



Altair

Innovation Intelligence®

Inspire for the Oil & Gas Industry

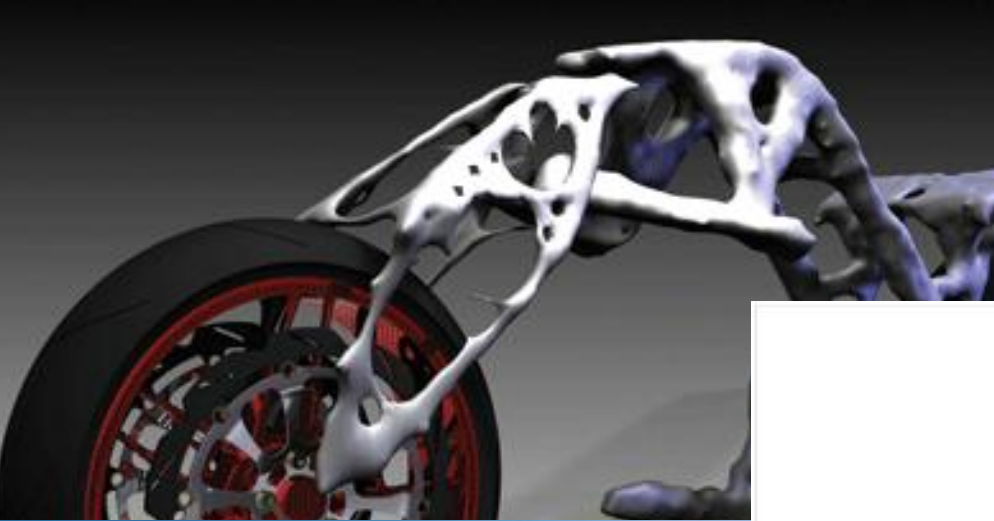
Blaise Cole, Application Engineer (Dallas TX)

