



# FORMEL D GROUP CORPORATE PRESENTATION

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**FORMEL D IS THE  
DRIVING FORCE IN  
THE AUTOMOTIVE  
SERVICE INDUSTRY.**

The worldwide automotive industry has always been known for its **passion for innovation** and strong momentum. The latest trends – including alternative drives, an ever-increasing **quality awareness** and new market development – are effectively accelerating product cycles. Manufacturers and suppliers are squaring up to the **new opportunities** and challenges presented by these trends with the same fascination and passion that drive Formel D as their partner every single day.

We offer winning **professional services** and are deeply devoted to the quality that we in the team provide. We draw on **profound expertise** to develop tailored concepts down to the finest detail. Formel D backs with sustainable, **quality-assuring solutions**, analyzes and optimizes processes along the entire automotive value chain and guarantees **smooth workflows** each and every day.



### FACTS

- + Established: 1993
- + Headquartered in Cologne
- + Automotive service provider in product development, production and aftersales

### KEY DATA

- + Approx. 50% of sales with OEMs and 50% with suppliers
- + Global presence in 21 countries with over 90 branch offices
- + Core regions: Europe, North America and China
- + Around 10,500 people from 45 nations operate in intercultural teams



### MANAGEMENT

Marcel Blinde (CEO)

Gian Mario Deligios (CFO)



