# **Exhibition Room Workshop Agenda**

Workshop 1: (10 Minutes)

Creating stylized, interesting and distinctively unique designs without the need for expert knowledge

Workshop 2: (10 Minutes)

Virtual prototyping with structural, thermal and flow simulation solutions

Workshop 3: (10 Minutes)

3D scanning and 3D printing for Reverse Engineering and Rapid Prototyping (Shining 3D)

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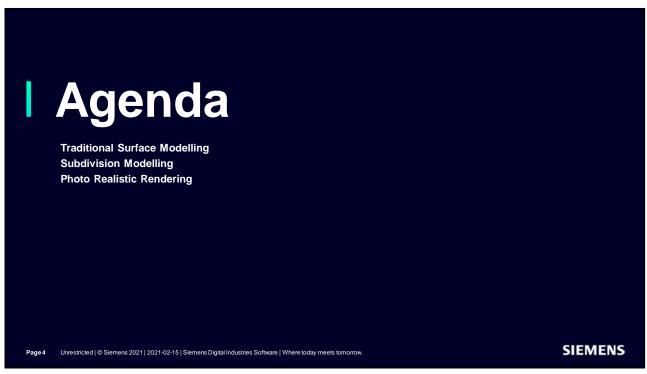
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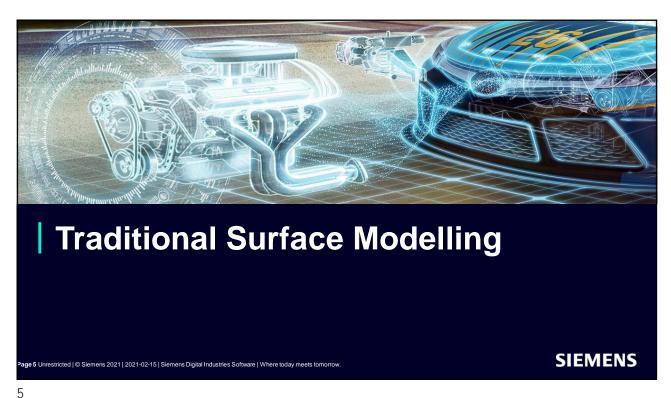
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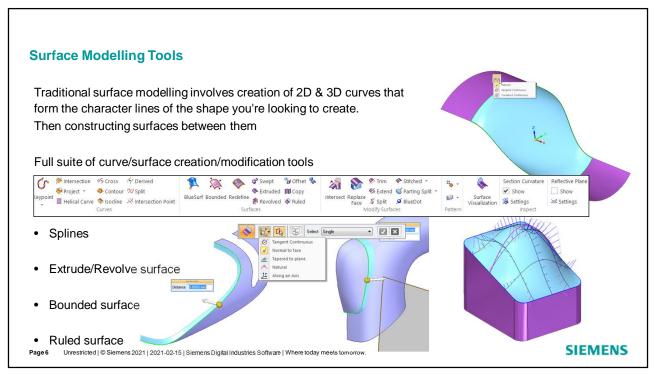


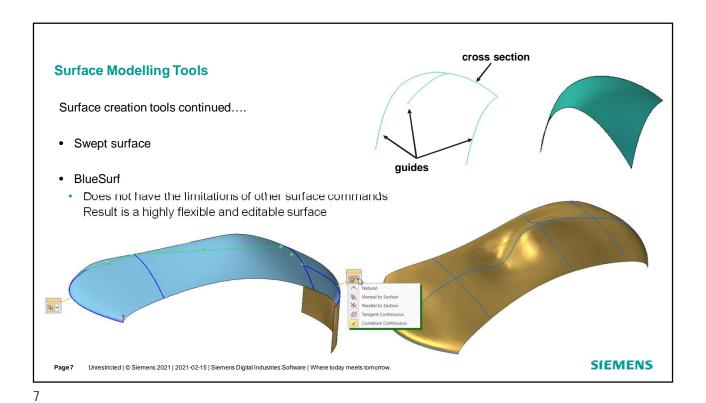
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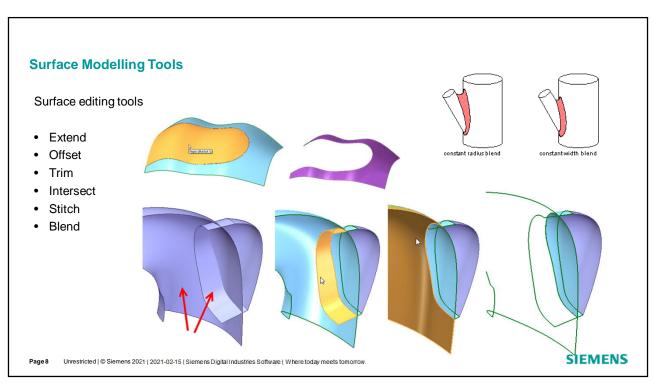