bcole@altair.com

September 24, 2014

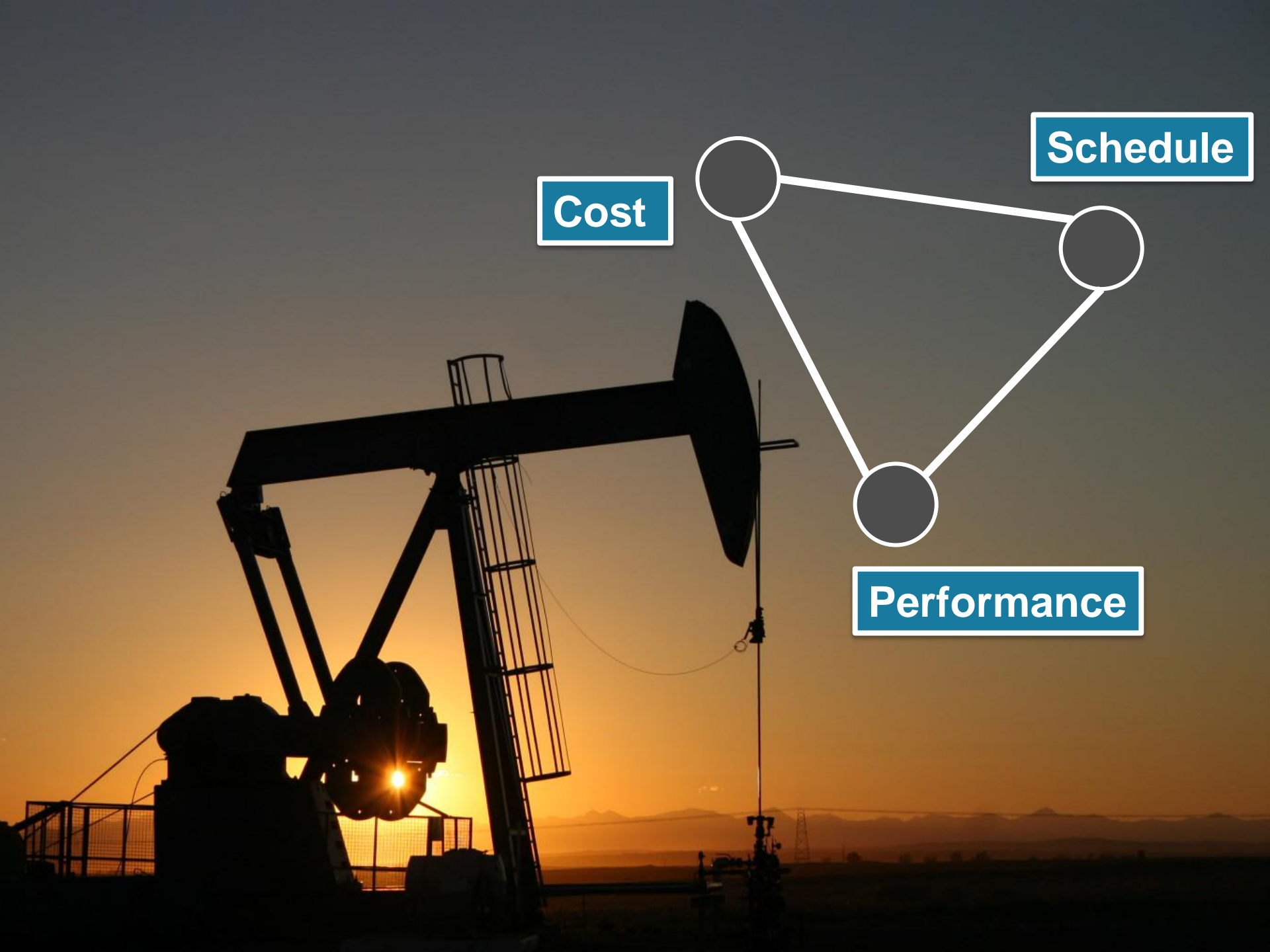


What is Inspire?





Inspire in your Current Design Process



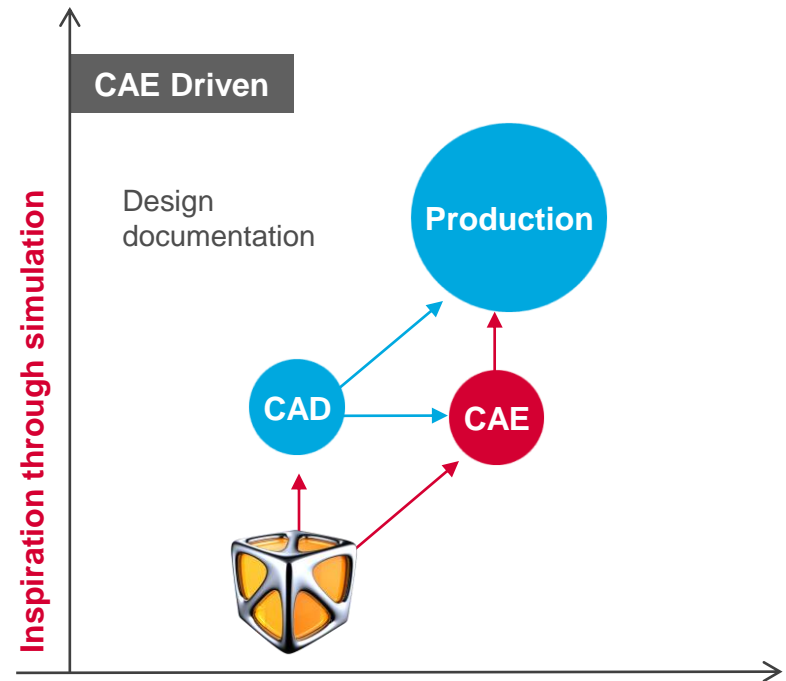
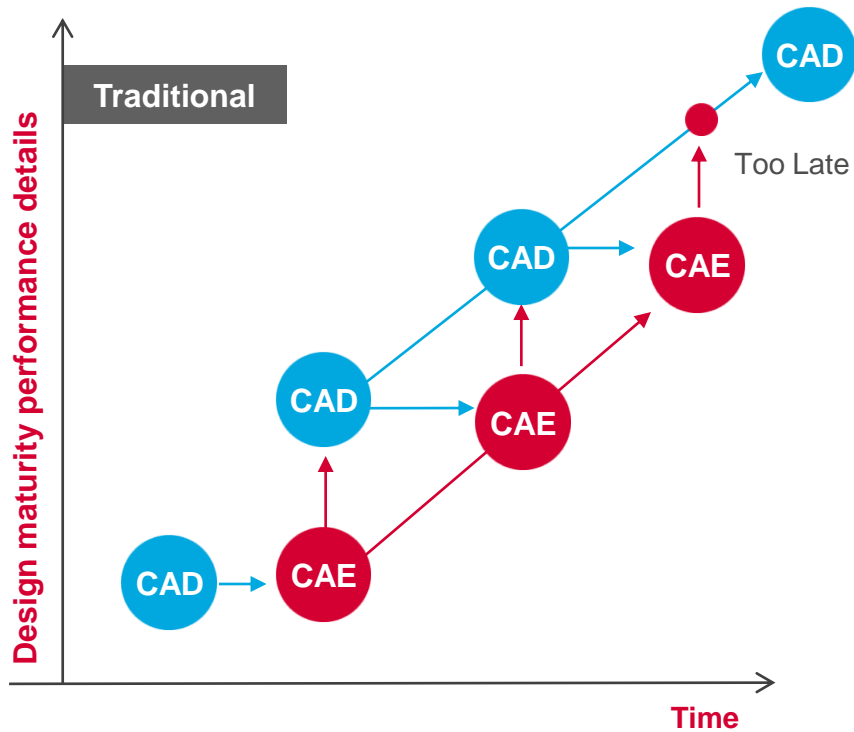
Cost

