



ingedetec



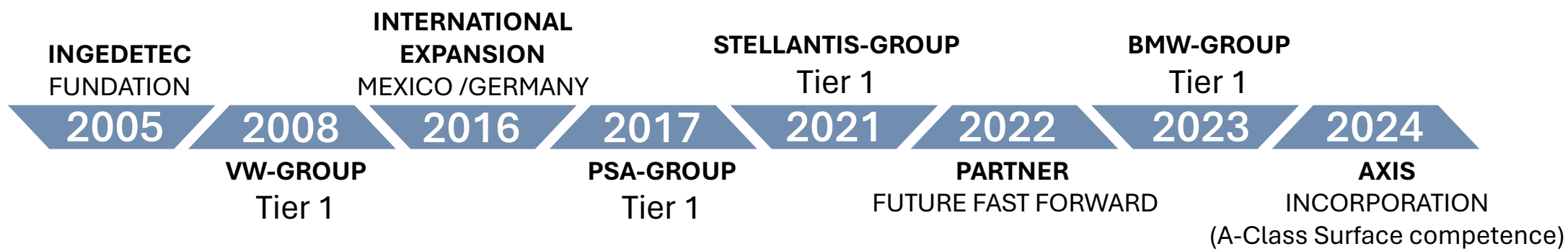
ABOUT THE COMPANY

240
Employees

3 Certifications



Our TIMELINE



MÉXICO

- LÉON
- PUEBLA

ESPAÑA

- MARTORELL

GERMANY

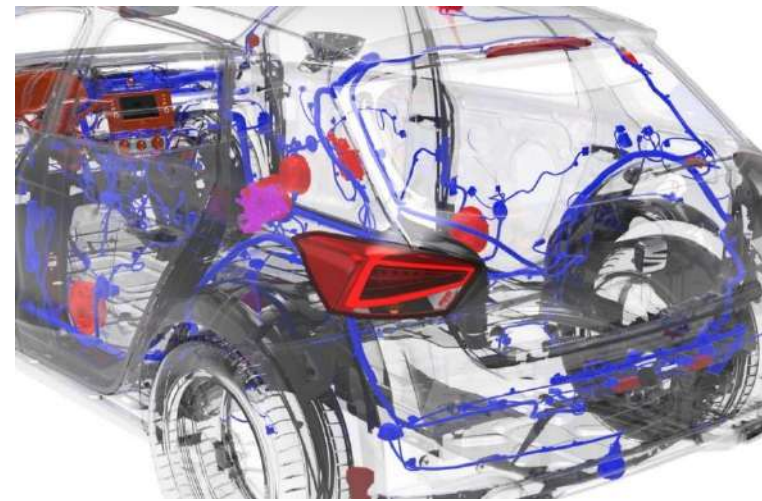
- WOLFSBURG
- INGOLSTADT

OUR AREAS

LIGHTING



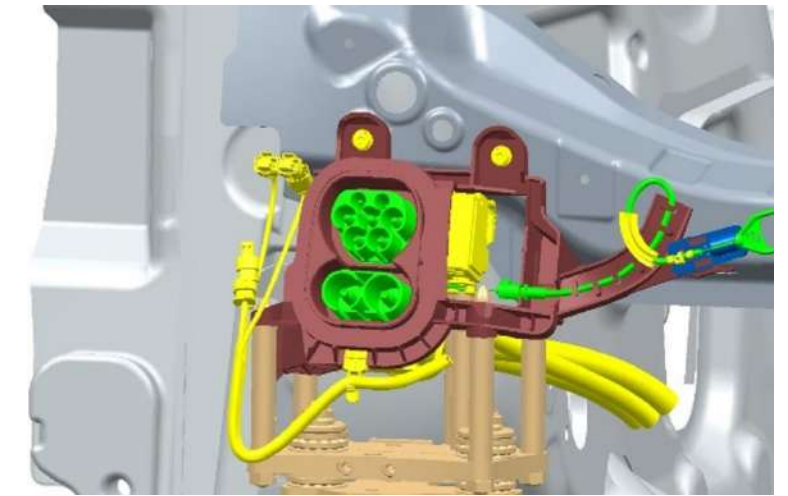
EDS



TRIMS (INTERIOR/EXTERIOR)



