



WHEN OTHERS SAY NOPE

NOPE
Engineering



OVERVIEW

OUR MISSION

THE FOUNDERS

THE TEAM

CONSULTING & SERVICES

WHO ALREADY TRUSTED US

CONTACTS



OVERVIEW

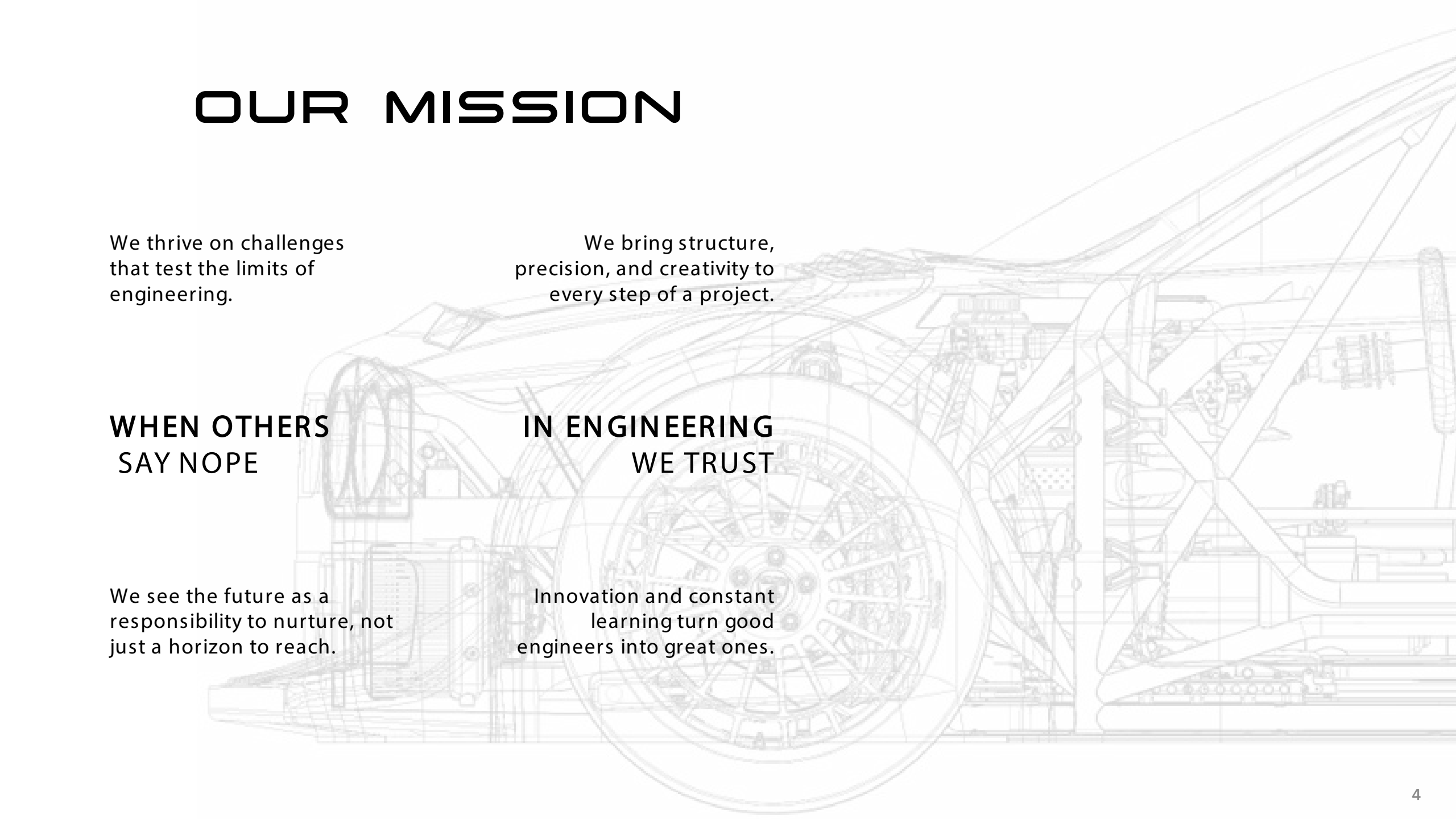
NOPE Engineering means engineering without limits.

We combine design, technology, and trackside know-how to power innovation in motorsport and automotive. Global experience, technical excellence, and a passion for performance drive everything we do.

Passion drives us. Precision defines us. Challenges inspire us.

Where others step back, we step forward.

OUR MISSION

A detailed technical line drawing of a car chassis, showing the engine, transmission, suspension, and frame. The drawing is rendered in a light gray color, serving as a background for the text.

We thrive on challenges that test the limits of engineering.