Schedule

Performance

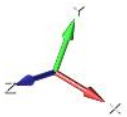
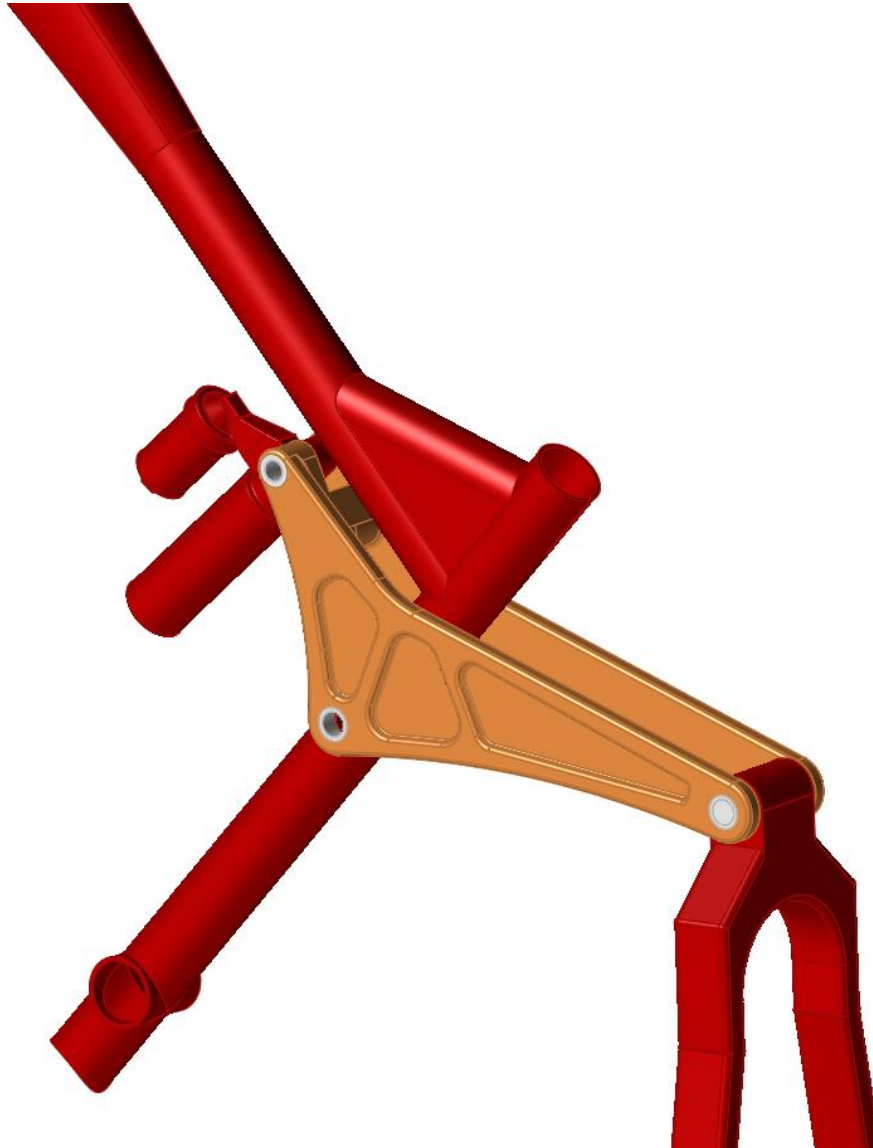


