



WHEN  
SAY NOPE  
OTHERS

**nope**  
Engineering



OVERVIEW

OUR MISSION

THE FOUNDERS

THE TEAM

CONSULTING & SERVICES

WHO ALREADY TRUSTED US

CONTACTS



# OVERVIEW

NOPE Engineering is born from the desire to offer an innovative, professional and highly qualified approach in the motorsport and automotive world, but not only.

A 360 degrees consulting, design and services, custom products developed thanks to a years of collaborations and competitions all over the world.

With enthusiasm. With passion.

To take up the challenge where others say "No".

With uniqueness.

# OUR MISSION

We **accept** highly  
**demanding challenges** in  
the field of engineering

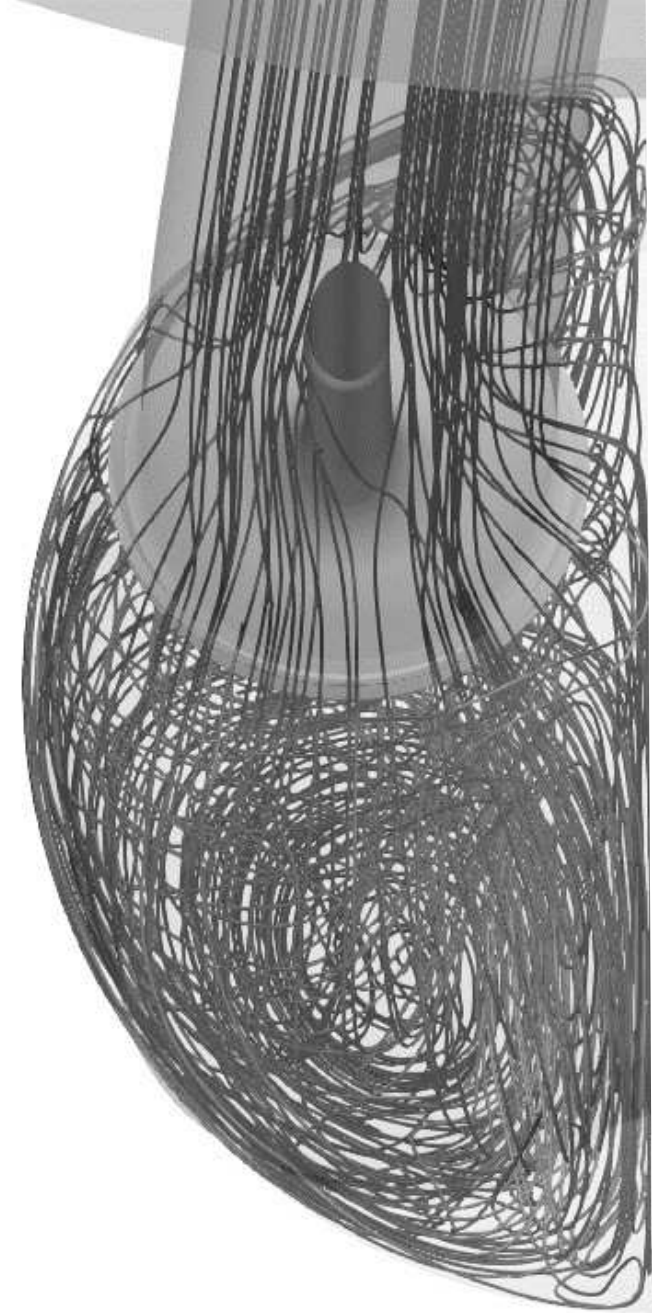
We **apply** the **engineering  
method** to all the aspects of  
the projects

**WHEN OTHERS  
SAY NOPE**

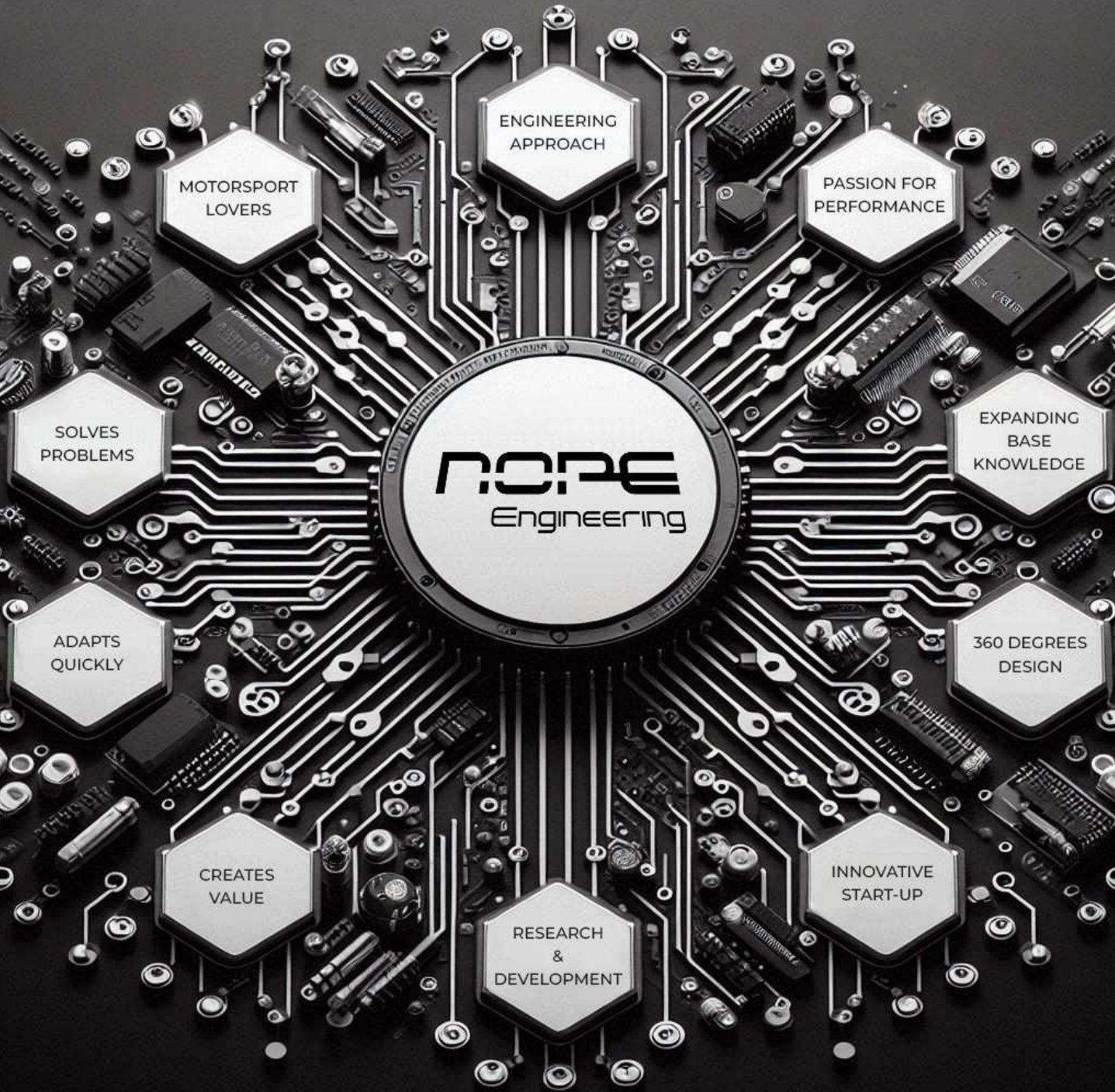
**IN ENGINEERING  
WE TRUST**

We think that **future** is the  
past that we have to **take  
care** of

**R&D** and continuous  
**developing knowledge** is  
the key to have **top level**  
engineers







# 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

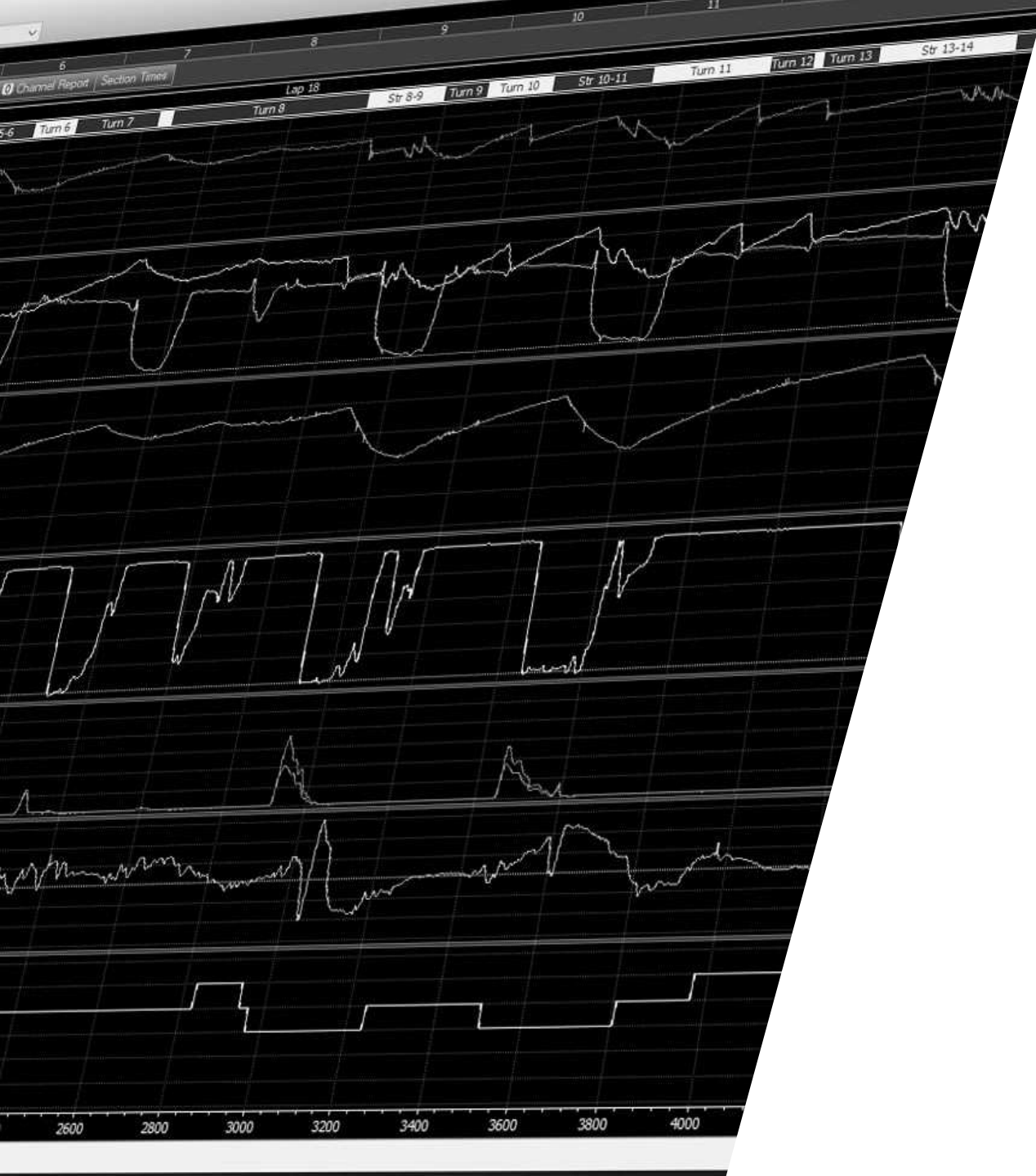


**VALENTINA**  
MECHANICAL ENGINEER  
ELECTRONICS / R&D



**MARIO**  
AUTOMATION & CONTROL ENGINEER  
ELECTRONICS / R&D