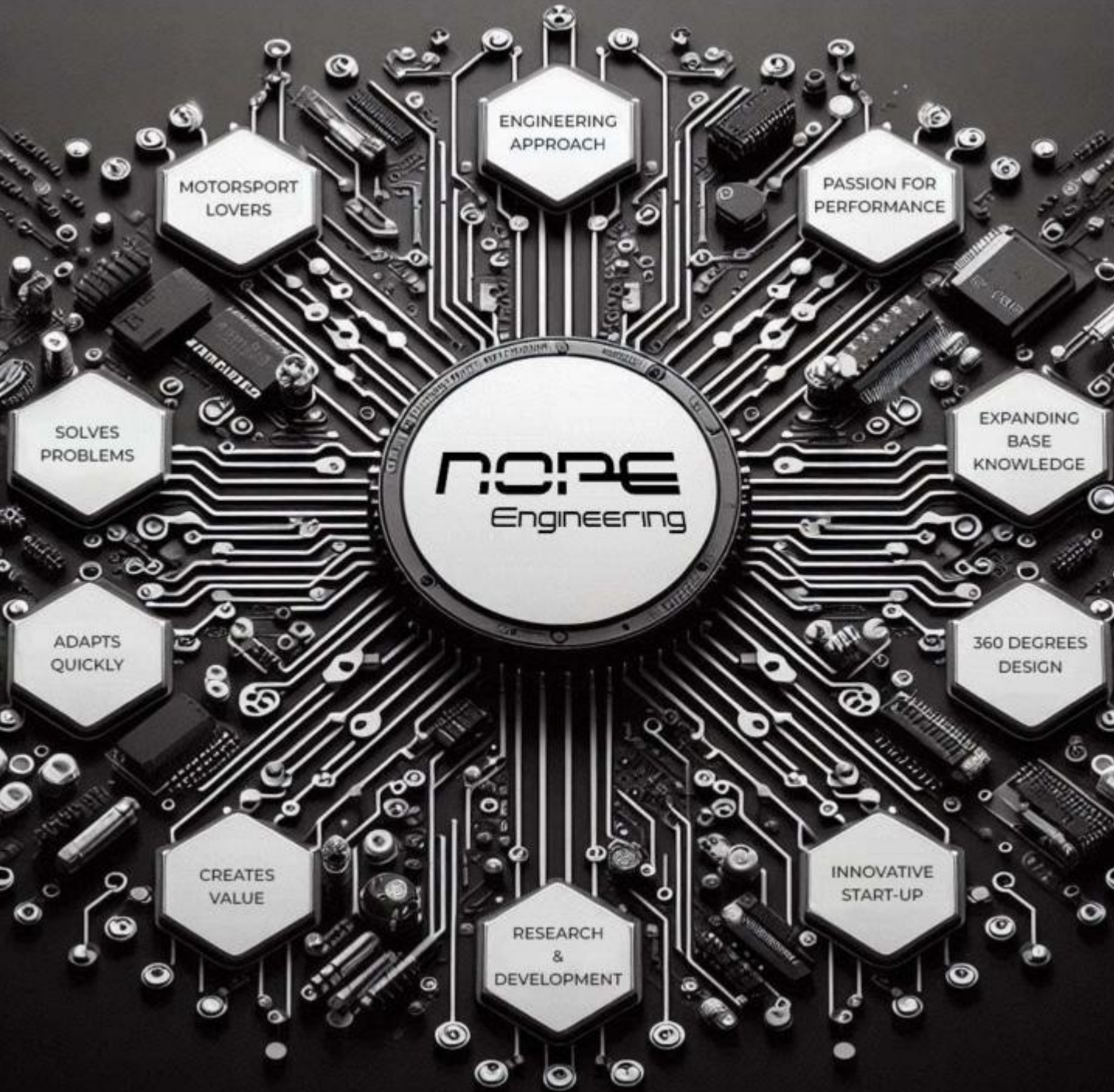
We bring structure, precision, and creativity to every step of a project.

**WHEN OTHERS
SAY NOPE**

**IN ENGINEERING
WE TRUST**

We see the future as a responsibility to nurture, not just a horizon to reach.

Innovation and constant learning turn good engineers into great ones.



