

Joel Fallon – Portfolio 2025

<https://asteratelier.studio/>



Creative Wave 2014-2017
Byton 2017-2018
Freelance 2018-2019
Lucid Motors 2020-2024

Intro

10+ years in design surfacing for production and concept vehicles. Specialized in interior freeform development, high-quality topology, and maintaining design intent while ensuring feasibility.

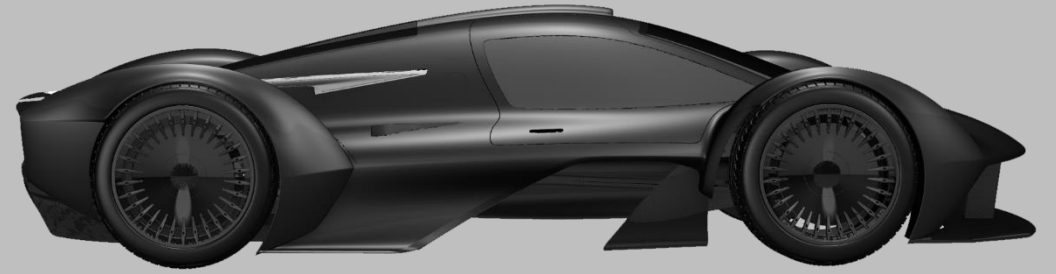
LUCID



PORSCHE



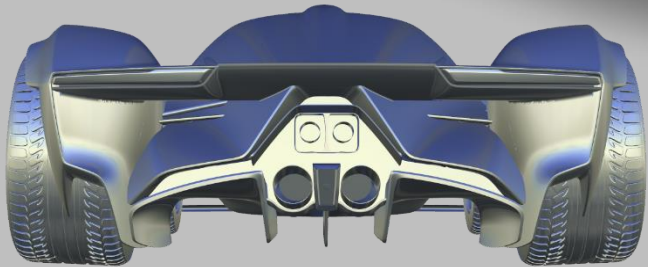
K A R M A

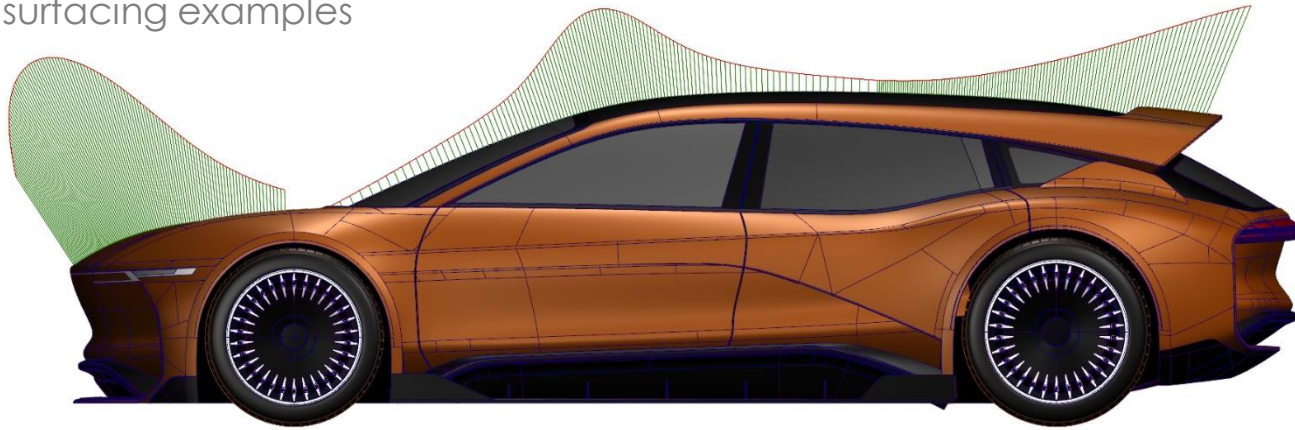


Aster-002.

A hypercar designed with aerodynamic intent. Utilizing a central venturi bulge to shrink-wrap the occupant cell, minimizes frontal profile. Twin-rear extraction tunnels, strakes, and splitters fully modelled.