# CONSULTING & SERVICES



# PROFESSIONAL MOTORSPORT SERVICES



## RACE & DATA 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)

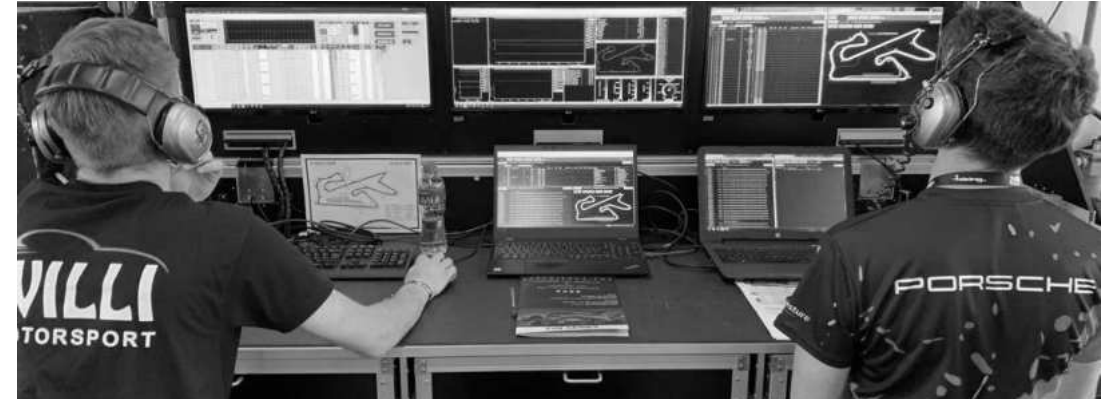


# SYSTEMS INTEGRATION



## HARDWARE & SOFTWARE

- Design & Production of complete wire looms for chassis 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

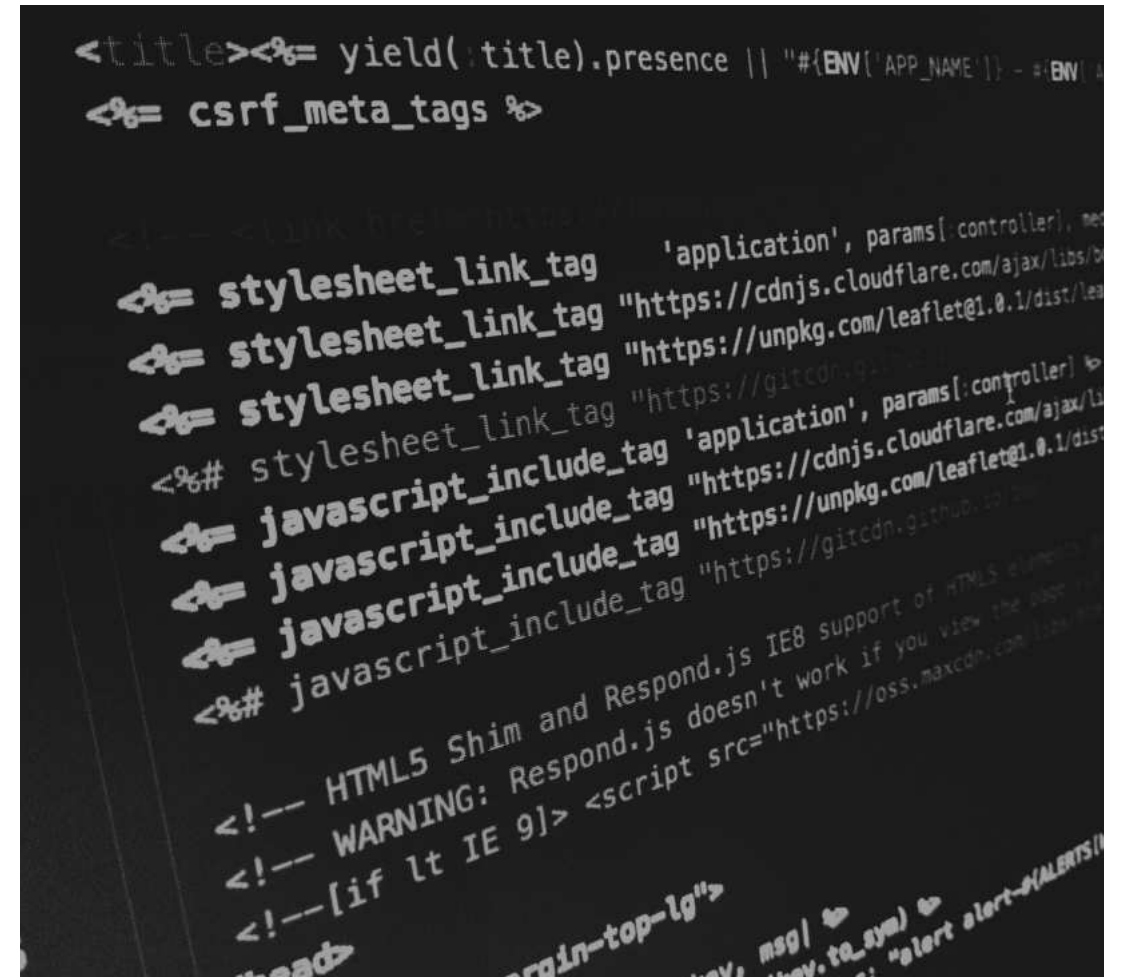
- Design and production of custom, one off modules
- Development of customised interfaces
- Data station with multi-hardware solutions and interfaces