THE FOUNDERS



MAURIZIO
SORO



ERIK
TURLEJSKI



FABIO
MAGNANI



MATTEO
LIMONGELLI

THE TEAM



FILIPPO
MECHANICAL ENGINEER
DESIGN / CAE



LORENZO
MECHANICAL ENGINEER
DESIGN / CAE / IT



ALESSANDRO
MECHANICAL ENGINEER
INDUSTRIAL PRODUCT DESIGN & ENGINEERING



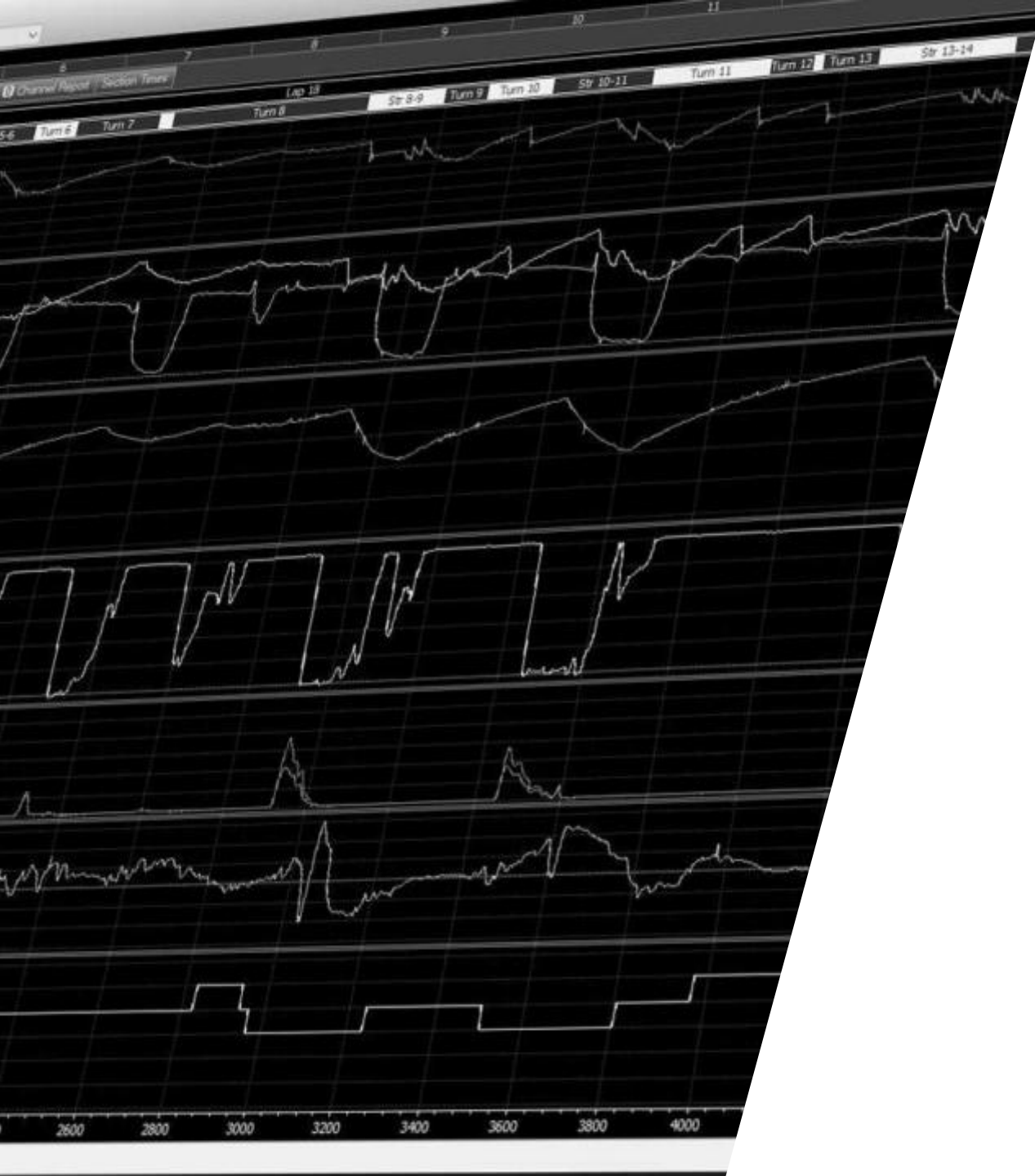
IVAN
AEROSPACE ENGINEER
RACE & PERFORMANCE ENGINEER / CFD



VALENTINA
MECHANICAL ENGINEER
ELECTRONICS / R&D



MARIO
AUTOMATION & CONTROL ENGINEER
ELECTRONICS / R&D



CONSULTING & SERVICES

MOTORSPORT ADVISORY



TRACKSIDE ENGINEER

- Track support for competitions and test days
- Data, video and performance analysis
- Vehicle management and race weekend, report
- Comparison tools for car set-up
- Strategy software and specific management for endurance races
- Coaching



SIMULATION

- Design and assembly of complete systems
- Technical support on professional systems and software
- Mathematical model development, set-up validation test
- Real car vs simulator analysis and comparison
- Development of custom hardware components and software
- Hardware Simulation in The Loop (LapSim, ChassiSim, etc)



SYSTEMS INTEGRATION



HARDWARE & SOFTWARE

- Design & Production of complete wire looms for chassis, gearbox and engine
- Sensor looms
- Extensions and modification of existing looms
- Installation and integration of ECU, Powerbox, Loggers
- Installation of Dashloggers
- Integration of Telemetry



CUSTOM SOLUTIONS

- Design and production of custom, one off modules
- Development of customised interfaces
- Data station with multi-hardware solutions and interfaces



SOFTWARE DEVELOPMENT

- Software solutions coding, from sequential algorithms to customised GUI
- Standalone applications
- Client – Server applications



VEHICLE DYNAMICS



- Kinematic analysis tools (multibody methodology)
- Virtual 7-post rig
- Structure variations analysis
- Comparison tools for car set-up
- MatLab applications
- Reverse engineering
- Dedicated models for suspension, vehicle inertia, transmission, aerodynamics and subsystems



```
elseif isscalar(unique(selected_cars)) && ~isscalar(unique(selected_sessions))
    graph_names = selected_sessions;
else
    graph_names = selected_sessions+" "+selected_cars;
end
graph_names = reshape(graph_names,1,[]);
```