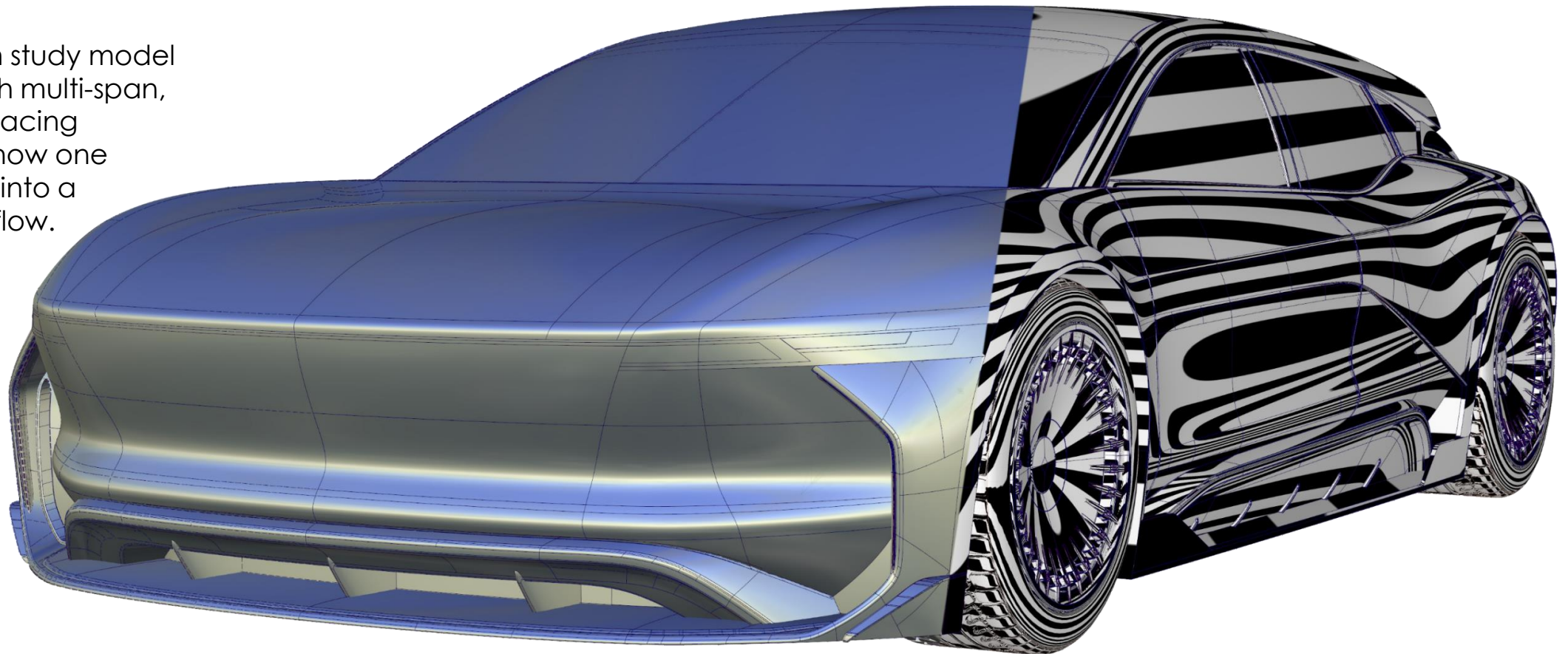
Adrian Newey's aerodynamic styling proved a tremendous technical inspiration for this underbody.