PACKAGE & VIRTUAL VEHICLE



TESTING / LABORATORY



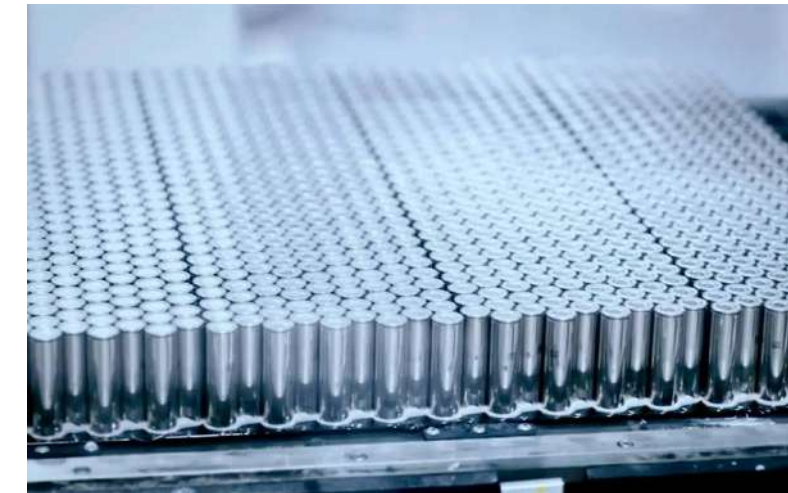
STRAK (A-Surfaces)



**ENERGY SYSTEMS /
CONNECTED CAR**



BATTERY LAB



LIGHTING DEVELOPMENT



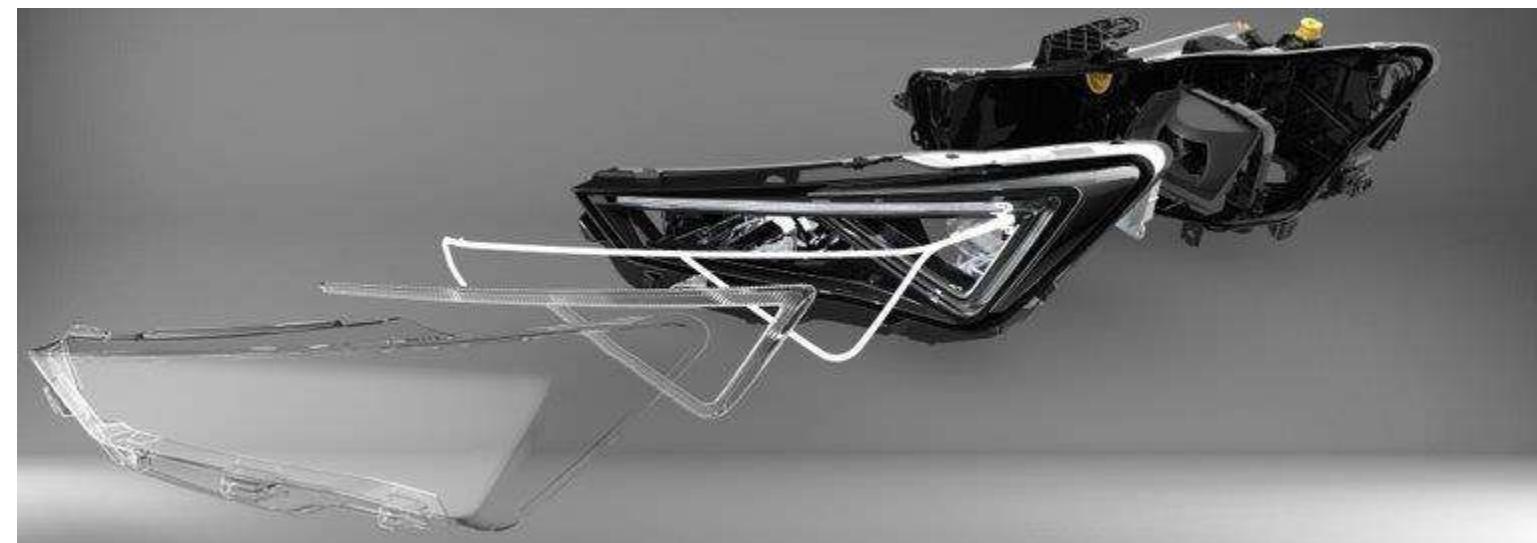
16 years of support in technical development in Lighting