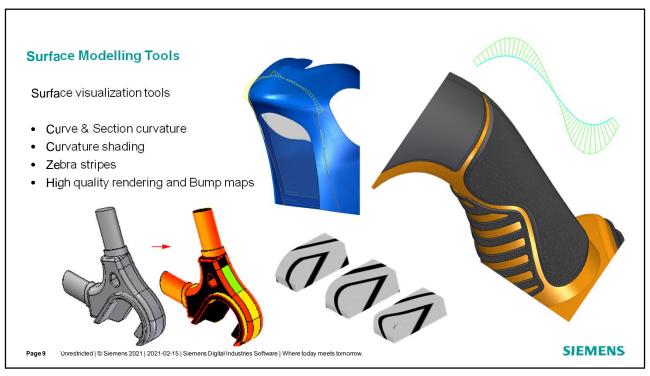


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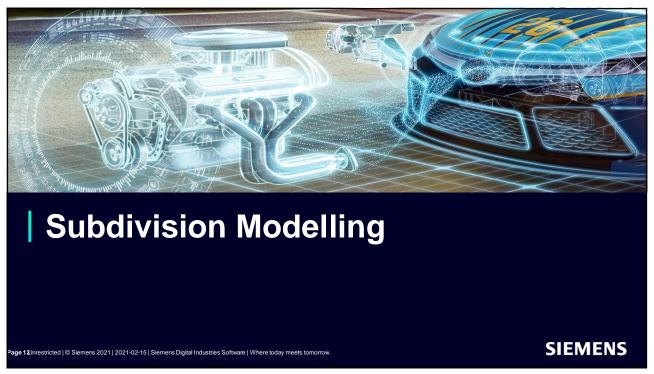


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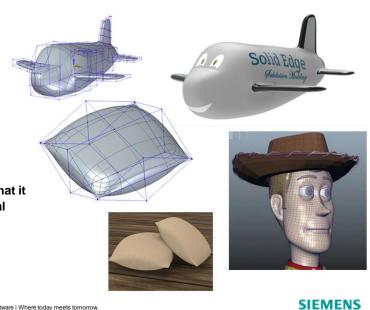




A modeling technique that generates a stylized body using a polygonal cage to control its shape

The solid body is generated through a set of rules that is repeatedly applied to each face/edge/vertex in the cage

Key aspect of Subdivision modelling is that it does not require any specialist traditional surface modelling skills to use



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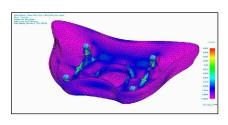
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#### **Subdivision Modelling Tools**

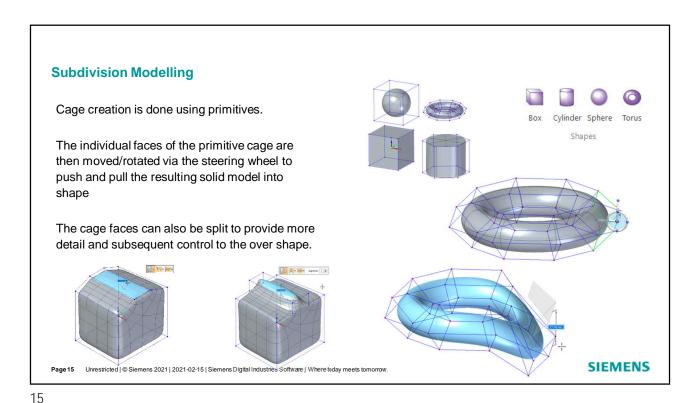
Subdivision has its own environment

Subdivision bodies are made up of spline surface patches which are available for other downstream operations

- Additional surface modelling
- · Drawing creation
- Simulation



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Symmetry Mode allows the definition of a mirror plane for cage symmetry

Cages are mirrored about the symmetry plane and any edits done on the parent side are reflected to the mirrored side

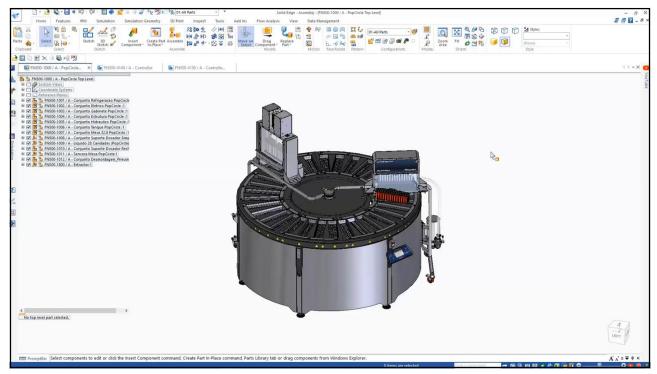
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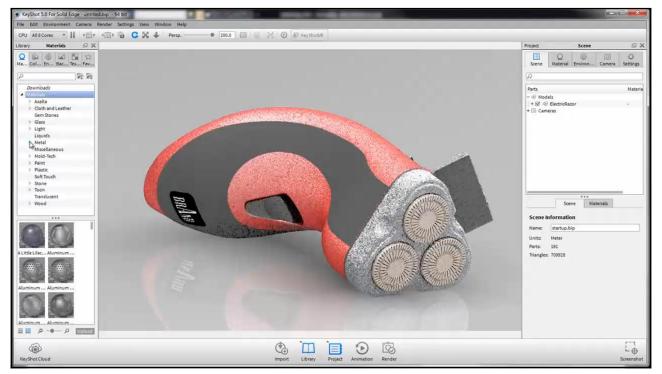


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