Introduction to Alias Speedform

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@rexisID AutodeskDesign(youtube)

Technical Marketing

ISM MFG

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Position Title **Technical Marketing Manager**

BIO

Rex rejoined Autodesk in 2014 as a Technical Marketing Manager for Autodesk's Automotive products. As a technical marketer, Rex takes his extensive knowledge in Industrial Design and visualization and creates workflows for his product line, creates most of the content on Autodesk website for Automotive and gathers all the assets needed to equip the sales team.

Rex has over a decade working with Alias products and over two decades working with visualization packages.

Expertise

Industry(s): Automotive

Autodesk Product Expertise: Alias, Speedform, VRED, StudioWall

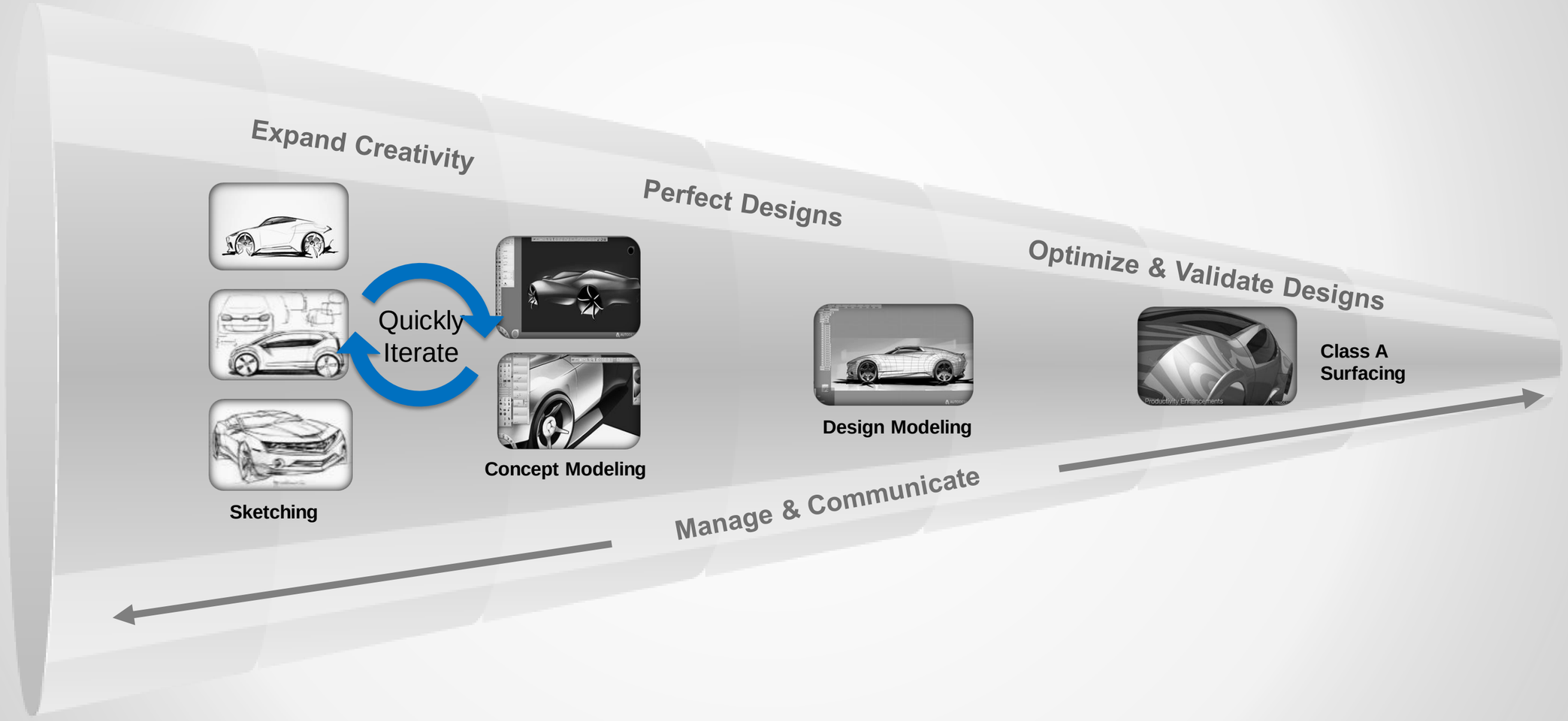
Class summary

In this class, you will learn many of the common tools used in Alias Speedform. To do this we will create two cars. The first car will use the new Wheel Arch primitive. The next series, we will develop the model more carefully learning a bazillion new tools you won't be able to live without.

Enjoy your new concept modeling experience in Speedform.

Concept Modeling

Efficiently define and iterate on early design concepts



Concept modeling milestones

1908

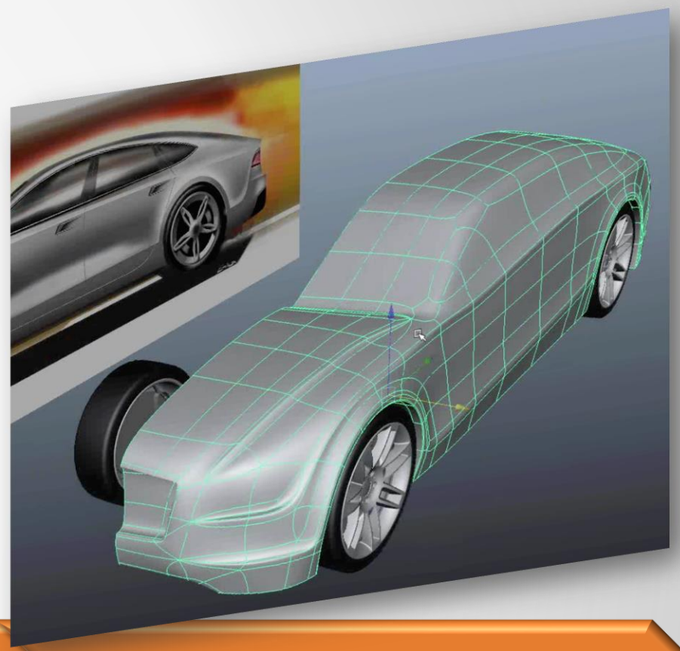
No styling

1927

Clay

1960s

NURBS

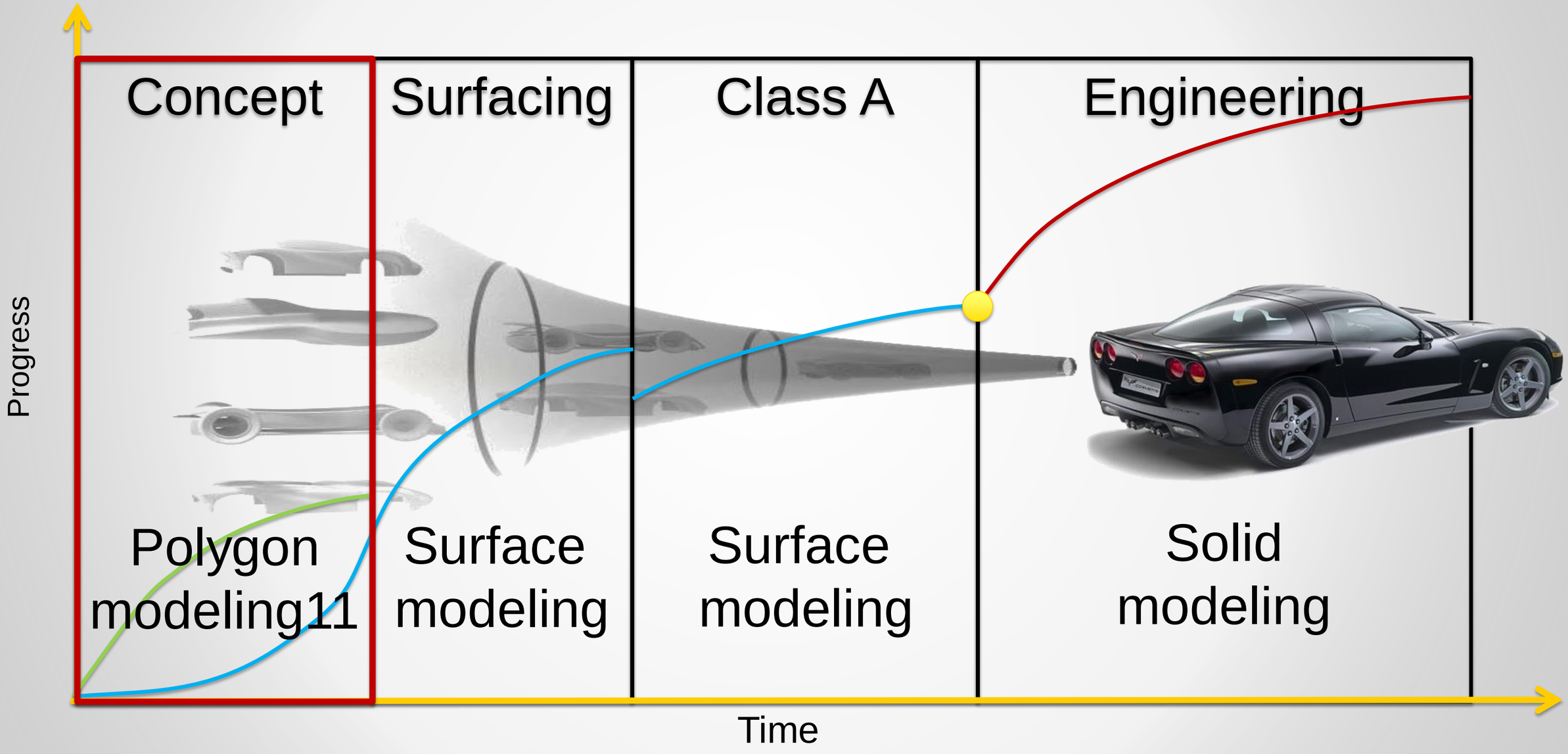


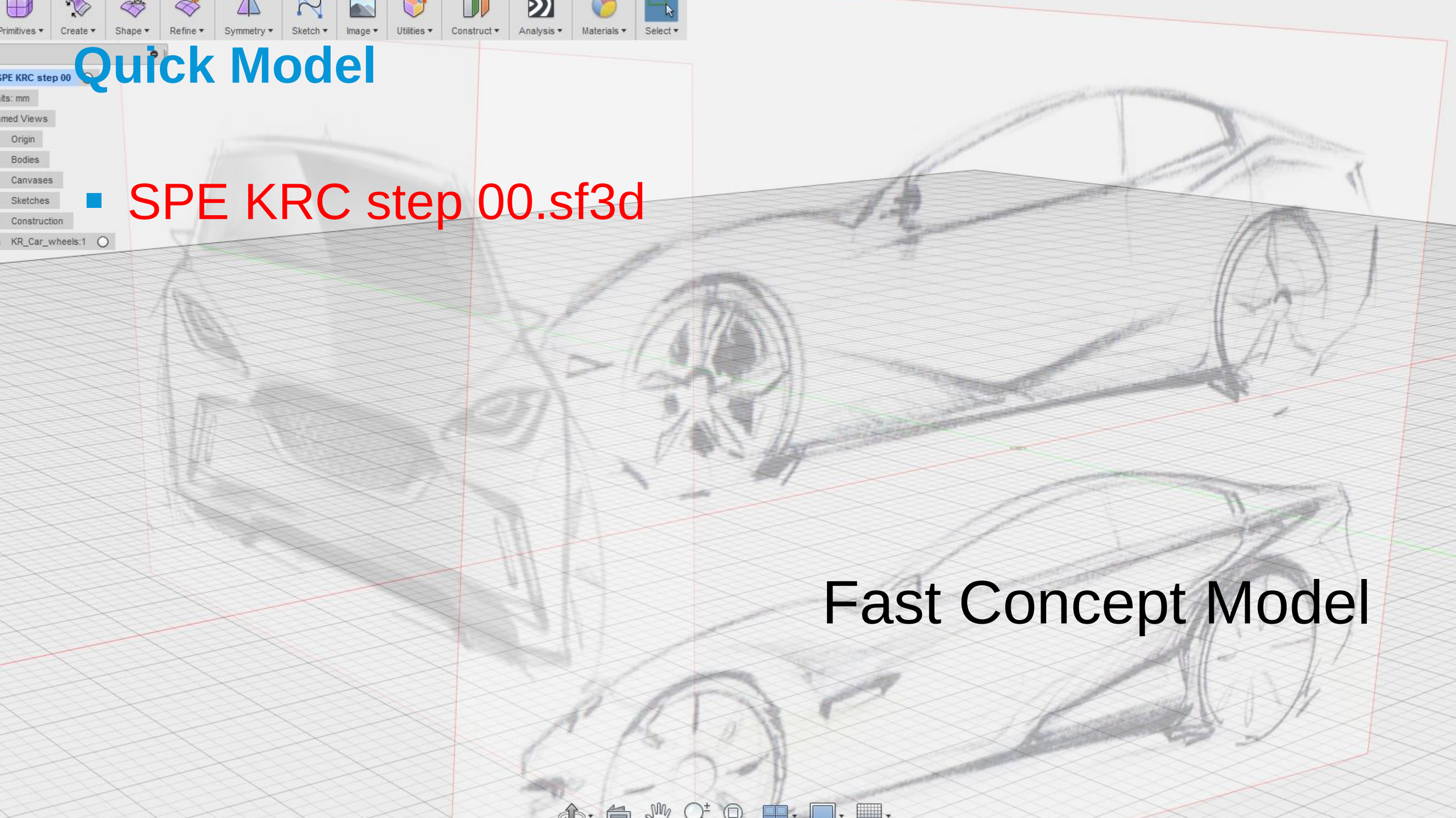
2000s

Polygons

Common approaches to concept modeling

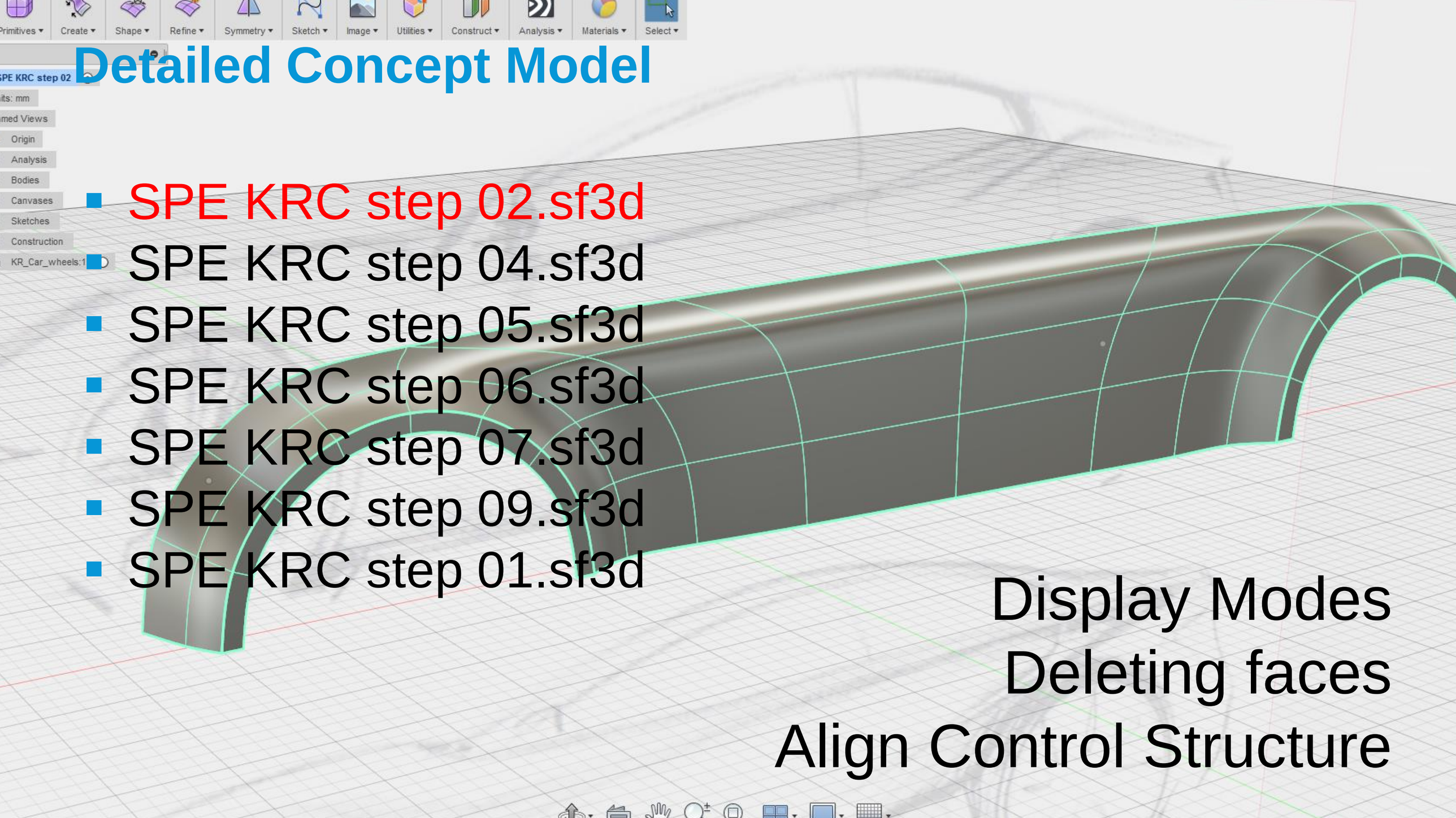
Polygon vs surface modeling




Primitives
Create
Shape
Refine
Symmetry
Sketch
Image
Utilities
Construct
Analysis
Materials
Select
SPE KRC step 00
its: mm
med Views
Origin
Bodies
Canvases
Sketches
Construction
KR_Car_wheels:1
Quick Model
SPE KRC step 00.sf3d
Fast Concept Model

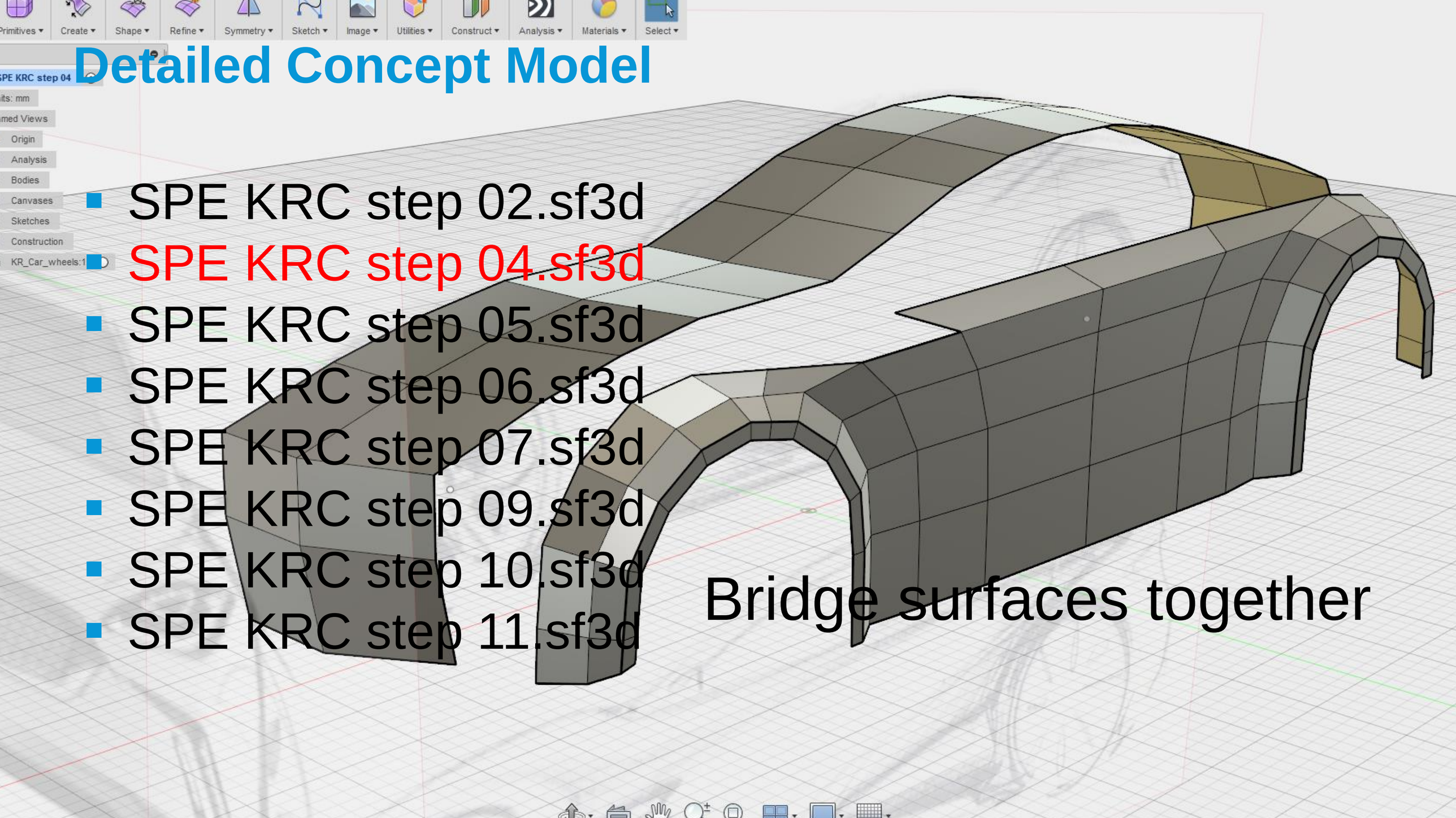
Detailed Concept Model

- SPE KRC step 02.sf3d
- SPE KRC step 04.sf3d
- SPE KRC step 05.sf3d
- SPE KRC step 06.sf3d
- SPE KRC step 07.sf3d
- SPE KRC step 09.sf3d
- SPE KRC step 01.sf3d



Display Modes
Deleting faces
Align Control Structure

Detailed Concept Model



- SPE KRC step 02.sf3d
- SPE KRC step 04.sf3d
- SPE KRC step 05.sf3d
- SPE KRC step 06.sf3d
- SPE KRC step 07.sf3d
- SPE KRC step 09.sf3d
- SPE KRC step 10.sf3d
- SPE KRC step 11.sf3d

Bridge surfaces together

Detailed Concept Model

- SPE KRC step 02.sf3d
- SPE KRC step 04.sf3d
- SPE KRC step 05.sf3d
- SPE KRC step 06.sf3d
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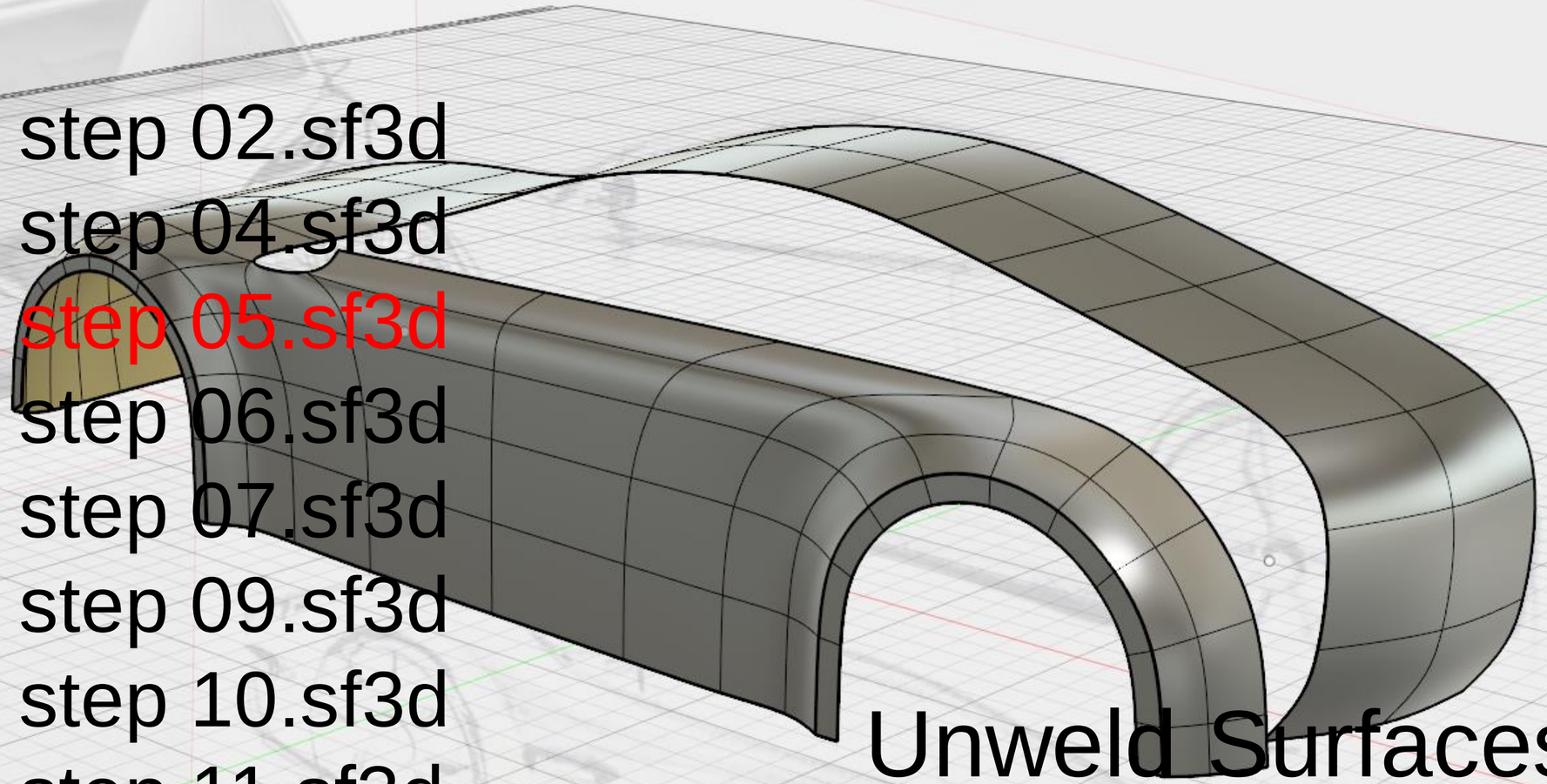
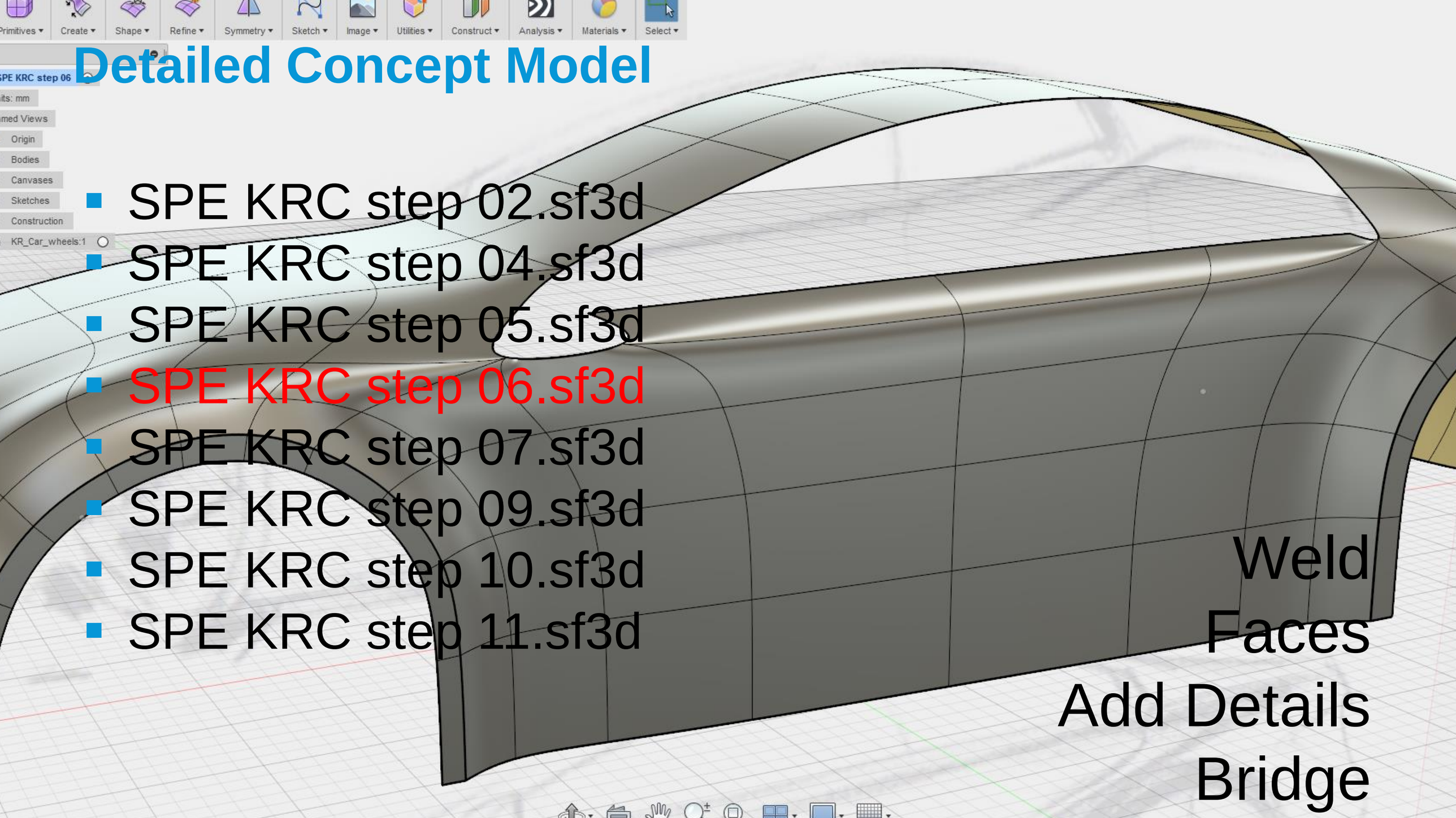
- SPE KRC step 11.sf3d



Unweld Surfaces
Bridge Surfaces



Detailed Concept Model

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- SPE KRC step 11.sf3d

Weld
Faces
Add Details
Bridge

Detailed Concept Model

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- SPE KRC step 04.sf3d
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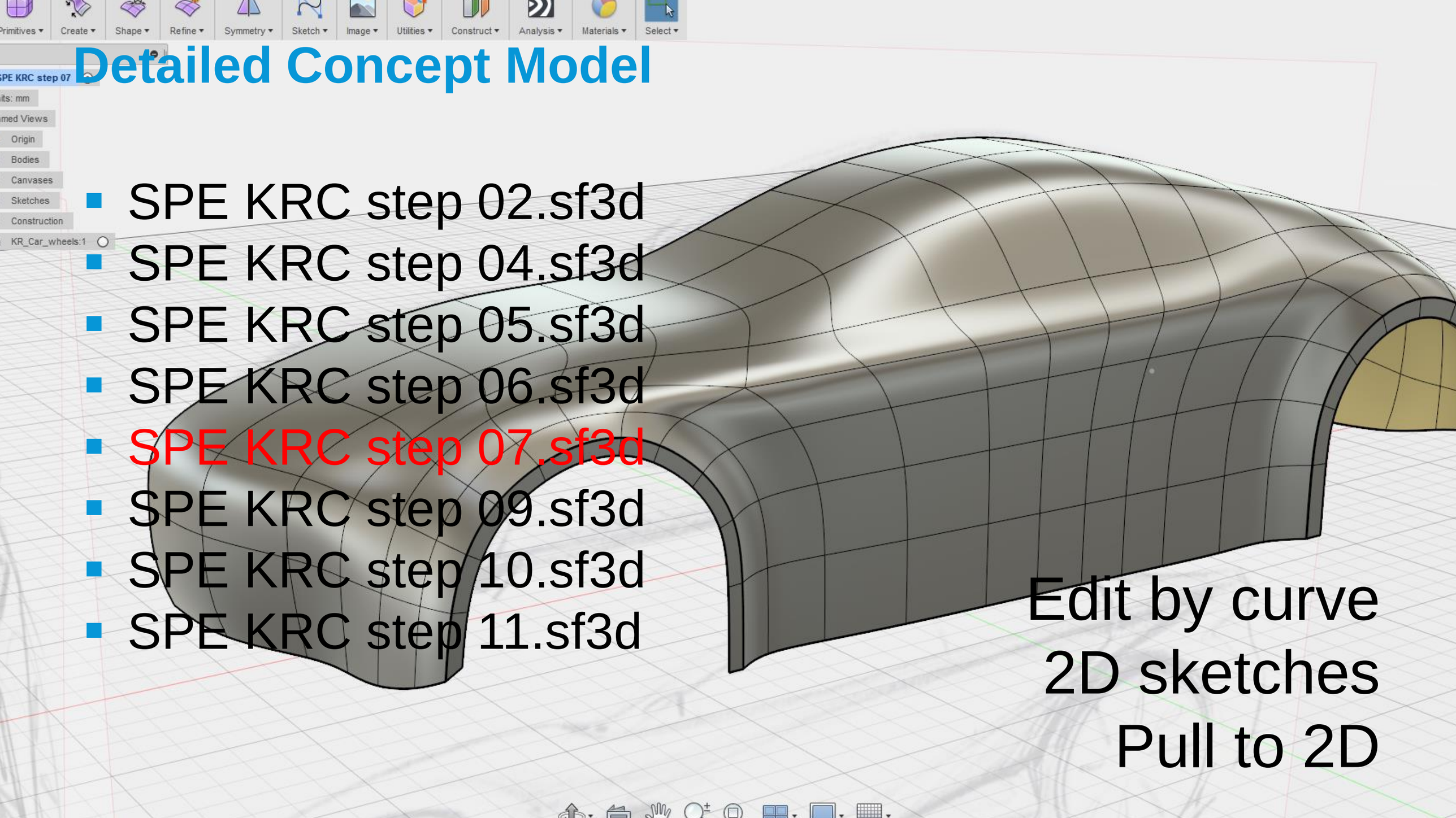
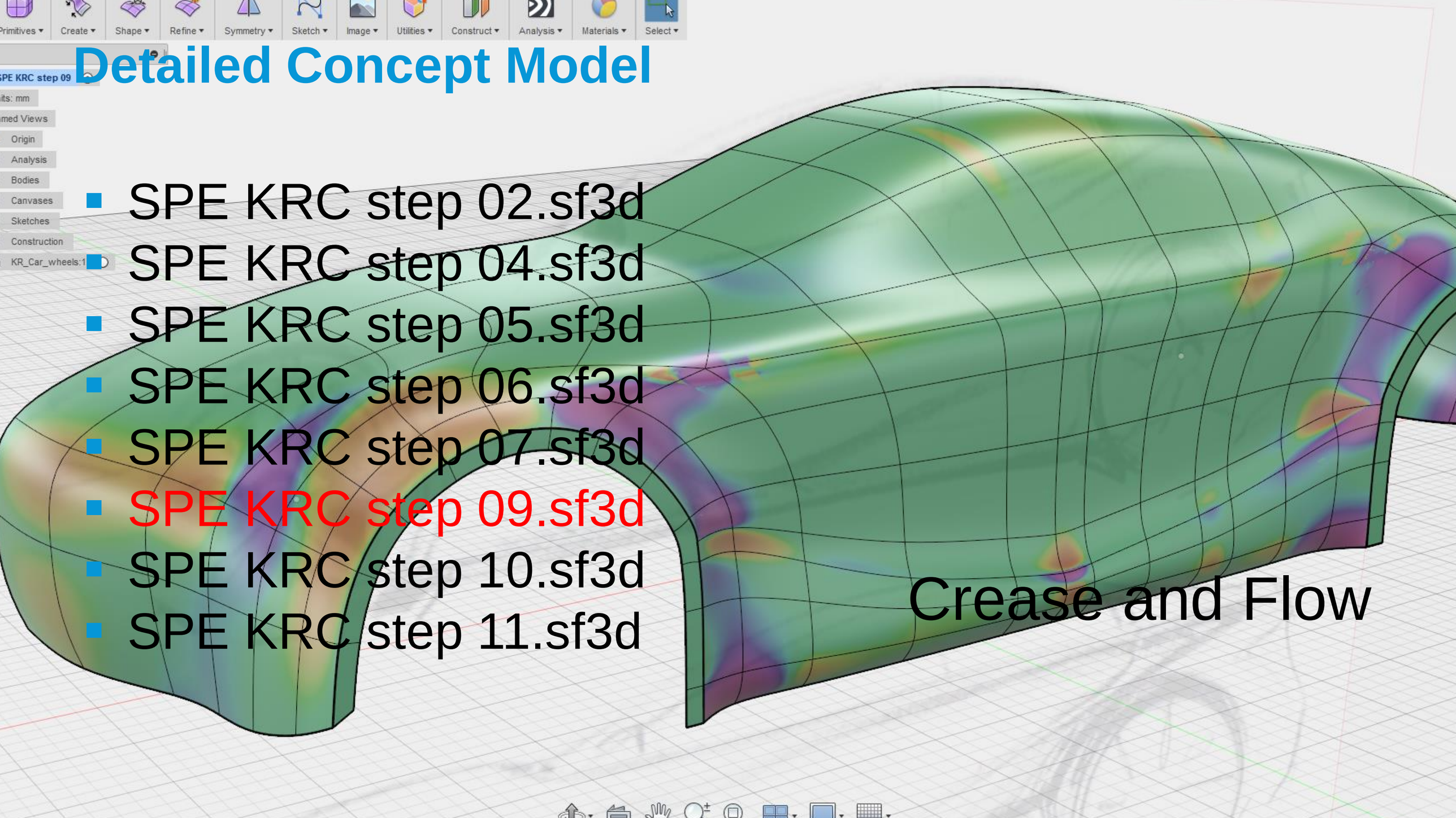


Edit by curve
2D sketches
Pull to 2D

Detailed Concept Model



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- SPE KRC step 10.sf3d
- SPE KRC step 11.sf3d

Crease and Flow

Detailed Concept Model

- SPE KRC step 02.sf3d
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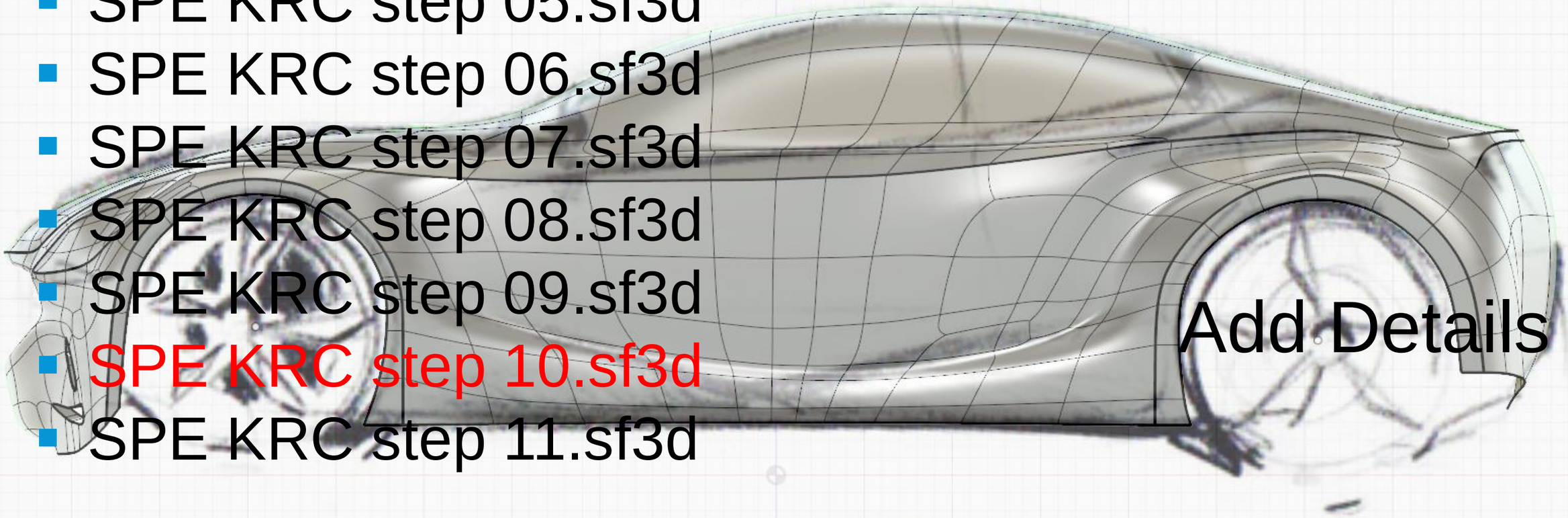
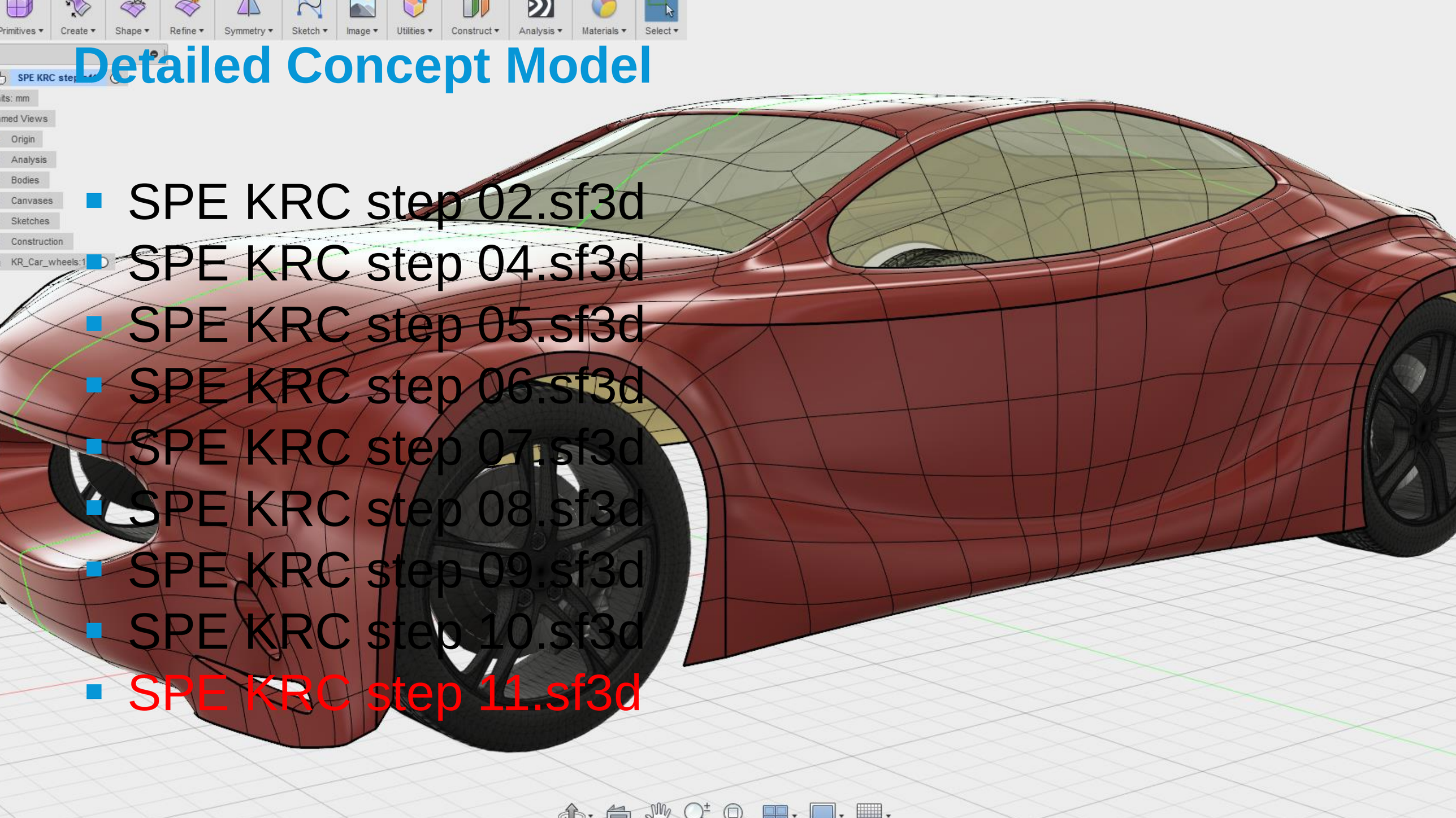


Add Details

Detailed Concept Model



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- SPE KRC step 10.sf3d
- SPE KRC step 11.sf3d

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