Comprehensive development in all project phases

Optical, thermal and electronic development included

Experience in **HEADLAMPS, REAR LAMPS, INTERIOR
AND AUXILIARY LIGHTING**

Support **COSTUMER - SUPPLIER**



TRIMS DEVELOPMENT

19 years of support in technical development trims

Experience in **FRONT** and **REAR BUMPERS**,
INTERIOR TRIMS, and other **PLASTIC TRIMS PARTS**

Comprehensive development
in all project phases

Support **COSTUMER - SUPPLIER**



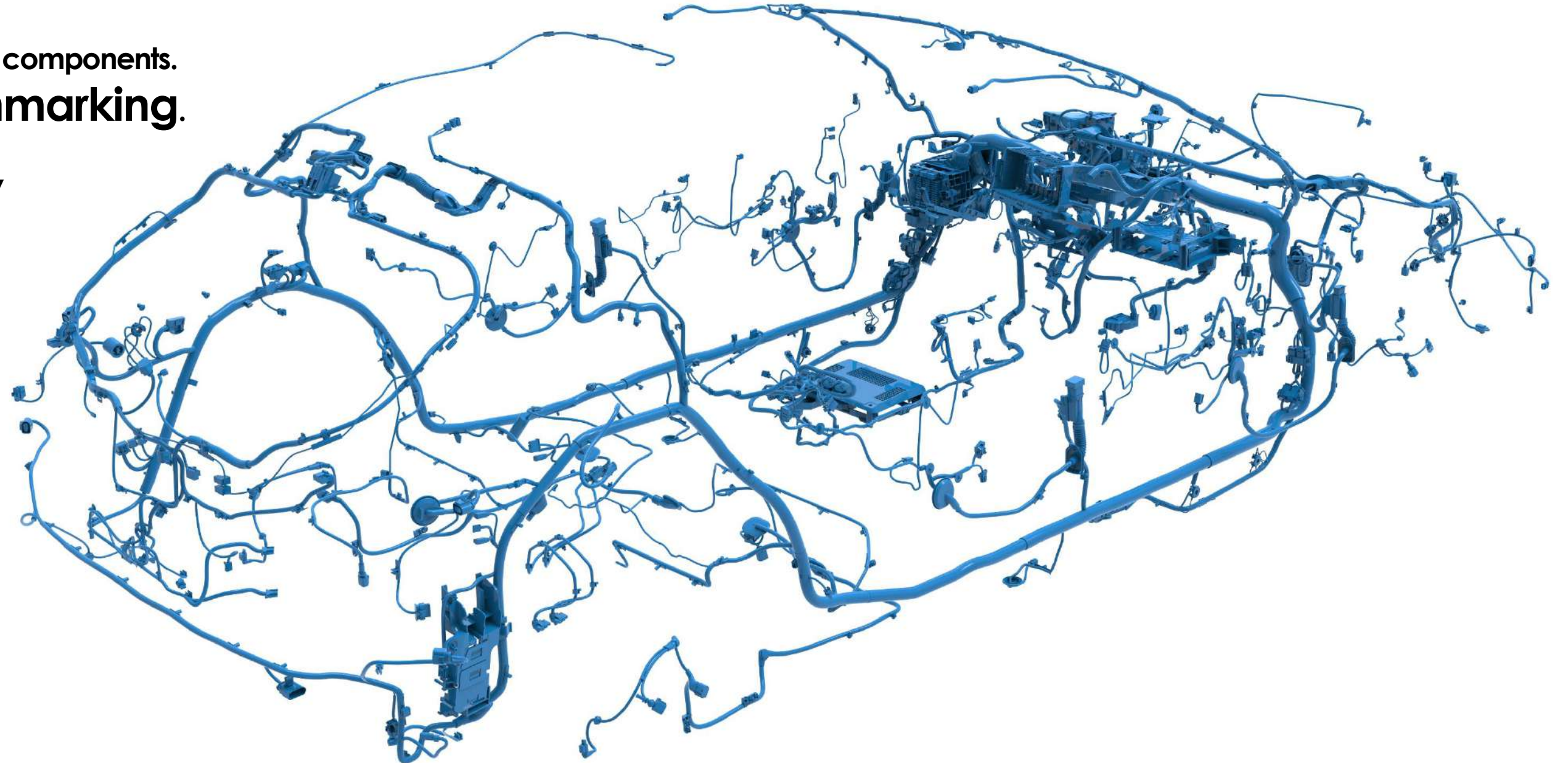
EDS DEVELOPMENT