# SOFTWARE DEVELOPMENT

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



# VEHICLE DYNAMICS



- Kinematic analysis of suspension
- 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.htm*'));
% assign title to chapter
ch1.Title = sprintf('Life Basics');

% WATER TEMP PLOT
% define plotting options
KPI_name = "t_wat_eng_WCH";

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_WCH";

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_WCH";

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

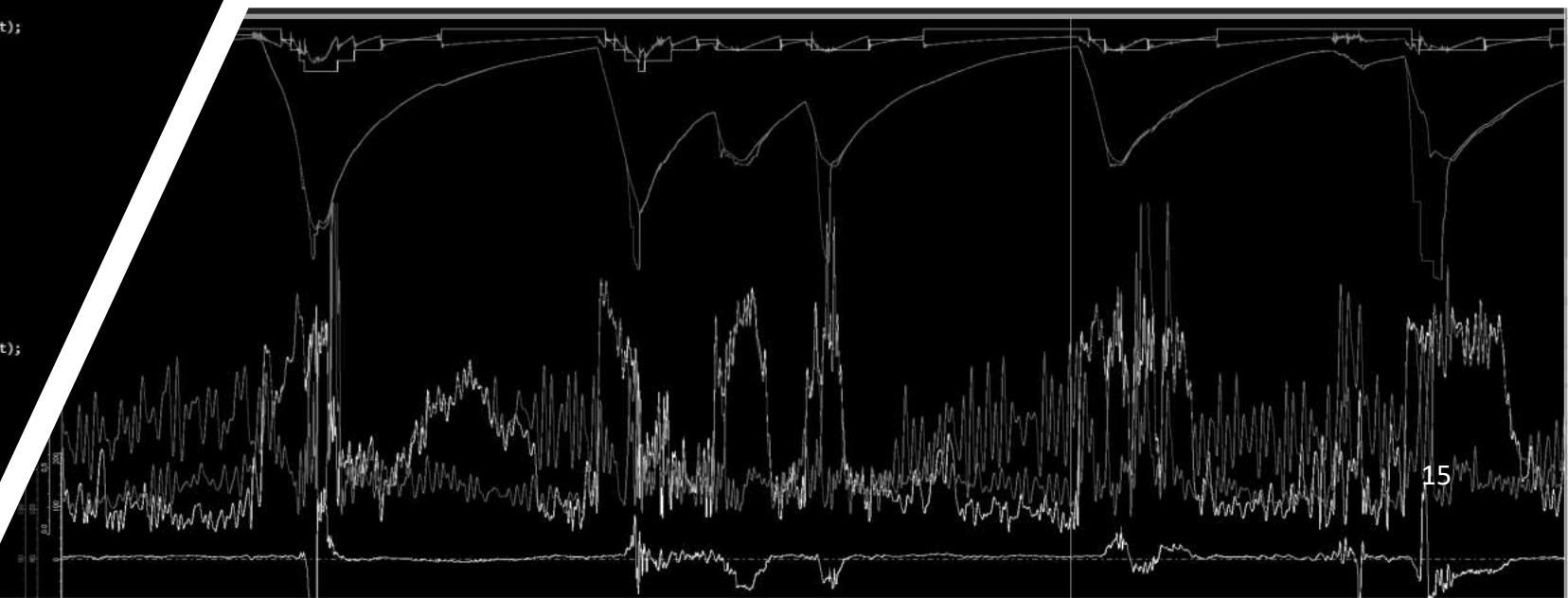
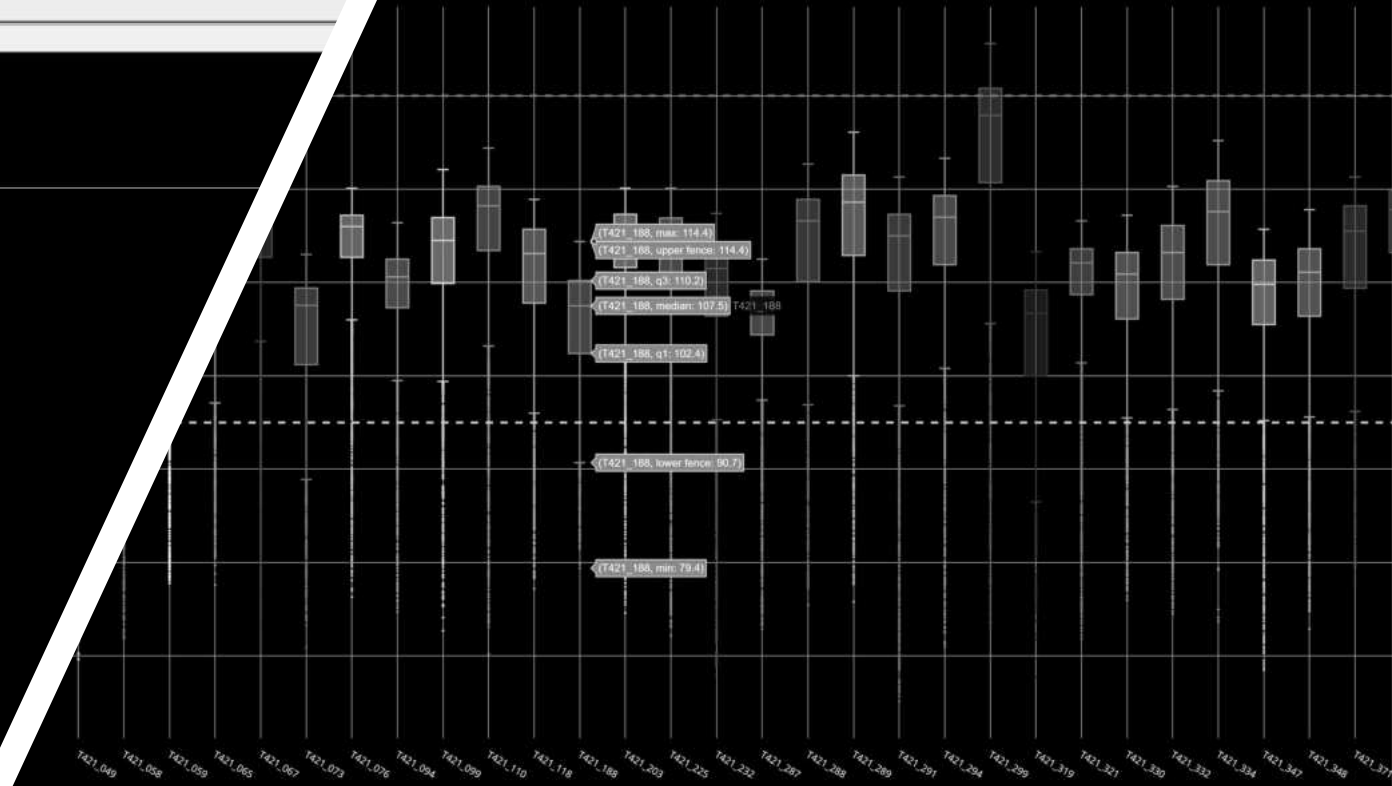
[lap_vectors,KPI,opt] = KPI_maxminavg_extract_byLap(event,selected_sessions,selected_cars,KPI_name,"Lap",opt);