CAE Driven Design



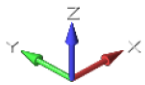
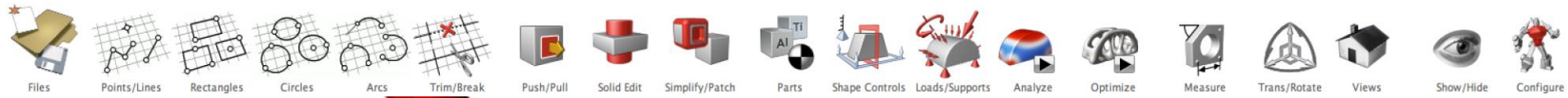
Start with original CAD design

solidThinking®



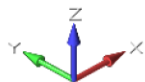
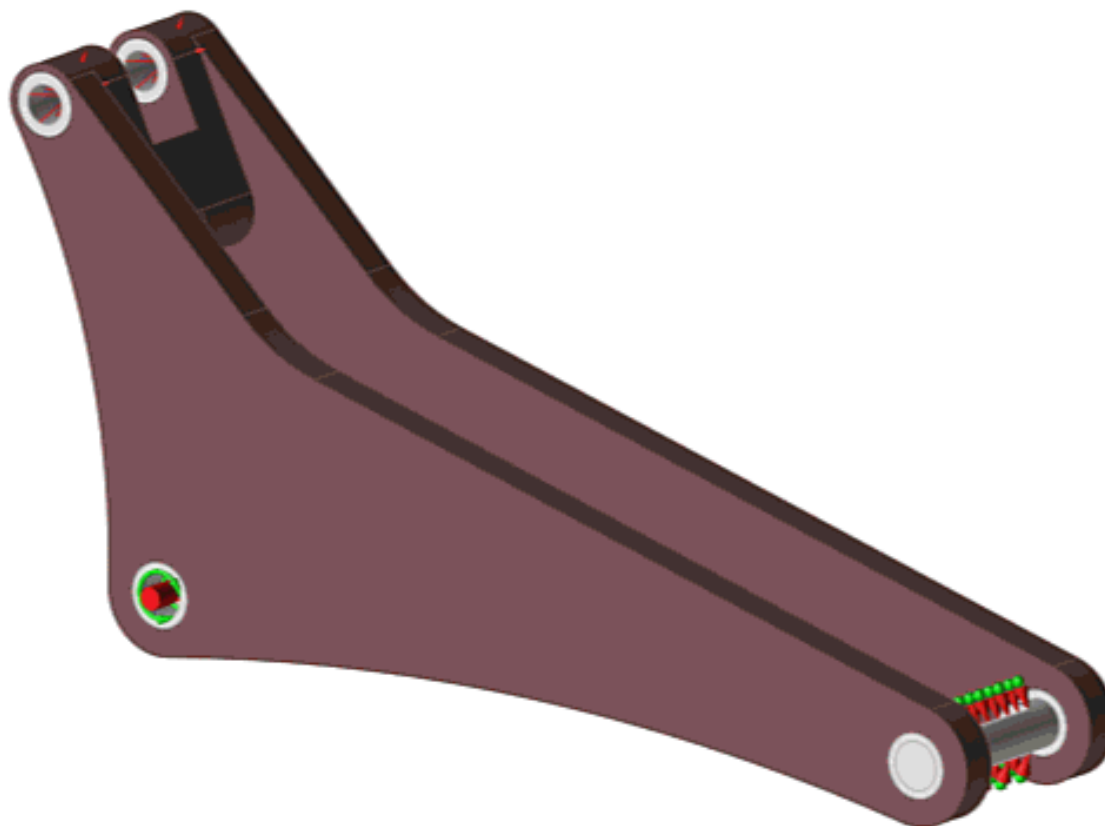
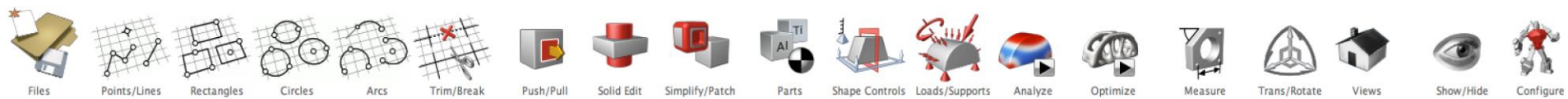
Create Package Space and Load Cases