ISO 9001:2015  
ISO 14001:2015  
ISO 45001:2018  
www.tuv.com  
ID: 9000090312



\*Certificates within the Formel D Group

Status: March 2024

## OVER 90 BRANCH OFFICES IN 21 COUNTRIES

✓ ASIA

+ China, India, South Korea

✓ AMERICAS

+ Brazil, Canada, Mexico, USA

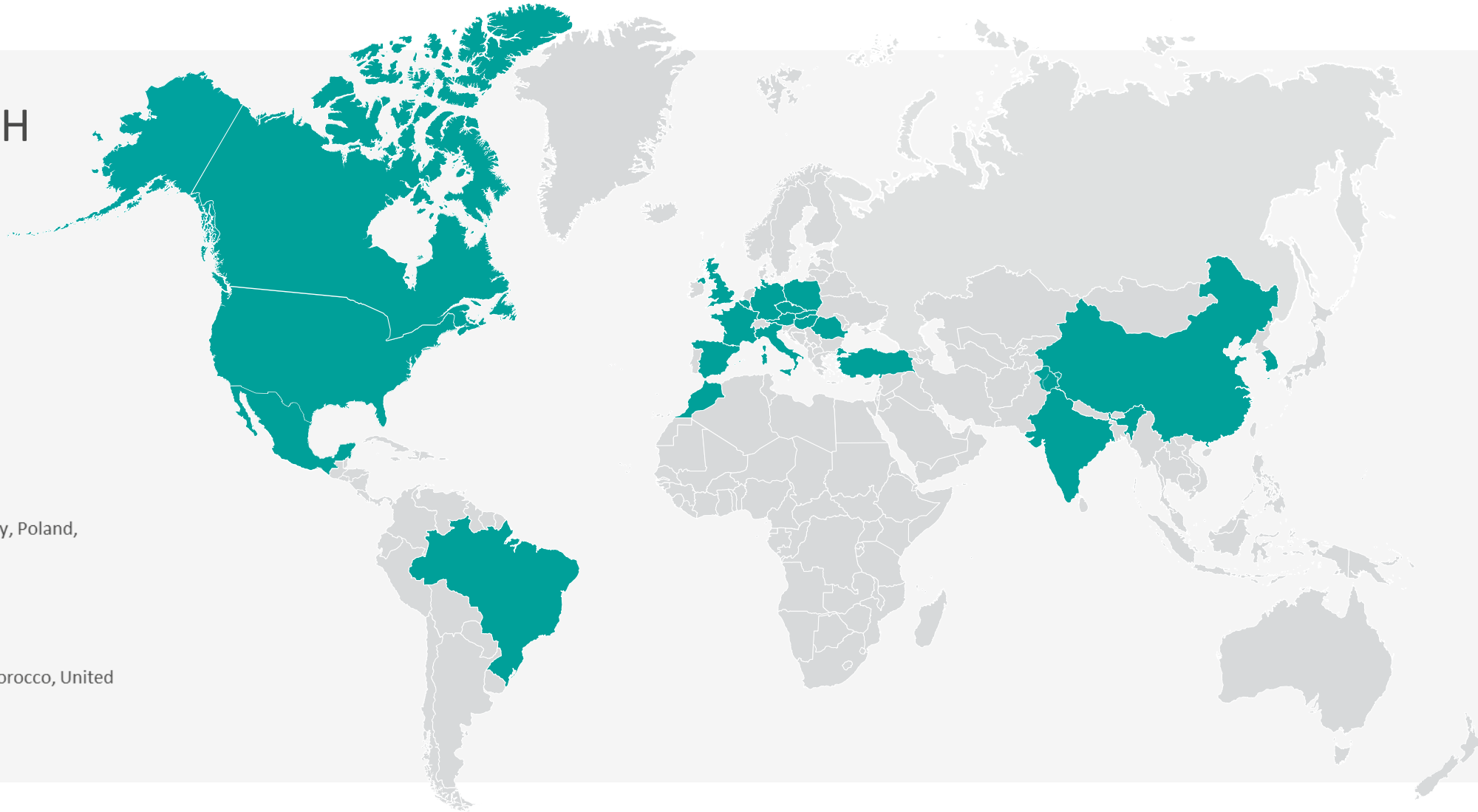
✓ CENTRAL AND EASTERN EUROPE

+ Austria, Czech Republic, Hungary, Poland,  
Romania, Slovakia, Turkey

✓ GERMANY

✓ WESTERN EUROPE AND AFRICA

+ Belgium, France, Italy, Spain, Morocco, United  
Kingdom



# FORMEL D GROUP MILESTONES



1994

- + Certified according to DIN EN ISO 9001
- + First branch outside of Germany in UK

1997

- + First-time build of show vehicles for IAA and Tokyo Motor Show
- + Receiving the Founder's Awards of Bonn-Rhein-Sieg Region and Germany

2000

- + Establishment of branch in Spain and Poland
- + Formel D nomination under the 500 most innovative companies in Europe (study for Growth Plus)

2009

- + Start of operations in India
- + Certification of Formel D as education provider according to Admissions and Licensing Regulations for Further Training (AZWV)
- + First project for vehicle individualization

2015

- + Realignment of the product portfolio
- + New positioning and brand relaunch

2018

- + Growth in the number of employees to 10,000 worldwide at more than 80 offices in 19 countries
- + Consolidation of company's restructuring in 5 regions

2020

- + First Pre-Delivery inspection Center in China
- + 20 Quality Confirmation Centers in France

1993

- + Foundation of Formel D in Troisdorf (Germany) with around 60 employees
- + Opening of branch office in Rüsselsheim (Germany)
- + Development of a range of services to support automotive manufacturers

1998

- + Establishment of branch in the USA

1996

- + First international branch outside of Europe established in Brazil

2005

- + Opening of branch in Shanghai, China
- + Renaming to Formel D GmbH

2013

- + Founders handover to new management board

2017

- + New owners investing in Formel D: 3i and CITIC Capital
- + New management structure established
- + Licensed partner of the VDA Quality Management Center in China

2019

- + Acquisition of Vdynamics & MobileNext
- + Acquisition of CPS Group
- + Global Project Management Office tool implementation
- + Start of first Quality Confirmation Center in the USA

2021

- + New HQ Cologne
- + Over 10,500 employees in 21 countries

2022

- + Evolution to Next Electric Vehicle
- + Rollout Value Creation Program
- + BE-SMART Initiative
- + Evolution to Supply Chain Quality

A hand is shown in the foreground, reaching towards a glowing wireframe globe. The globe is composed of white lines forming a mesh, with numerous white dots connected by thin lines, creating a network-like structure. The background is a blurred green and blue, suggesting an outdoor setting with trees and a sky. The overall aesthetic is futuristic and global.

**FORMEL D** GLOBAL PARTNER FOR VEHICLE,  
PARTS AND SERVICE READINESS.

## ADVANTAGES AND BENEFITS

### WE ENSURE QUALITY

- + Quality is our core expertise and our passion
- + Global quality standards and processes

### WE OPTIMIZE STRUCTURES FOR LEAN PROCESSES

- + Efficient resource and process management
- + Goal-oriented and standardized concepts

### WE ARE AT YOUR SERVICE – ANYTIME AND ANYWHERE

- + Global management
- + Worldwide support

### WE CREATE CONFIDENCE

- + Ensuring effective solutions
- + