

● INDEPENDENT DESIGN STUDIO — MLADÁ BOLESLAV

A SKETCH, THAT GROWS INTO AN ICON.

EXPERIENCE

5+ years

CONFIDENTIALITY

NDA

HOW WE WORK

Sketch → surface → data

ICON

I design cars, products, and robots. Every concept starts as a pencil sketch and ends as 3D data that's ready for production. Everything happens under one roof. *Form follows emotion.*

5+

YEARS OF EXPERIENCE

2024

STUDIO FOUNDED





DANIEL NOVÁK — FOUNDER & DESIGNER

DANIEL NOVÁK

FOUNDER & DESIGNER · AUTOMOTIVE & INDUSTRIAL DESIGN

I'm eighteen and I run my own design studio. I've been designing for over five years — I started with sketches, and today I own the whole process, right through to production-ready data. I design car concepts, motorsport parts, carbon components, products, and robots.

I spent ten months working on projects at Aufeer Design. That's where I learned how to define surfaces to true automotive quality — precise enough to satisfy engineers — and I hold every project to that same bar.

Every project stays with me from start to finish. You deal with one person throughout, so your vision never gets lost along the way.

5+

YEARS OF DESIGN EXPERIENCE · STUDIO FOUNDED

2024

EXPO 2025

LIVE VR PRESENTATION

2024/25

PRESTIGE AWARDS · WINNER

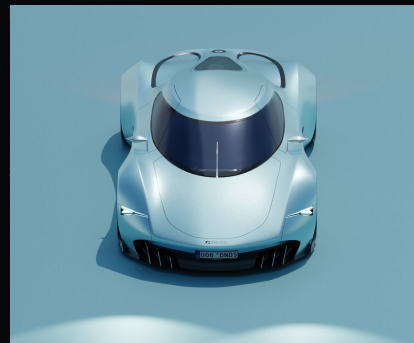
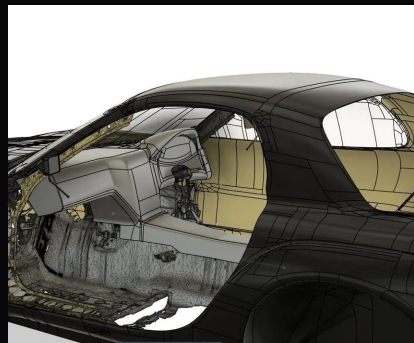
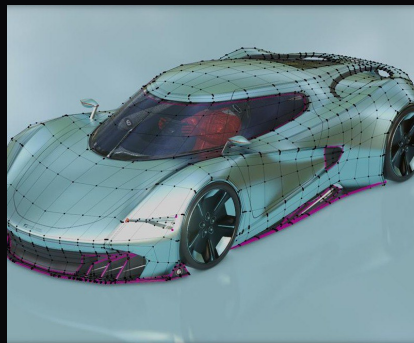
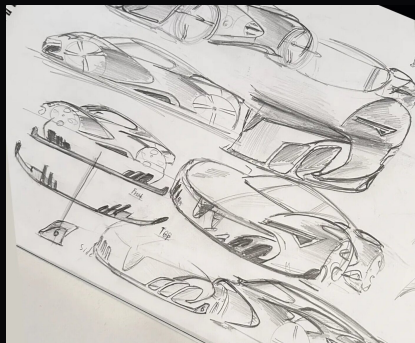
WHAT WE OFFER

01	Automotive design	Concept sketches, 3D models, and renders that put your car in its best light.
02	Product & industrial design	A complete product process — CAD data, drawings, and patent documentation.
03	Motorsport & aerodynamics	Parts and surfaces that perform on the track, not just on screen.
04	Robotics & URDF	Robot design, including the kinematic model needed for simulation.
05	Visualization & presentation	Renders viewable at true scale in VR and AR.
06	Livery & paint schemes	Paint schemes for aircraft, cars, and motorcycles.



PROCESS

SKETCH → SURFACE → DATA → IMAGE



WORKFLOW SUMMARY

01 Concept sketches

Several directions to choose from — you pick the one that's yours.

02 3D surfaces

Clean surfaces that hold up to engineering scrutiny.

03 CAD data

Production data for the design direction we develop together.

04 Renders & visualization

Images for your website, investor decks, and portfolio.

05 Drawings & documentation

Technical drawings, patent documentation, or paint-shop files.

06 AR preview

View the design at true 1:1 scale wherever you are, right from your phone.

07 Robotics & URDF

Robot design including kinematics — a second discipline we've been building for two years.

08 Color & material design

Color scheme design for motorsport, aircraft, cars, and motorcycles.

WHO IT'S FOR

Manufacturers with a technically finished product who want it to look as good as it performs.

Engineers and startups who need a reliable partner for concepts, vision, data, or visualization.

Motorsport and one-off builds — aero, carbon, interiors, paint, motorsport.

ADDITIONAL SERVICES

Carbon part manufacturing, CNC machining, 3D scanning, and reverse engineering.

● THESE SERVICES ARE PROVIDED THROUGH MY PARTNER NETWORK



06 ENTALPIA

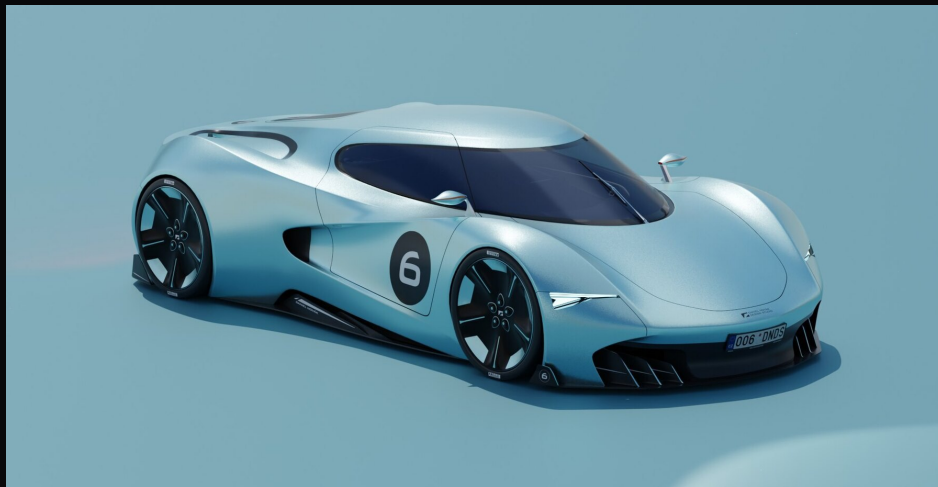
DNDS SHOWCAR

06 ENTALPIA

VEHICLE CONCEPT · STUDIO SHOWCAR

Entalpia is my own project, and the clearest showcase of what I can do in automotive design. It started as a sketch, then gained 3D surfaces and a platform, and finally photorealistic renders and true-scale AR data that brought the concept to life in the digital world at 1:1.

CLIENT	In-house studio project
CATEGORY	Vehicle concept · showcar · small series
SCOPE	Sketches · 3D surfaces · platform packaging · renders
STATUS	Finished 3D model, renders, AR data



THE IMAGE THAT SELLS THE DESIGN.

Renders, composites into real photos, and true-scale AR/VR data. Your client sees the car or product before the first part ever gets made.

1:1 Feedback

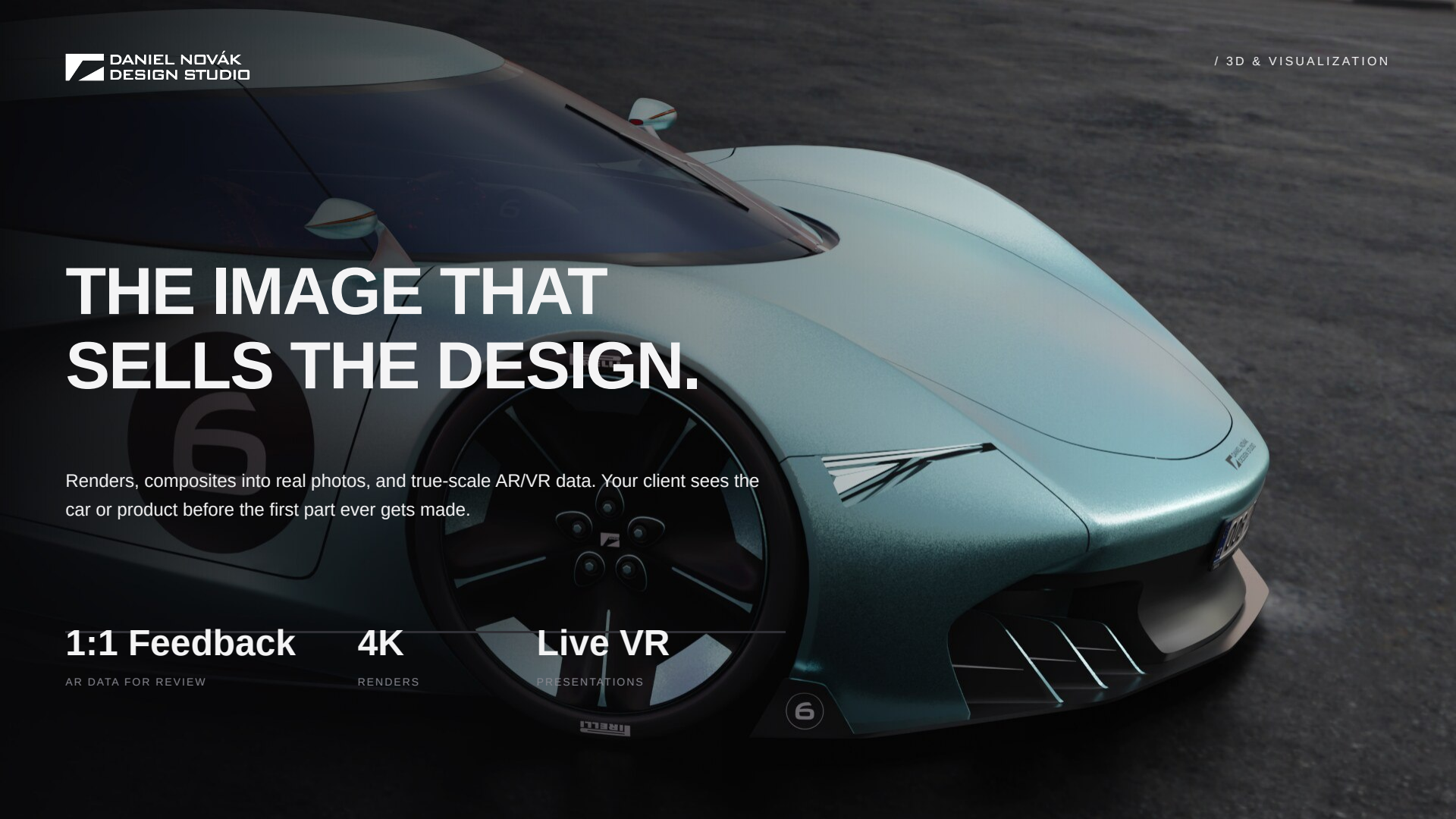
AR DATA FOR REVIEW

4K

RENDERS

Live VR

PRESENTATIONS



SELECTED WORK

CLIENT PROJECTS ·



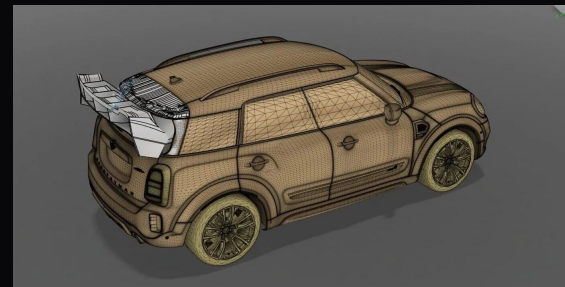
01 Vans RV-8

AVIATION · LIVERY DESIGN



02 Mazda RX-7 Racing

MOTORSPORT · AERODYNAMICS · F3D



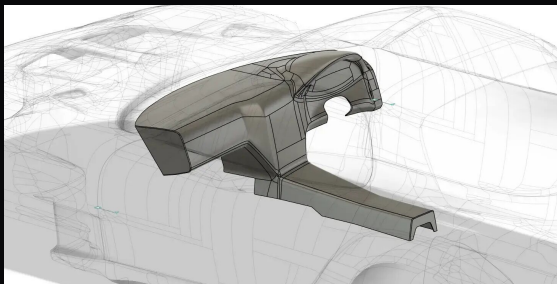
03 Mini Cooper — WRC Wing

CUSTOM PART · 3D DATA



04 BMW Carbon Airbox

CARBON · PRODUCTION DATA



05 Carbon Dashboard

INTERIOR · RHD CONVERSION



06 HotBoots

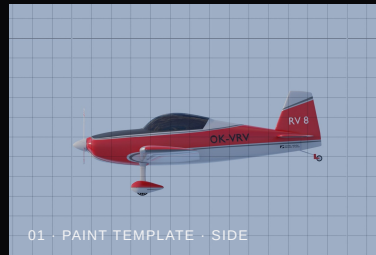
PRODUCT DESIGN · PATENT

VANS RV-8 — LIVERY DESIGN

AVIATION · COLOR CONCEPT · PAINT SHOP DOCUMENTATION



For the owner of a Vans RV-8 ultralight aircraft, I designed the complete livery. We started with color concepts and sketches, then chose the final version through 3D visualizations, and the paint shop received the templates it used to spray the aircraft.



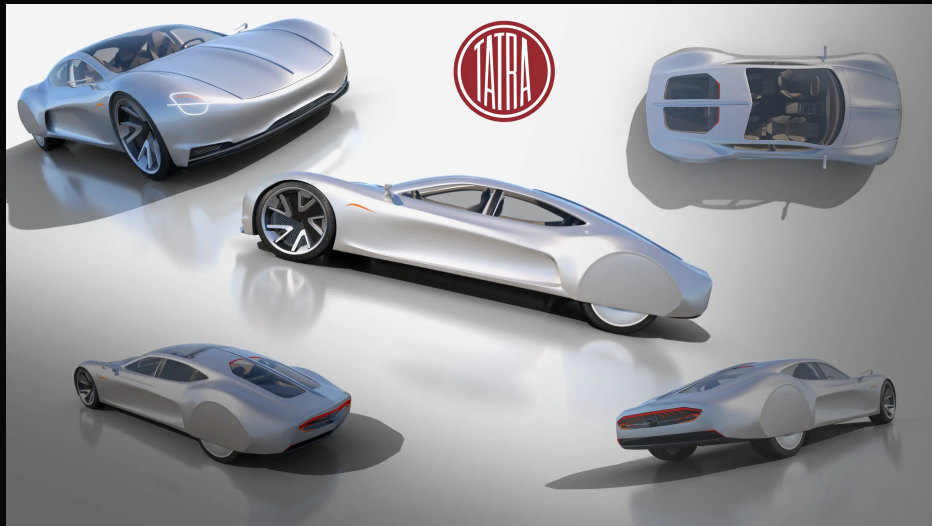
I ALSO DESIGN LIVERIES FOR CARS, MOTORCYCLES, AND RACING TEAMS