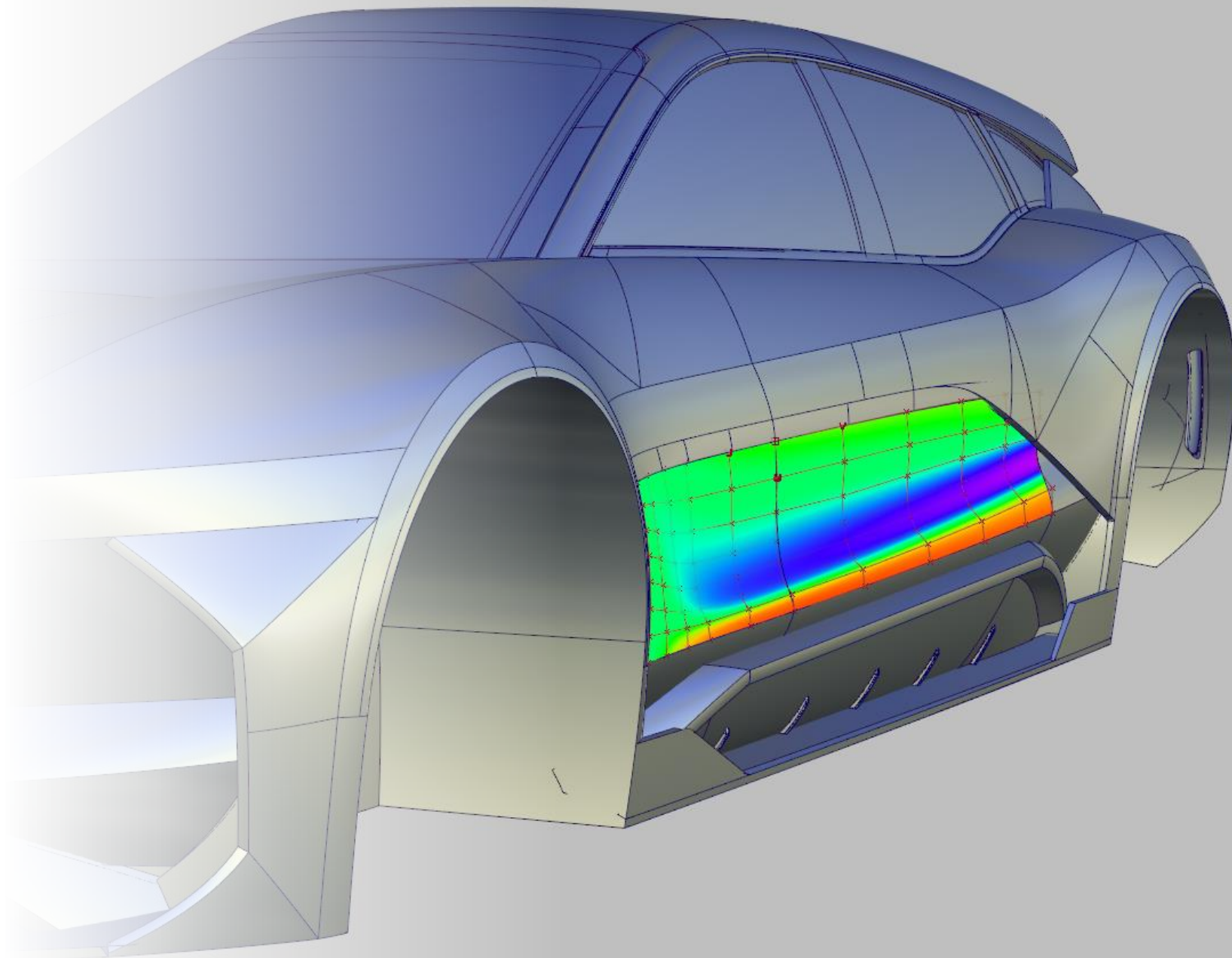
Aster-001.

A personal design study model to experiment with multi-span, and inflection surfacing techniques, and how one might integrate it into a professional workflow.



When modifying inflection patches, Positional-blend alignments via curves enable rapid modifications with great control. While unconventional, this practice can produce highly complex topology in a short amount of time. This allows rapid on-package iterative experimentation.

When used selectively, this surfacing technique becomes a strong development tool for core interior components such as IP topper surfaces, door card features, seats, and steering wheels.



