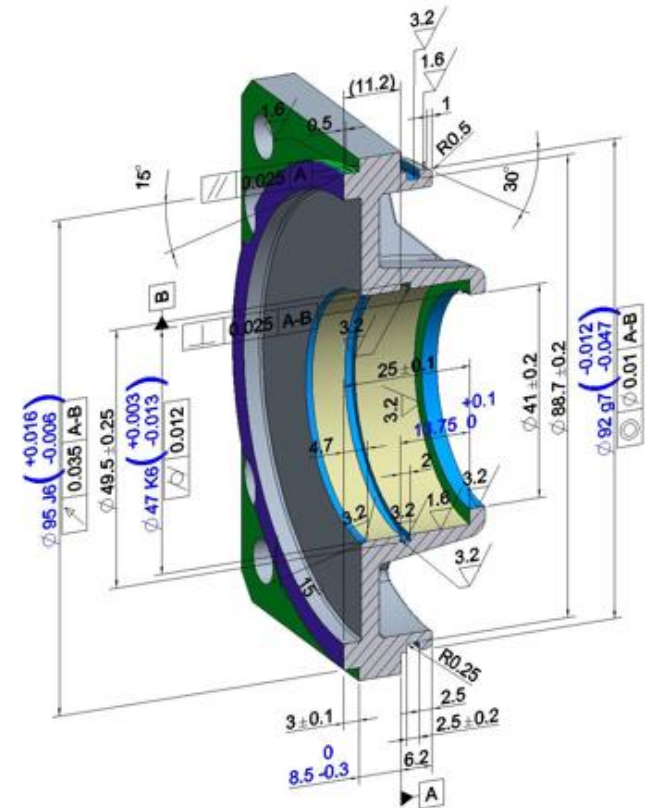
An organization that uses Model Based Design for the purpose of Commissioning, Operation, service and decommissioning of a product and **digitally consumes feedback** to automate continuous improvement.



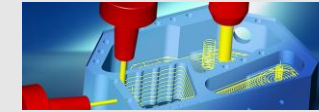
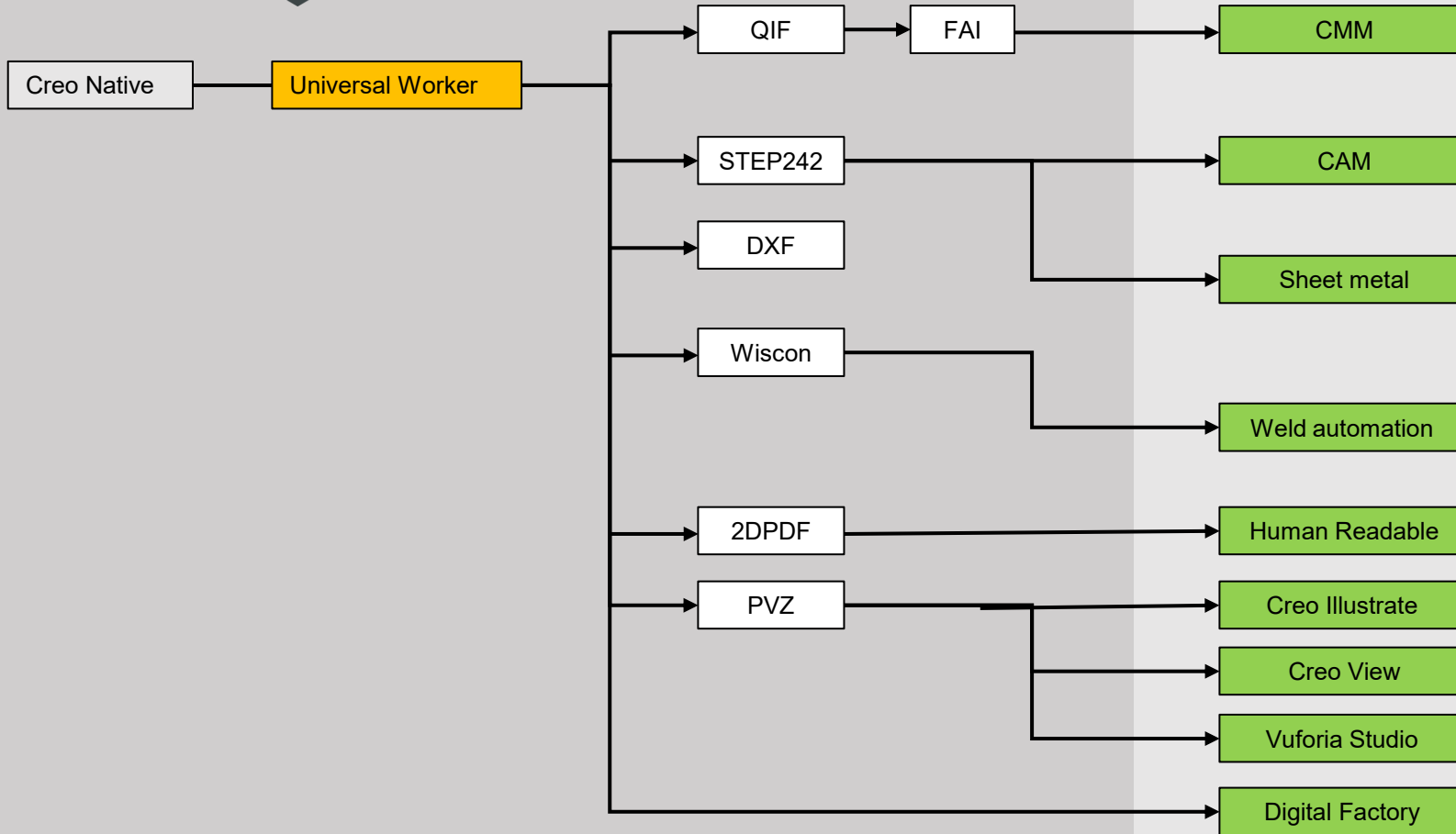
100% product definition in 3D CAD

- **Geometry**
 - Accuracy
 - Nominal model
 - Dimensions
- **Tolerance**
 - GD&T
 - Symmetrical tolerance
- **Roughness**
- **Surface finish**
 - Hardening
- **Coating**
 - Painting
- **Metadata**
 - **Annotations**
 - General info
 - Parameters
 - Feature info
 - Parameters
 - Remarks
 - Production procedures
 - Symbols
 - Welding
 - QR code
 - Tables
 - **Materials**
 - Description
 - Code
 - Article no

NA		R162 G175 B191
TID 01	REF	R255 G255 B0
TID 12	±0.005	R204 G204 B153
TID 13	±0.01	R0 G204 B51
TID 15	±0.05	R102 G51 B255
TID 16	±0.1	R0 G153 B255



Overview consumption 3D data Re-Use



Manuals/Work instructions

Viewables

AR/VR