"Working with Daniel on the design of our Vans RV-8 was excellent — a professional approach, a precise design, and a result that exceeded our expectations."

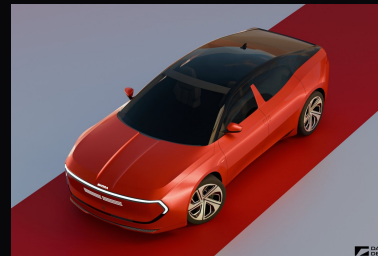
— MIROSLAV HIRŠL, AIRCRAFT OWNER

GARÁŽ CZ

RETRO-MODERN VISIONS OF CZECH ICONS · FOR MEDIA



For the Garáž.cz editorial team, I imagine how Czech automotive icons might look today — the Škoda Favorit, Rapid, 110R, Jawa 350 OHC, or Tatra. From sketch to a render that goes straight into the article.



"Daniel is a valuable design partner for Garáž.cz — he regularly delivers high-quality redesigns of classic cars. His feel for historical detail combined with a fresh approach makes his work stand out."

— THE GARÁŽ.CZ EDITORIAL TEAM

MOTO KNÉBL

CUSTOM PARTS FOR MOTORCYCLES



01 · CUSTOM BUILD

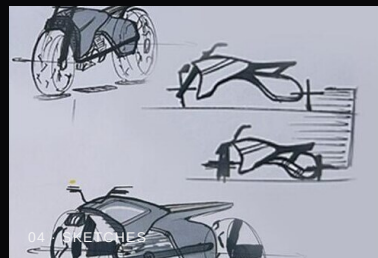
I've worked with Moto Knébl for years — on a custom-built motorcycle and a series of bespoke parts. We scan the part, I rebuild it as clean surfaces, refine both form and function, and hand over data that's ready for production right away.