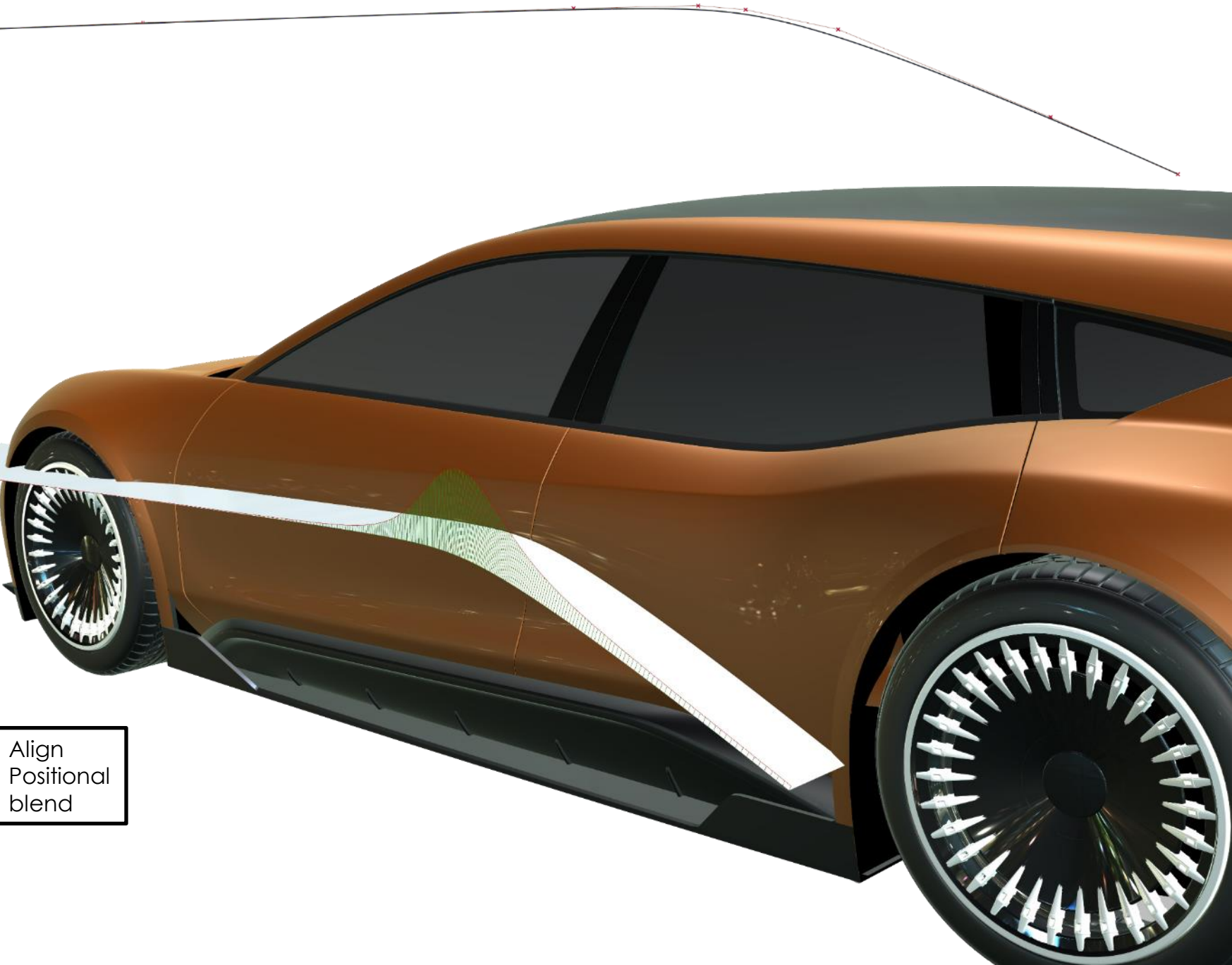
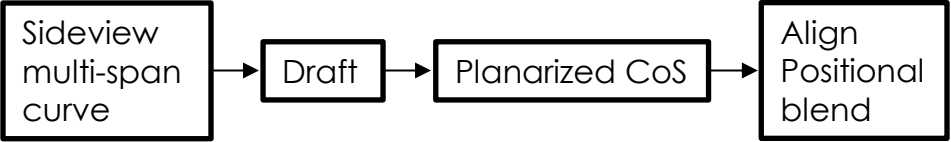
Experimenting with multi-span techniques

Using align positional techniques, surrounding patches can align to multi-span curves/surfaces without upsetting CV structure cohesiveness.