%% BASIC LIFE CHAPTER

```
% create chapter for KPI recap
ch1 = Chapter(TemplateSrc=which('NOPE_Chapter.htmxtx'));
% assign title to chapter
ch1.Title = sprintf('Life Basics');
```

```
% WATER TEMP PLOT
% define plotting options
KPI_name = "t_wat_eng_WCM";

opt.reflines = {75 105};
opt.xlabel = "LAP";
opt.ylabel = "Water Temperature [°C]";
opt.title = "Water Temperature lap evolution";
opt.mode = 'markers+lines';
```

```
[lap_vectors,KPI,opt] = KPI_maxminavg_extract_byLap(event,selected_sessions,selected_cars,KPI_name,"Lap",opt);
```

```
% call plot function
```

```
[fig_list, placeholders,ch1] =KPIplot_PLOTLY(lap_vectors,KPI,fig_list,opt, placeholders,ch1);
```

```
% OIL TEMP PLOT
% define plotting options
KPI_name = "t_oil_eng_WCM";

opt.reflines = {75 125};
opt.xlabel = "LAP";
opt.ylabel = "Oil Temperature [°C]";
opt.title = "Oil Temperature lap evolution";
opt.mode = 'markers+lines';
```

```
[lap_vectors,KPI,opt] = KPI_maxminavg_extract_byLap(event,selected_sessions,selected_cars,KPI_name,"Lap",opt);
```

```
[fig_list, placeholders,ch1] =KPIplot_PLOTLY(lap_vectors,KPI,fig_list,opt, placeholders,ch1);
```

```
clear opt
```

```
% WATER PRESSURE PLOT
```

```
% define plotting options
KPI_name = "p_wat_eng_WCM";

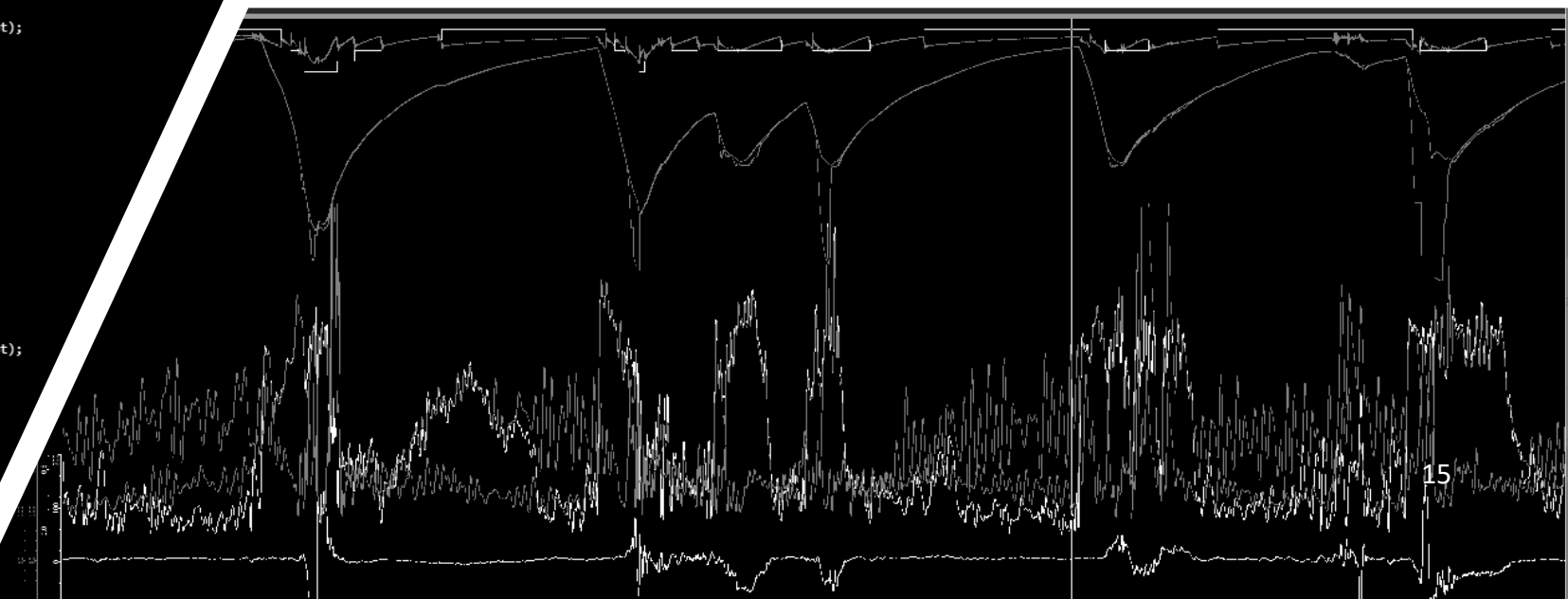
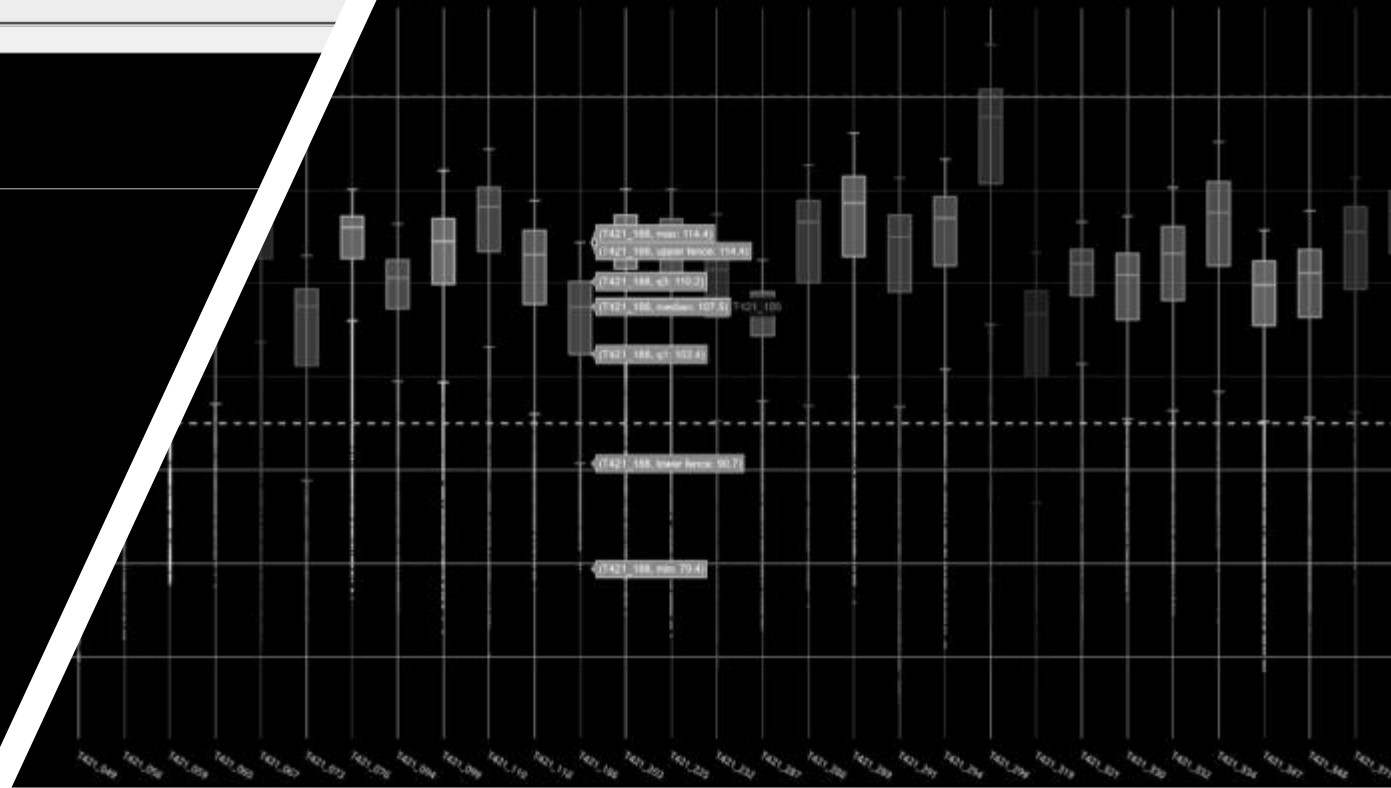
opt.reflines = {0.2 1.5};
opt.xlabel = "LAP";
opt.ylabel = "Water Pressure [bar]";
opt.title = "Water Pressure lap evolution";
opt.mode = 'markers+lines';
```

```
[lap_vectors,KPI,opt] = KPI_maxminavg_extract_byLap(event,selected_sessions,selected_cars,KPI_name,"Lap",opt);
```

```
[fig_list, placeholders,ch1] =KPIplot_PLOTLY(lap_vectors,KPI,fig_list,opt, placeholders,ch1);
```

```
% OIL PRESSURE PLOT
% define plotting options
KPI_name = "p_oil_eng_WCM";

opt.reflines = {4};
opt.xlabel = "LAP";
opt.ylabel = "Oil Pressure [bar]";
opt.title = "Oil Pressure lap evolution";
opt.mode = 'markers+lines';
% extract desired data from the KPI structure
```