solidThinking[®]



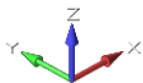
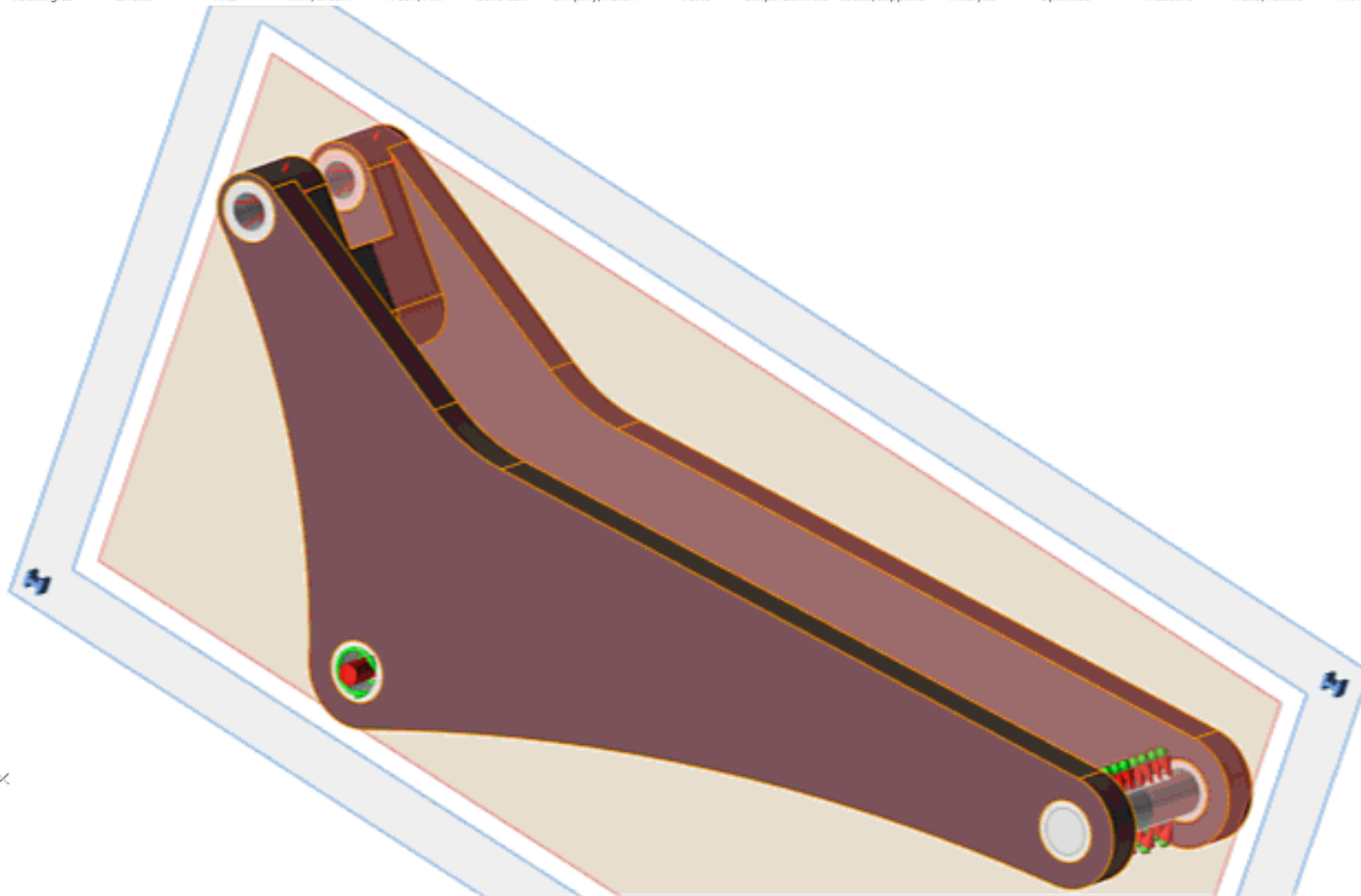
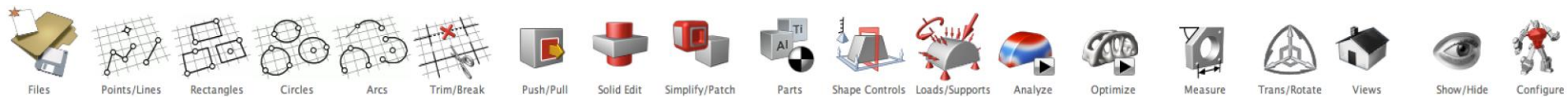
Inspire Concept Shape