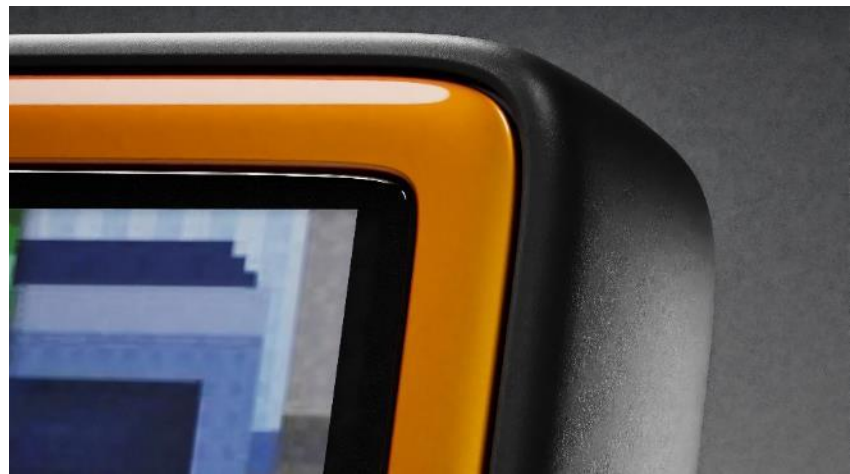
Using multi-span curves to dictate core lines further enable perfect flowing curvature for rapid iterative processes.

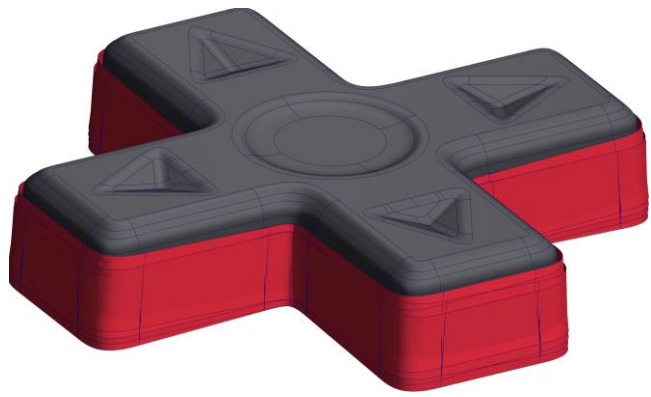
When used in conjunction with proper history paths, topology can update referencing a single planar curve.

e.g:

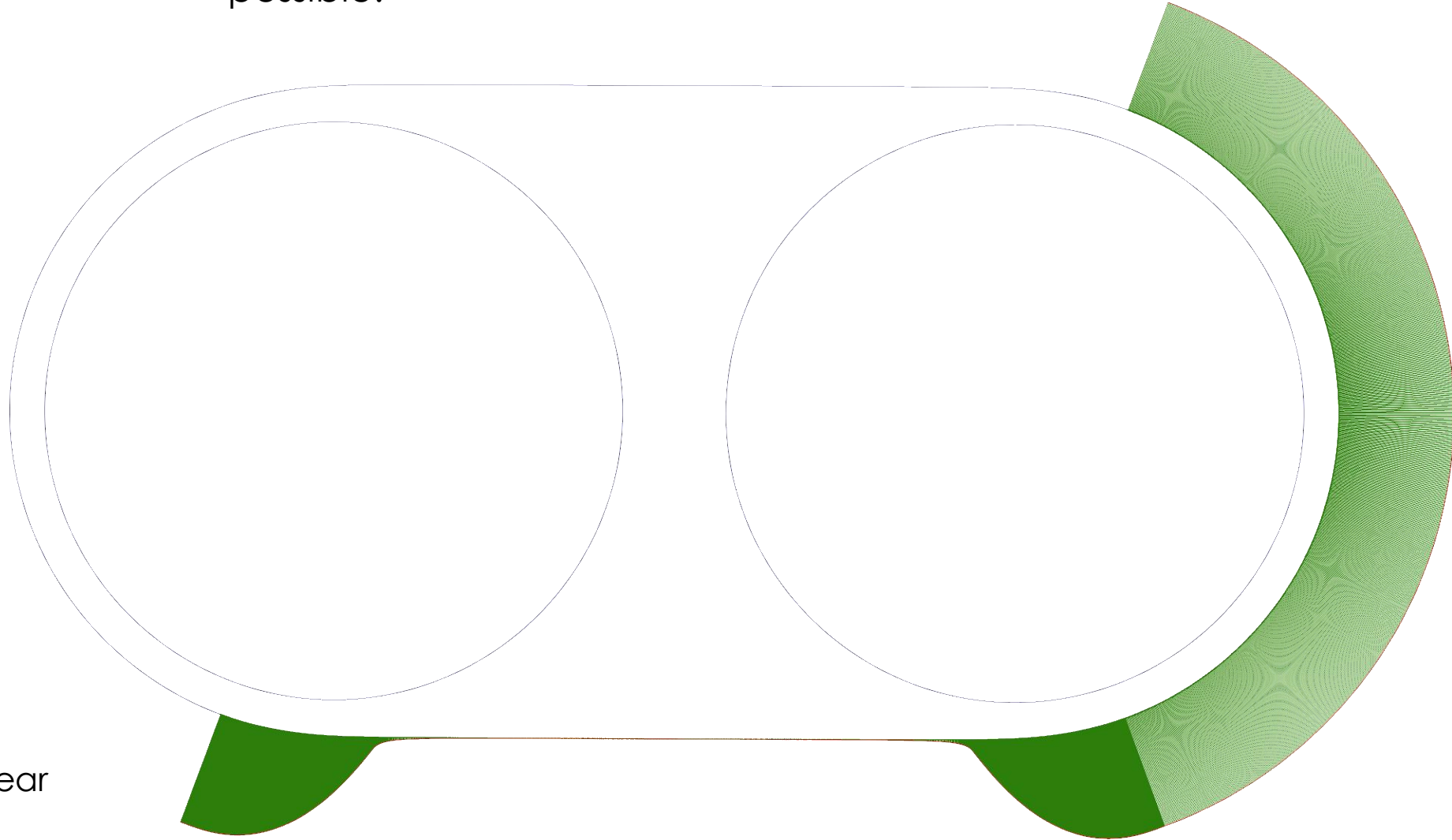








D-pad rotated 2° in each axis, then offset to create a dynamic envelope of clearance. A clean draft is then shrink wrapped to this envelope to ensure gaps are as tight as possible.



Demonstration of a transition between a true circle into a linear curve with careful lead-in.

2025.03

K A R M A

CAS modeler, rapid prototyping, Headed AI concept design strategy and development for 3d department

KARMA Amaris interior

IP parts, Steering wheel (final build), many misc. parts



KARMA Gyesera exterior & interior

Interior concept to A-class in 3 months:
Rear environment, front seat
modifications

Exterior A-class work front & rear fascia,
rocker, hood within the same 3 month
timespan



Lucid Gravity

-Interior

Steering Wheel from concept to advanced production phase. Comprehensive understanding of all packaging constraints relating to Steering wheel