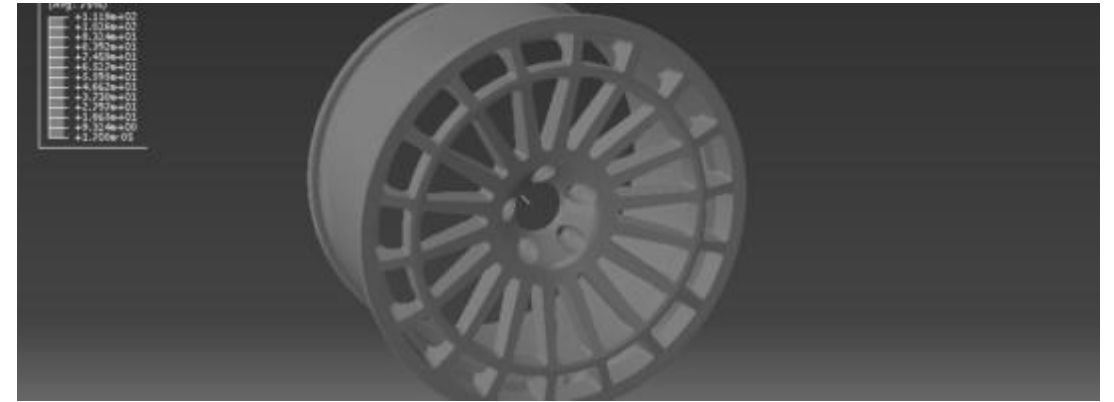


CAD / CAE

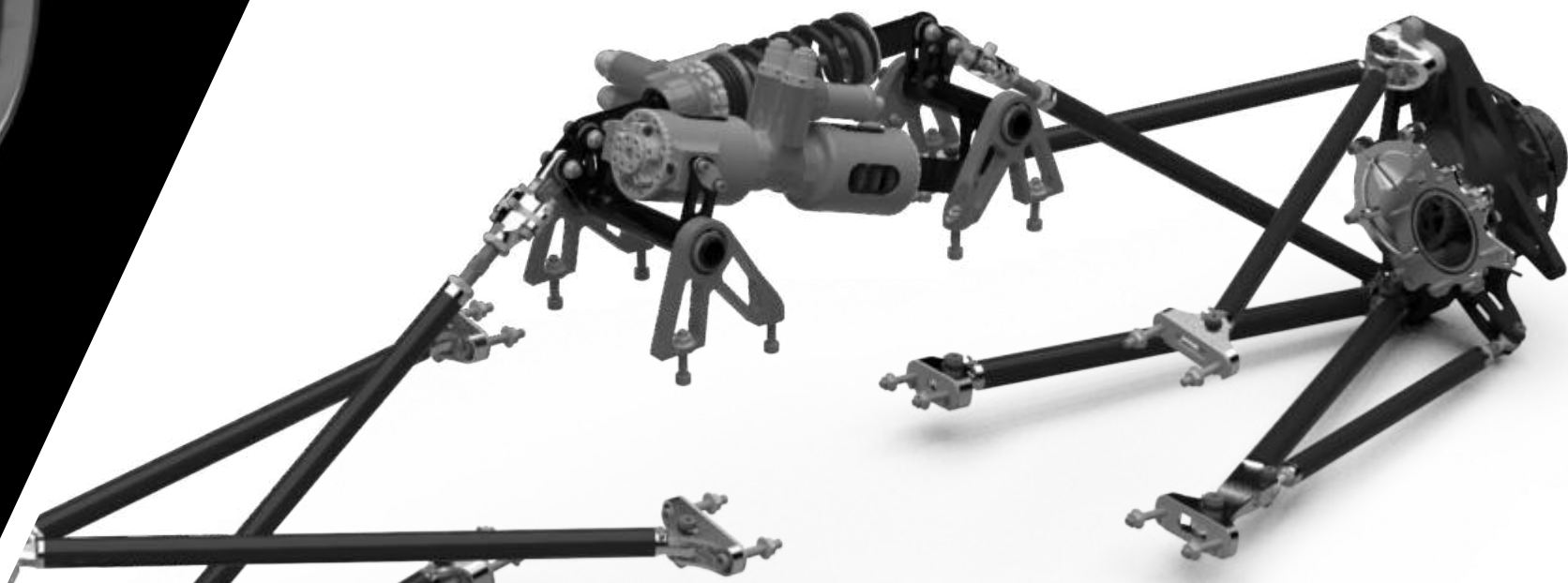