02 · BRAKE COOLING SHROUD



03 · EXHAUST HEAT SHIELD



04 · HEADLIGHTS



05 · SEAT & FUEL TANK

WHAT I DELIVER

Part design · reverse engineering and surface reconstruction · surface quality control · production data

PRODUCT & CUSTOM DESIGN

ADAST SYSTEMS · CUSTOM VISIONS · PRODUCT · E-COMMERCE



01 · ADAST SYSTEMS

ADAST Fuel Dispensers

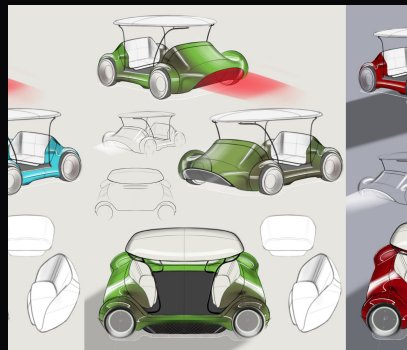
Visualizations and AR data for a manufacturer of fuel-station technology. The new dispensers I designed for them are currently under NDA.



02 · MILAN VOTRUBEC

Custom Vehicle

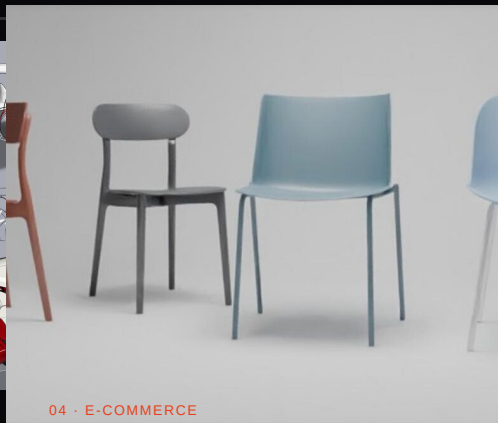
Data and visualization work based on the client's sketches and vision. I prepared color and lighting variants to support an informed decision.



03 · ORLÍK CART

Golf Cart

Sketches, graphic color variants, and a 3D body model for a vehicle built to move around the Orlik resort.



04 · E-COMMERCE

Product Renders

Clean product visualizations for online stores — delivered fast, in every color variant.

CLIENTS & PARTNERS

SELECTED REFERENCES

01 · AUTOMOTIVE DESIGN STUDIO

AUFEER DESIGN

Ten months on projects at a Tier-1 studio. That's where I learned what a professional process and surfaces that hold up really look like — and I bring that into every project.

AUTOMOTIVE DESIGN · CONCEPTS · VISION

02 · CUSTOM AUTOMOTIVE BUILDS

LIESSER MOTORWORKS a.s.

A long-standing collaboration on custom builds — design, 3D surfaces, production data, and AR visualization. Details are under NDA.

DESIGN · 3D DATA · AR · REVERSE ENGINEERING

● MORE COMPANIES

Adast Systems a.s.

INDUSTRIAL DESIGN · AR

Garáž.cz

VEHICLE VISIONS FOR MEDIA

Moto Knébl

CUSTOM PARTS · MOTORCYCLES

HotBoots

PRODUCT DESIGN · PATENT

ADC Carbon

CARBON PARTS · MANUFACTURING

MYC Garage

CUSTOM BUILDS

F3D

MOTORSPORT · MAZDA RX-7

Robowash

ROBOTICS · URDF · DEVELOPMENT

Orlík Cart

GOLF CART

Milan Votrubec

CUSTOM STUDIES

Grieger

GRAPHICS · INTERIOR

Private Clients

AVIATION · PARTS · INTERIORS · AUTOMOTIVE

WHY DANIEL NOVÁK DESIGN STUDIO

FOUR REASONS

01

The whole chain, with me

Sketch, surfaces, data, and renders all come from one place. Nothing gets lost in the handoff between people.

02

Design that's ready to build

I build surfaces so they can go straight into manufacturing — not just make a pretty picture.

03

Speed and direct communication

You talk directly to me. You get options from the very first sketch, and you make the call.

04

NDA as standard

Confidentiality is a given. I work with clients across Czechia, Slovakia, and abroad — remotely or in person.



● CONTACT

SHAPING THE FUTURE.



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