Specialists in **wiring development** from the conception of the electrical diagram, the wiring route in the vehicle, interference analysis, cost management, modification management, comprehensive project management.

Team dedicated to the management of wiring components.

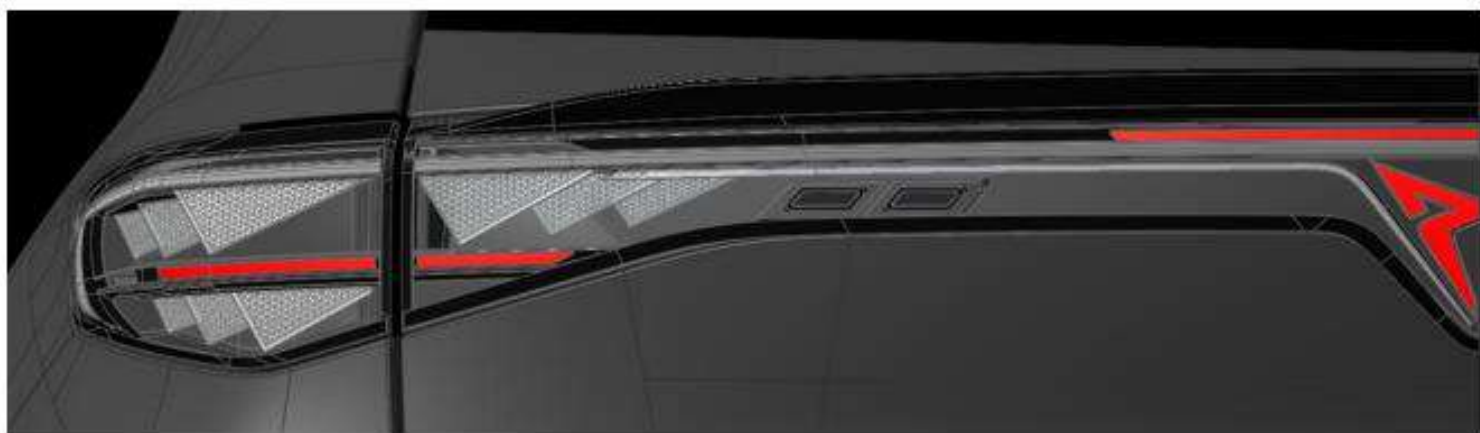
Homologation, BMG's, Benchmarking.

Supplier management,
always focused on sustainability and circularity



A-CLASS SURFACES

In 2024, Ingedetec incorporates “**Axis Enginyeria i Disseny**” into the INGEDETEC GROUP, a company dedicated to the **modeling of Strak surfaces** and specialists in Icem Surf.

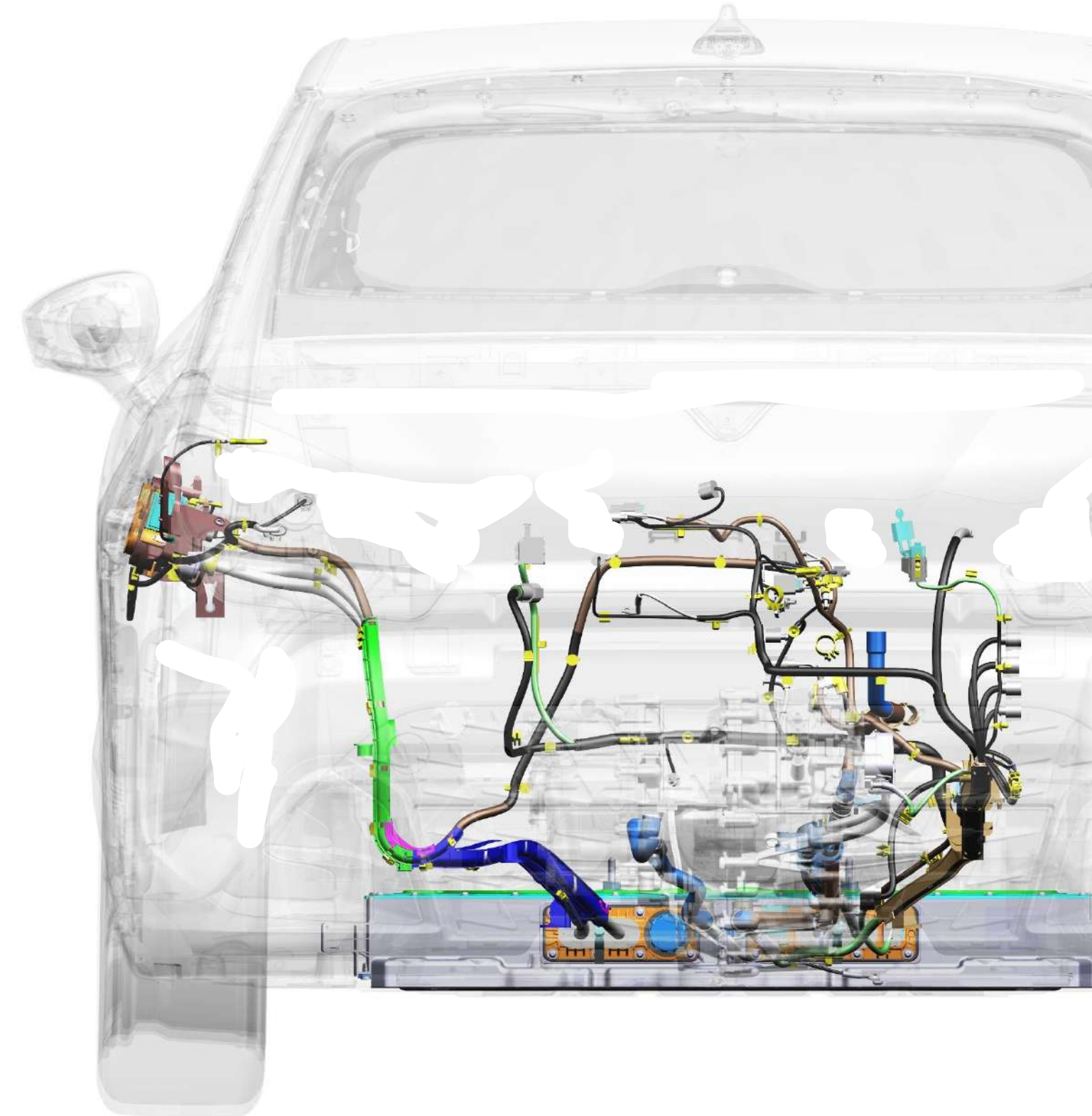


PACKAGE & VIRTUAL VEHICLE

Load analysis, positioning of switchboards, 3D design and construction of supports.

Integral Gestion of projects.