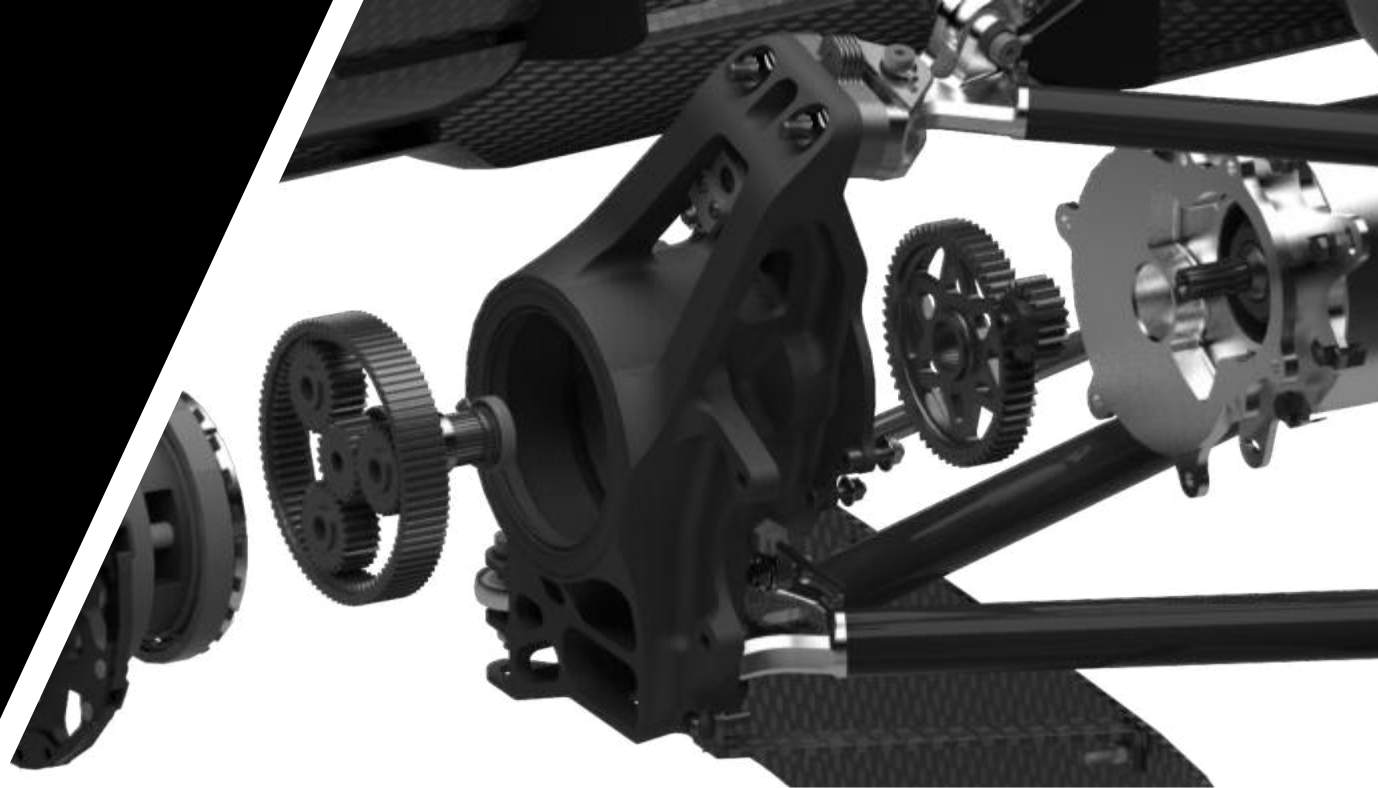
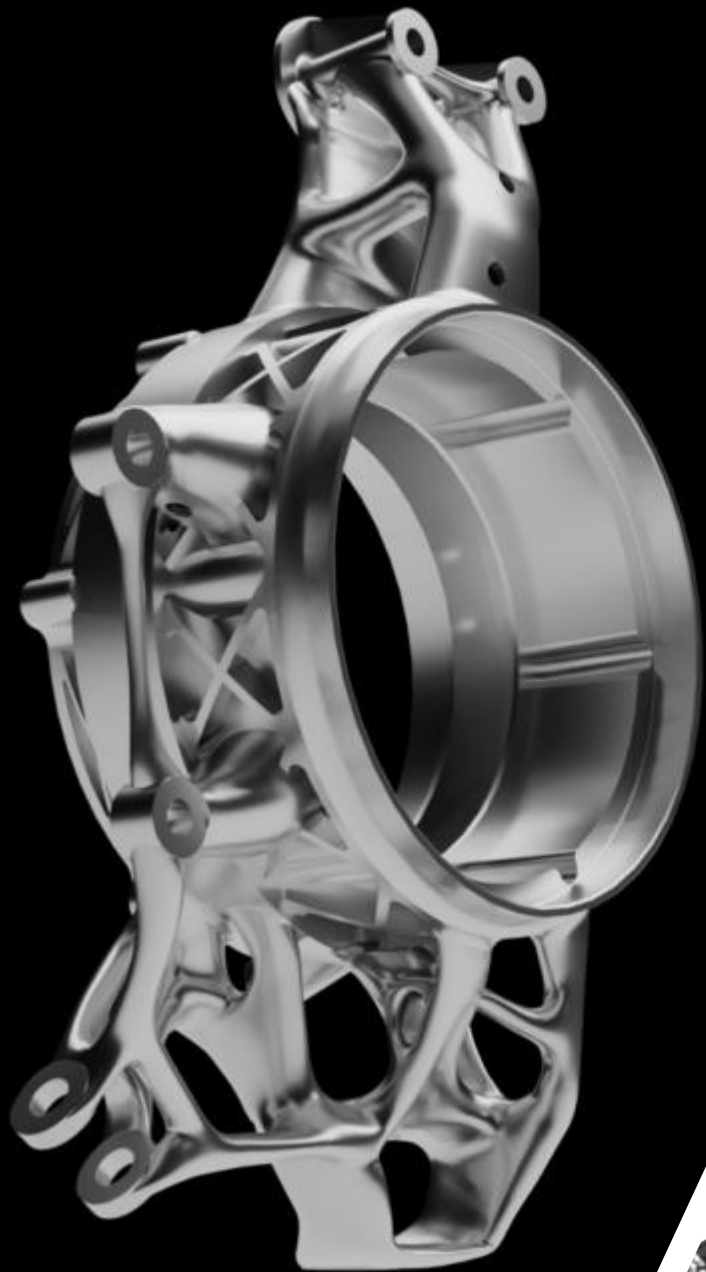