Complete interior concepts during concept exploration phase

-Exterior

Complete exterior concept studies

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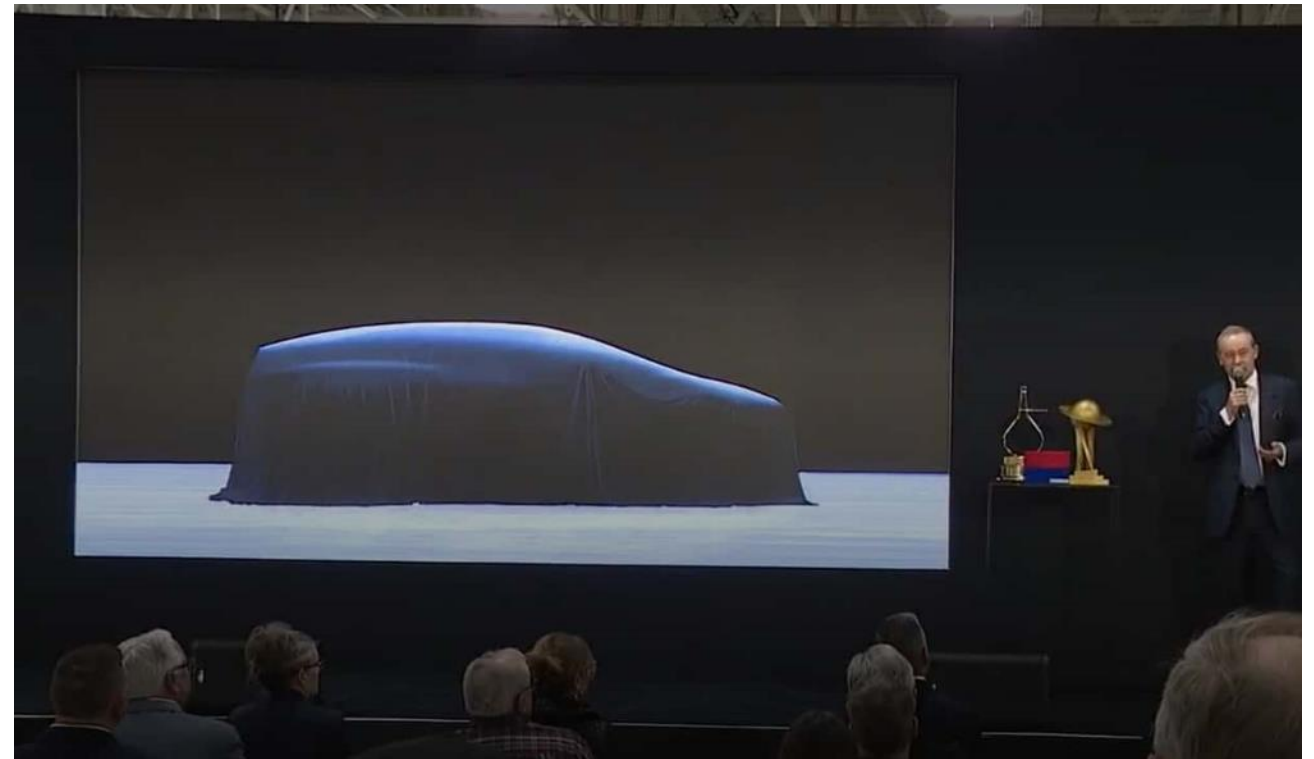
Lucid Mid-Size project

Numerous complete interior concepts
Comprehensive understanding of interior packaging constraints for doors, center console, IP, air vents.

Instrument Panel part ownership from project kickoff, full scale models

Lucid Air

Interior executive seat layout concept work
Exterior Sapphire wheel spats
Aero wheel work



08.2017 – 11.2018 Byton M-Byte & K-Byte



Exterior

Showcar: Aurora Roof LIDAR Unit, Rims,
Front fascia, Rear end, Rocker.

Interior

Production Steering wheel,
Door/console work



2015/17 – Next-EV NIO

Strong involvement of Interior
& light Exterior work
throughout concept & Pre-
production phase.

Interior: Middle Console,
Upper Trim, Upper trim parts,
Overhead Console, Speaker
Cover, Trunk flanges.

Exterior: Front Fascia concept,
Underbody



10.2014 – 04.2015
BMW Z4

BMW Z4 (Loops 1-3)

Interior: Complete Door, Roll bars, Parts of
Middle Console

Exterior: Early Front end work during loop 1
phase