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

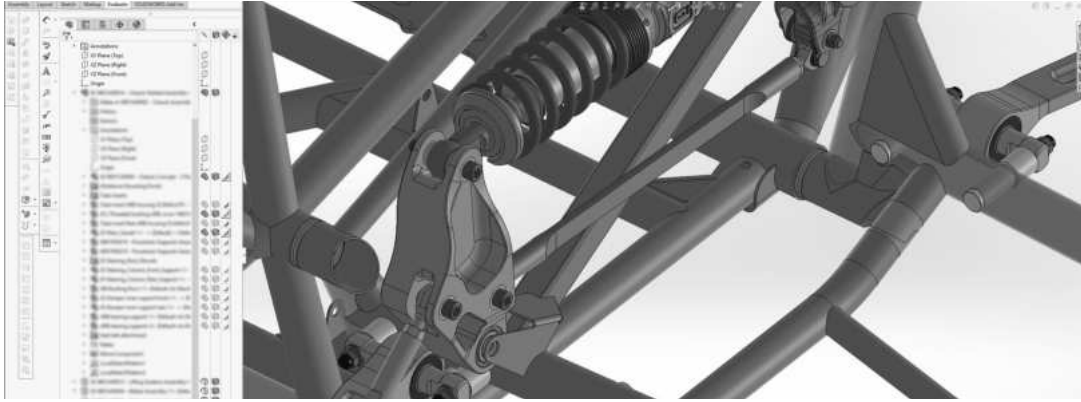
% OIL PRESSURE PLOT
% define plotting options
KPI_name = "p_oil_eng_WCH";