- Conceptual design
- Parametric modeling
- Reverse engineering / 3D laser scanning
- Chassis design
- Rollbar design
- Suspension design
- Bodywork design

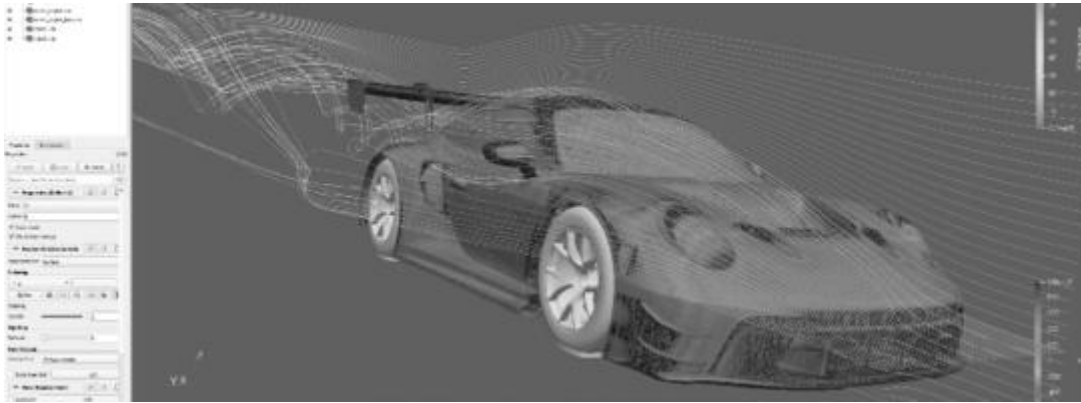
FEM



- Static linear analysis
- Non-linear analysis
- Topological optimization
- Evaluation of components and materials
- Simulation for FIA homologations
- Stress conditions simulation, duration / fatigue analysis
- Torsion analysis and breaking points