Control units, speakers, sensors... all the electrical components of the vehicle are located and the **plastic supports are designed.**
Management, monitoring and control with supplier and customer of parts



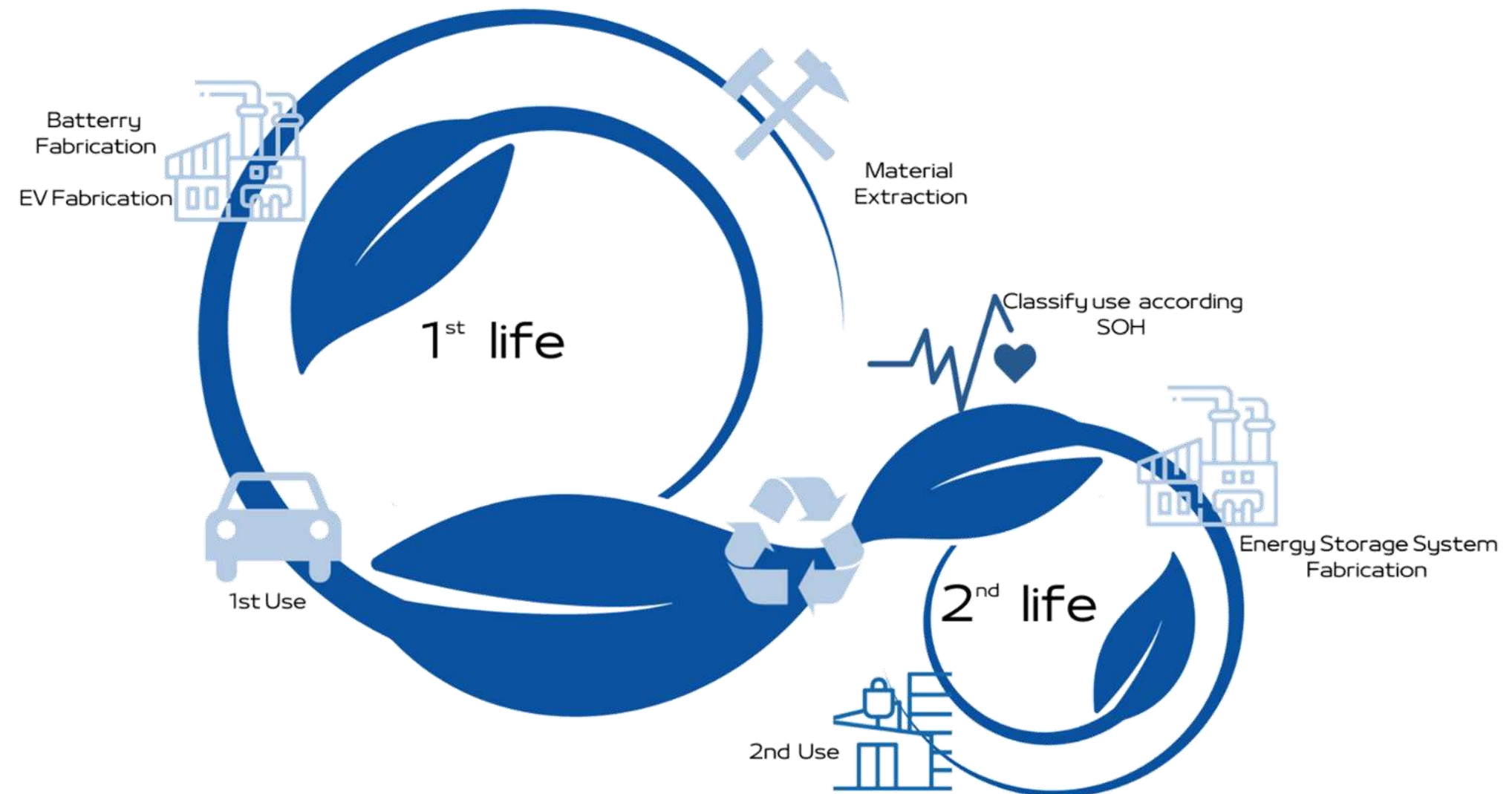
ENERGY SYSTEMS / CONNECTED CAR

Team specialized in **second life of batteries** and storage systems (BESS).

Research and analysis of **rapid SoH measurement methods**.

Validation of the SoH measurement methodology in **different aging conditions**.

Battery parameterization (Mathematical model)



BATTERY LAB

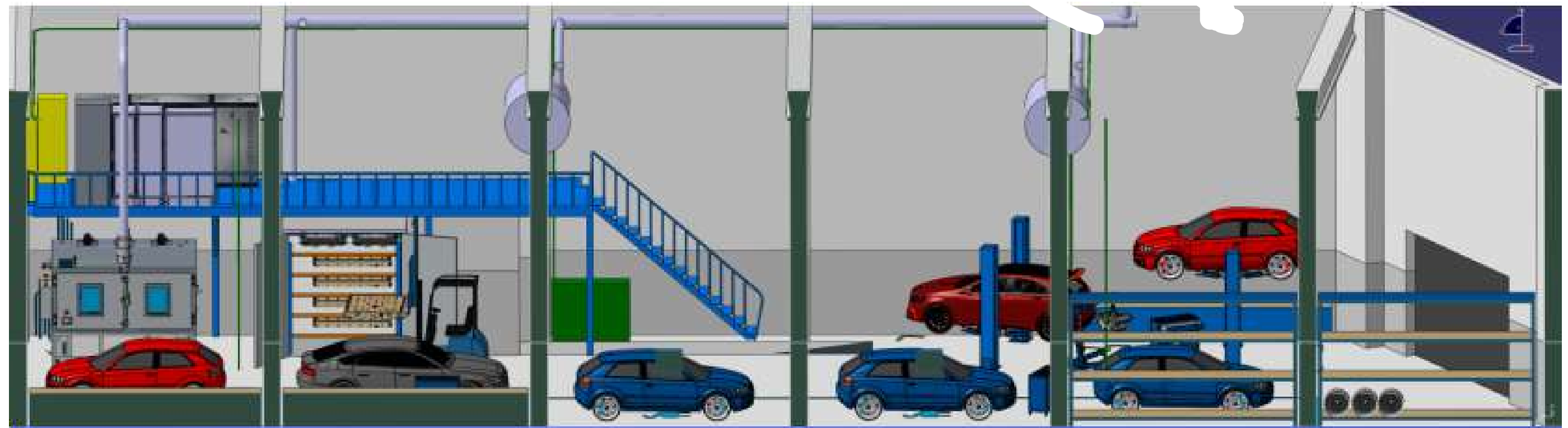
Battery test.

Life cycle tests with **climatic chamber with cap. 500kw**

Simulation of real use profiles. Loading and unloading stress.

Test energy storage capacity; BMS testing

Battery management system. Dynamic stress test. Validation via CANBus



TESTING

Through instrumentation and data acquisition, we carry out exhaustive analysis and reports in order to test the different types of vehicle systems.



ELECTRICS & ELECTRONICS	BODY & LIGHTING	POWERTRAIN	WHOLE VEHICLE & CHASSIS	HEADQUARTERS	ON TRACK	EXT LABORATORIES	INTERIN TESTING
Test services Components Systems Validation Reports Updating Hardness ADAS	Test services Components Systems Validation Reports Redesing External Internal Vibrations Endurance	Test services Peripheral Systems Dinamics Endurance Consumption	Test services Estatics Dynamics Endurance Vibrations Dust Water Altitude Suspensions Braking	Test services Internal complet workshop Electrical and Electronics Laboratory Climatic Chamber for bateries and components Prepair and updating vehicle for testing Battery development laboratory Inbetriebnahme	Test services ADAS Dust Klapper Gravel Sun Bath management test Endurance test Component test in whole vehicles Systems tests. Whole vehicle dynamics	Test services Water Bath Rain simulation Specific Dynamic tests Autonomy testing	Test services Professionals engineers and technicians to ex-work. Mechanics, electric, electronic, IT, connect and energy testing expertise. Validation tests Component tests

iTHANK YOU!