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

```

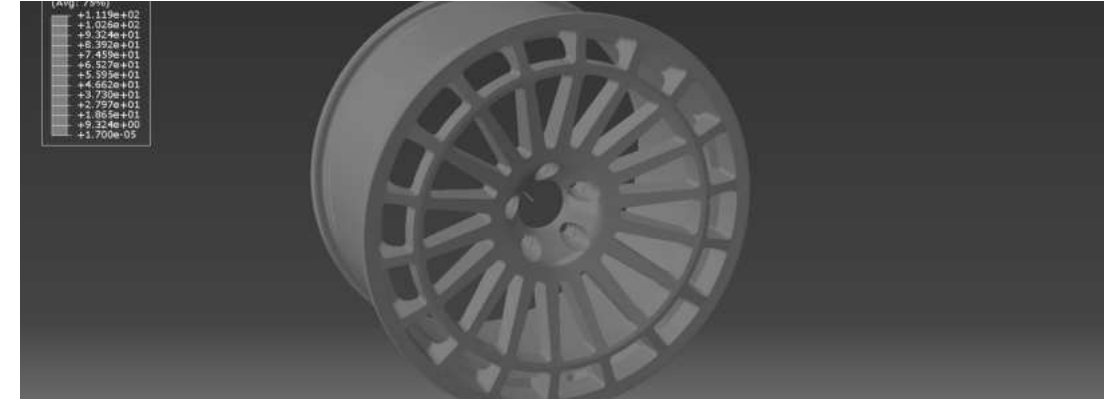


# CAD



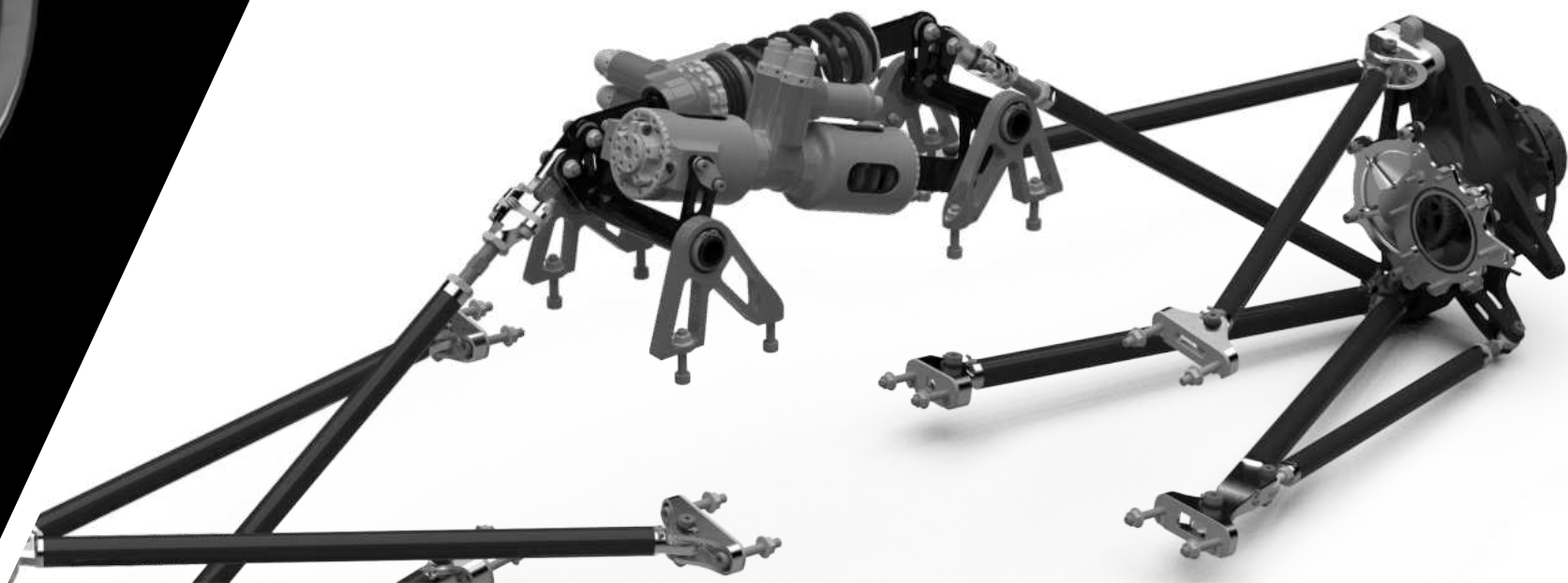
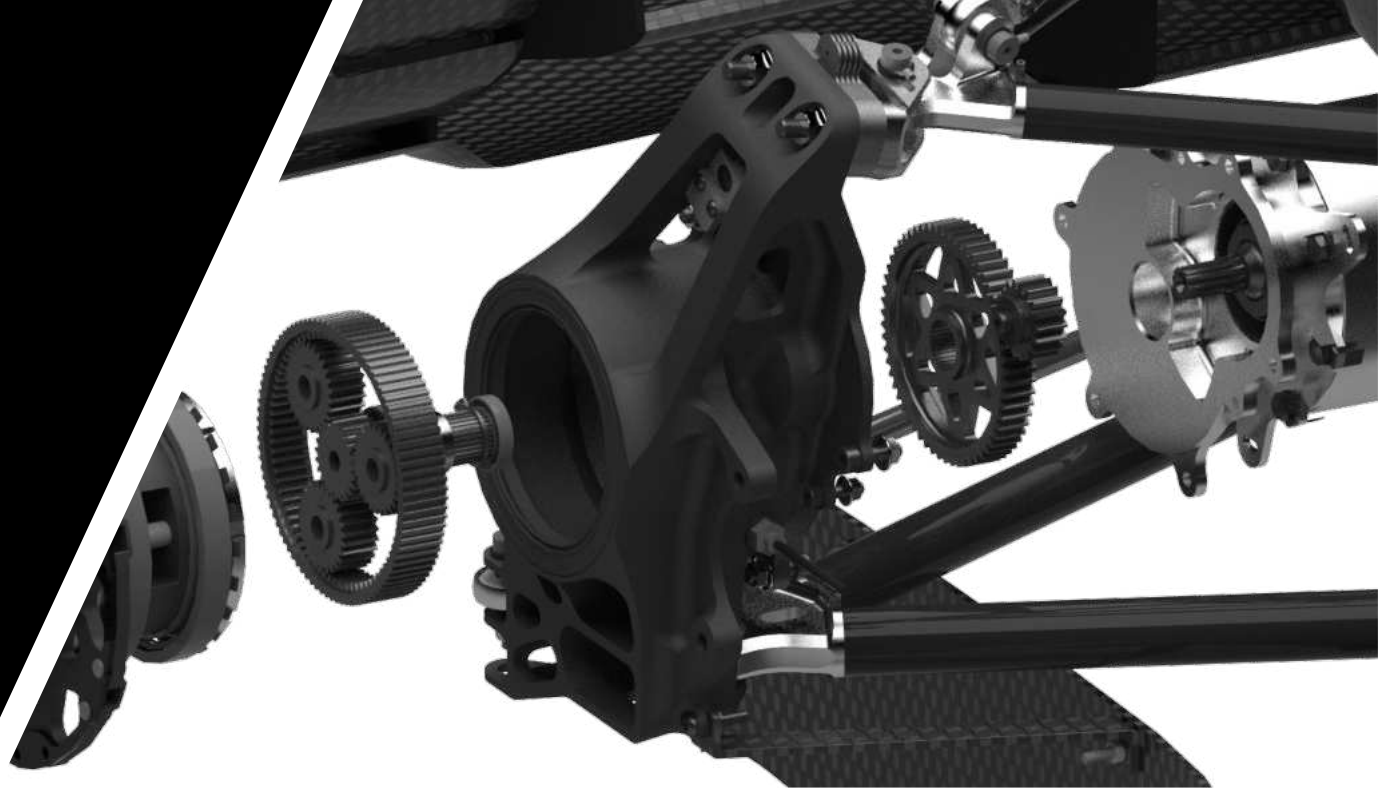
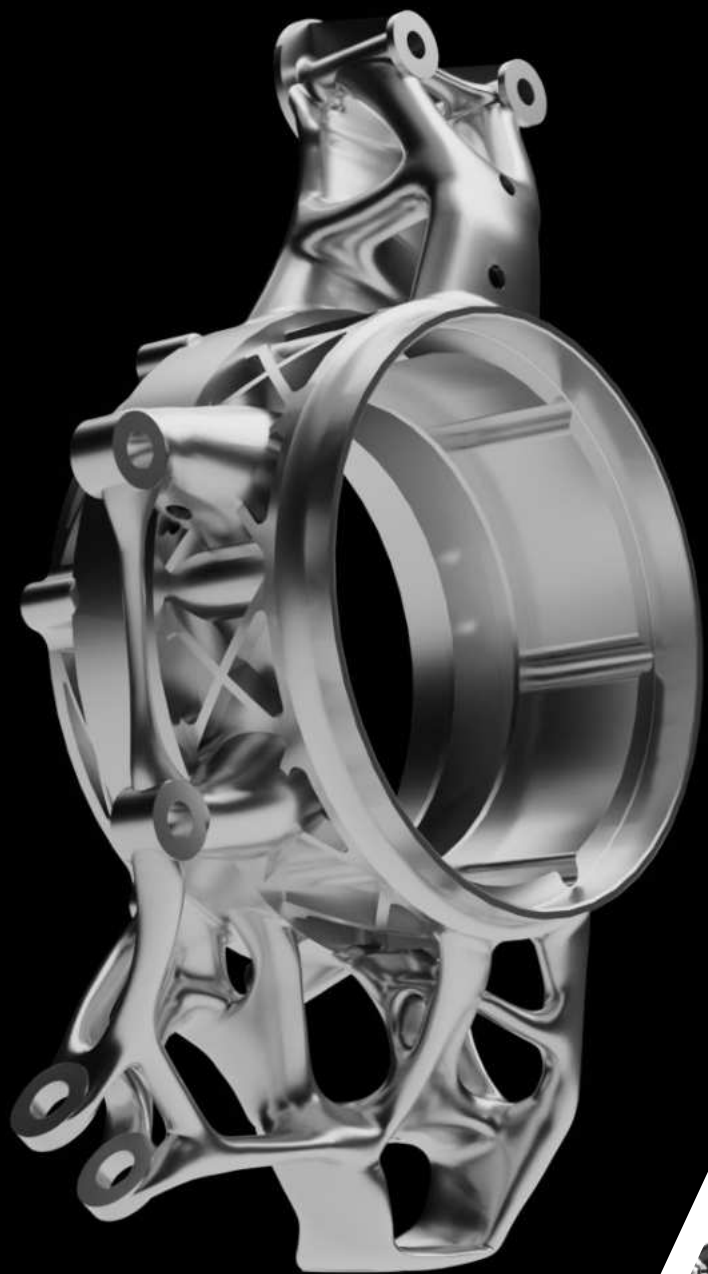
- Conceptual design
- Parametric modeling
- Reverse engineering / 3D laser scanning
- Chassis design
- Rollbar design
- Suspension design
- Bodywork design