solidThinking[®]



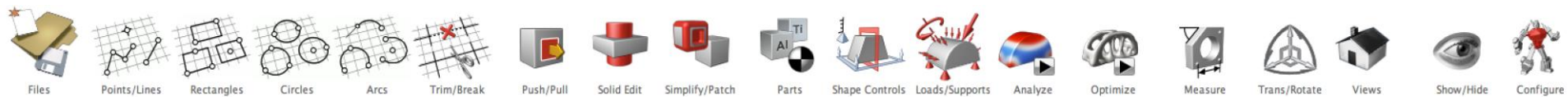
Explore Different Designs / Shapes

solidThinking[®]



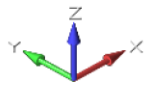
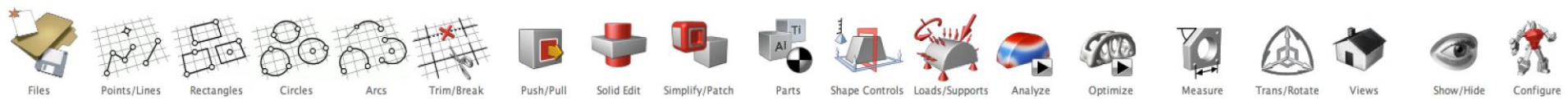
Validate Inspire Concept Shape / Proposal

solidThinking[®]