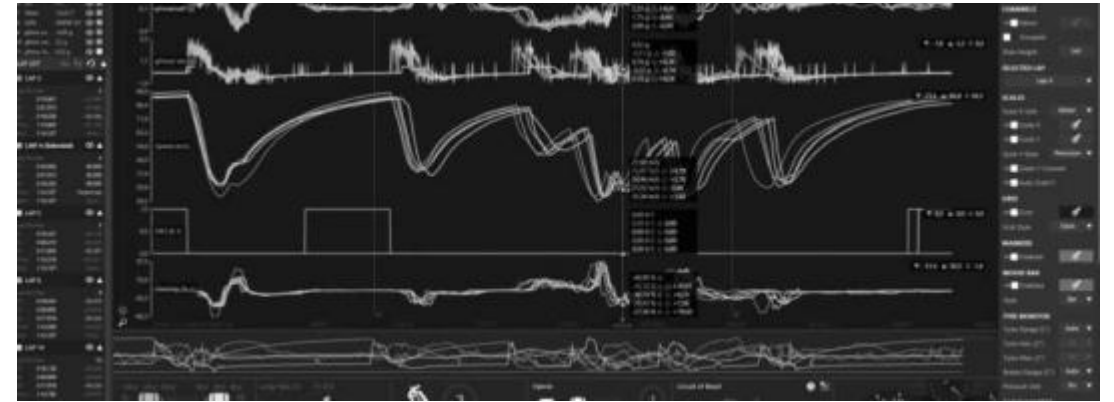


CFD

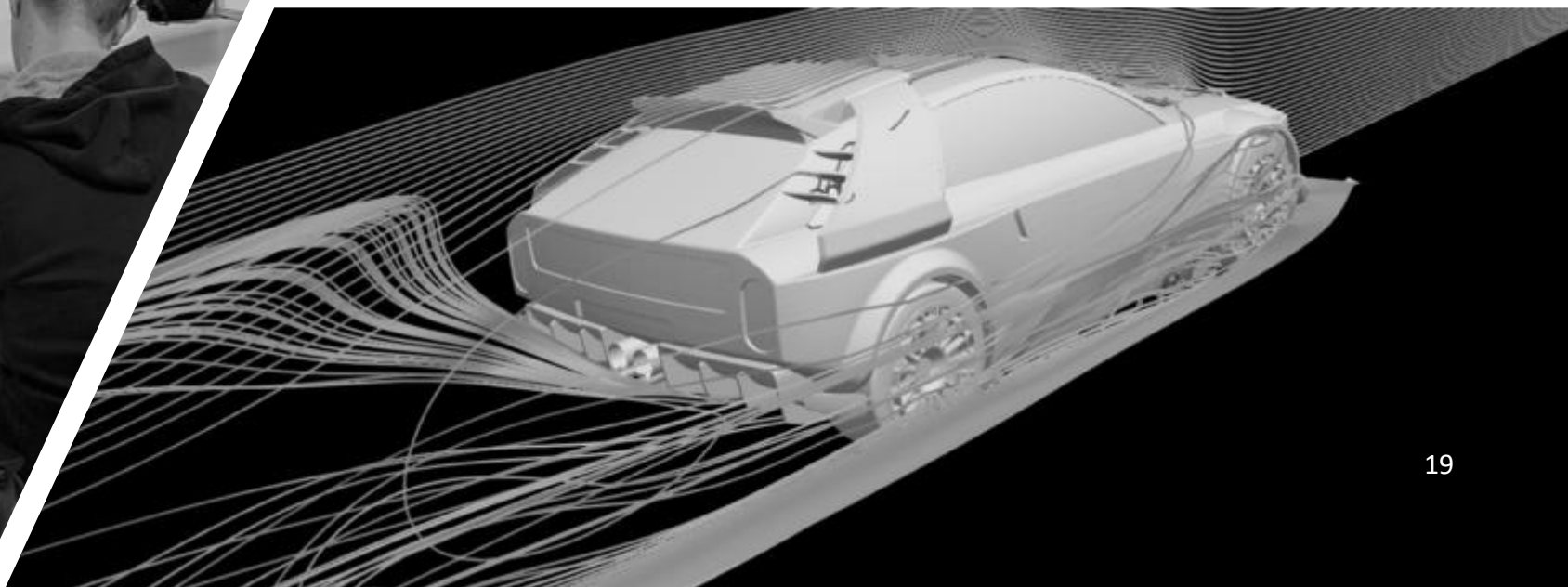


- Aeromaps development and analysis
- Management of the aerodynamic downforce in correlation with the vehicle's performance
- Drag estimation and reduction
- Internal/external fluid dynamics analysis
- Temperature management in correlation with internal flows
- Aerodynamic configuration simulation and analysis
- Temperature and heat exchange management

REMOTE



- Race Engineering
- Data Engineering
- Performance Engineering & Strategist
- Coaching
- Onboard video analysis
- Dedicated software and real-time communication





**WHO
ALREADY
TRUSTED
US**

STORIES OF SUCCESS







WE ARE READY. AND YOU?



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