# FEM

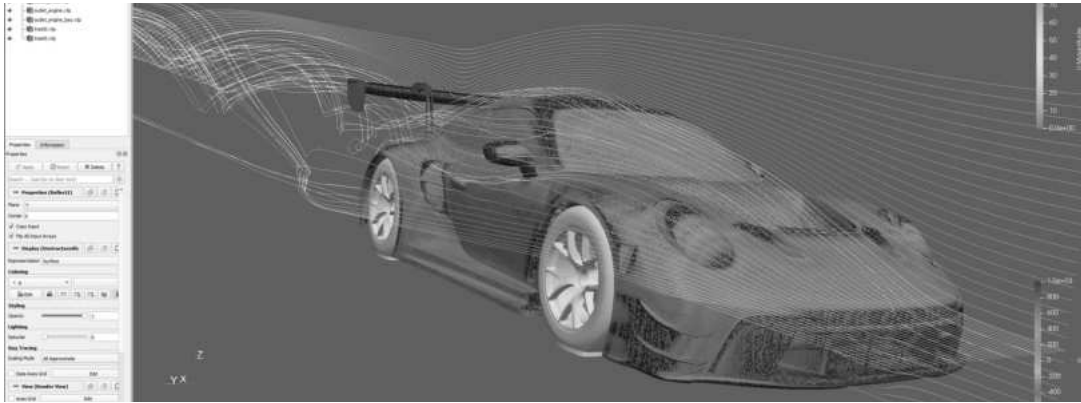


- Static linear analysis
- Non-linear analysis
- Topological optimization
- Evaluation of components and materials
- Simulation for FIA homologations
- Stress conditions simulation, duration / fatigue analysis
- Torsion analysis and breaking points



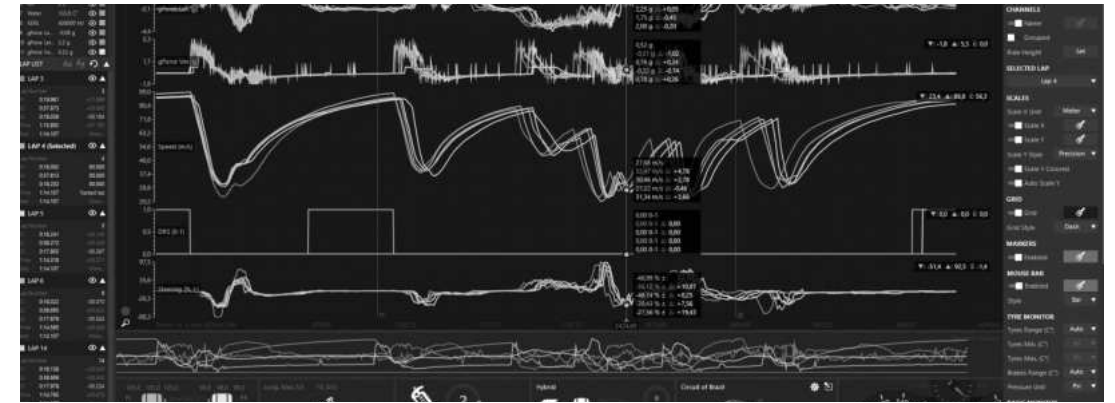


# CFD

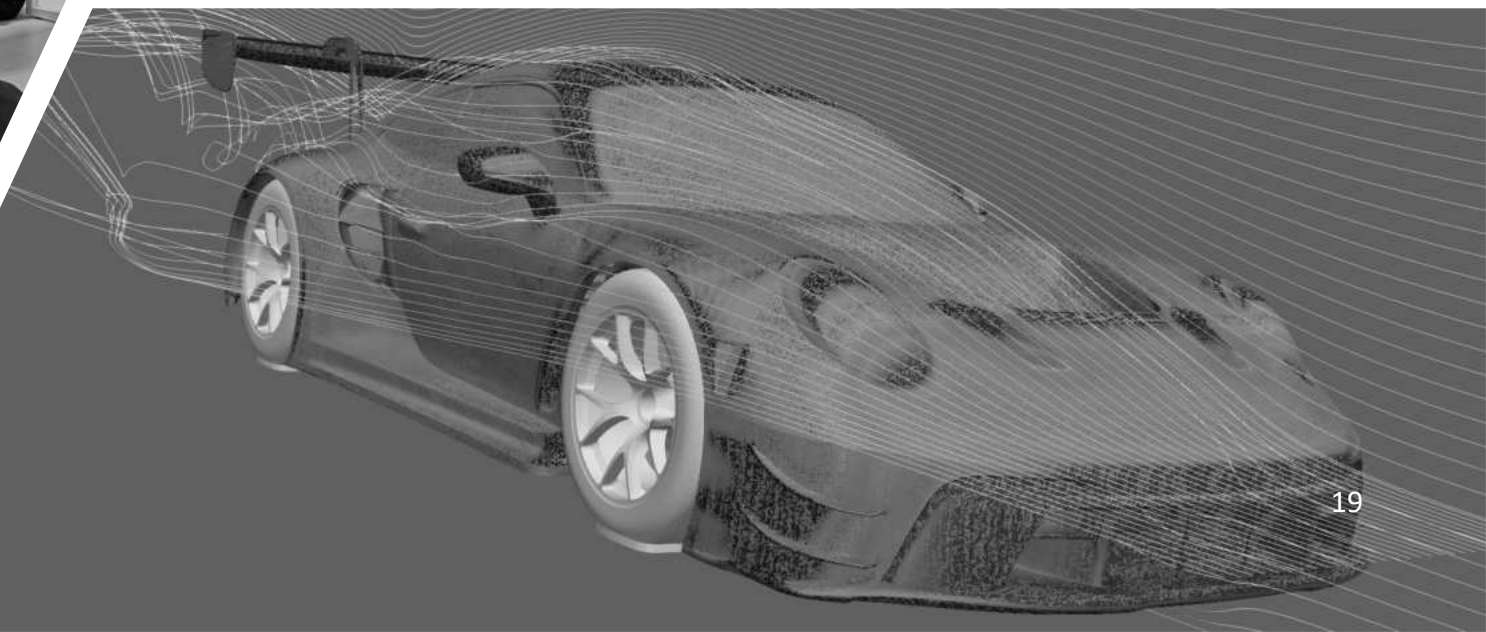


- Aeromap development and analysis
- Management of the aerodynamic downforce in correlation with the vehicle's performance
- Analysis and study of drag reduction
- Internal fluid dynamics
- Temperature management in correlation with internal flows
- Aerodynamic configuration simulation and analysis

# REMOTE ENGINEERING



- 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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