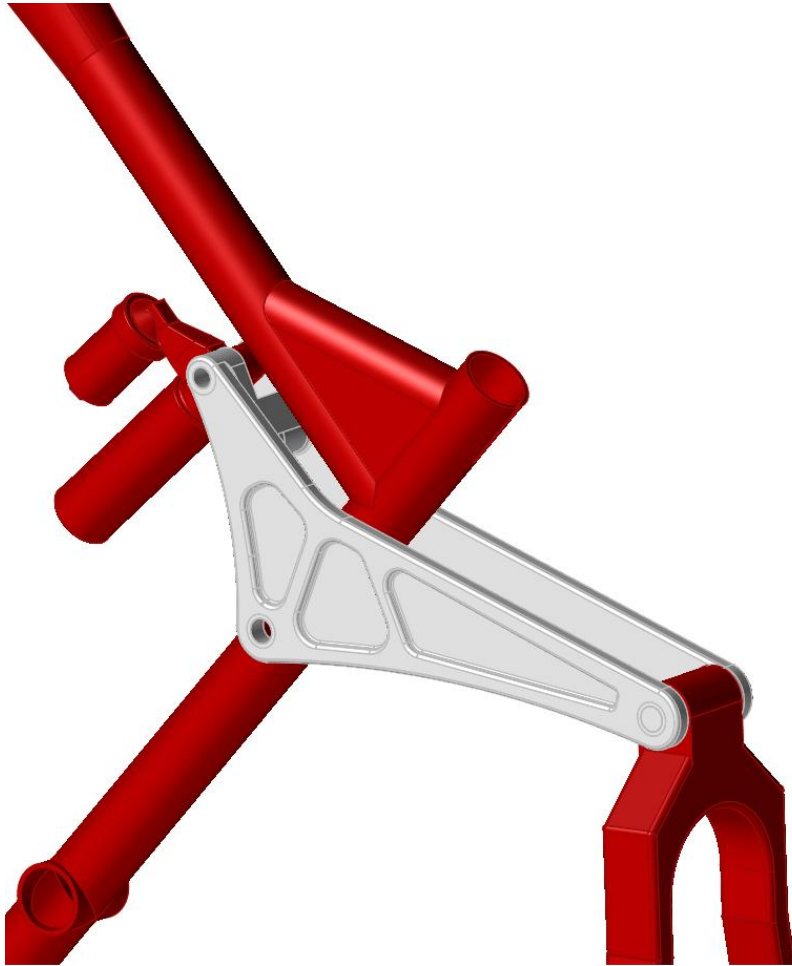
Inspire Results back into CAD

solidThinking[®]



Original Design vs. Inspire Design

solidThinking[®]



New Design: 25% Lighter



Why use Inspire?

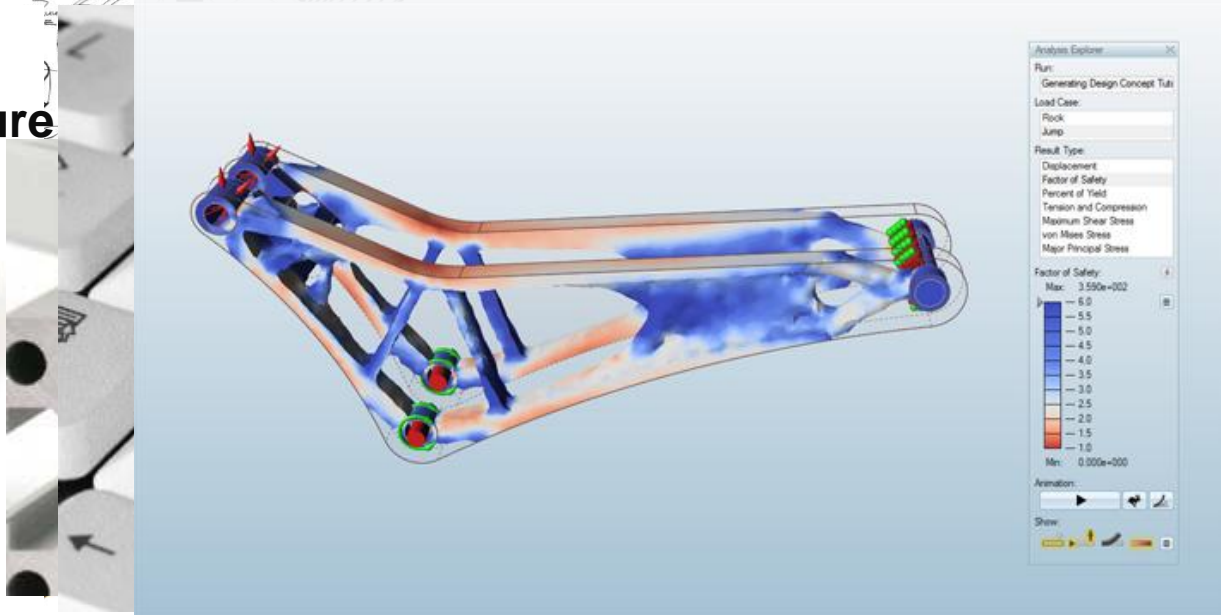
Especially for Oil and Gas Sector



Benefits of Inspire 2014

- Lower Material Cost
- Weight Savings
- Less Time on Conceptual Design
- More Concepts in a Shorter time
- Understand Different Manufacturing Techniques
- Better Understanding of the Part/Assembly
- Ease of Use
- New Analysis Feature
- Export for CAD

1. Antimatter - \$ 62.5 trillion / gram





Demonstration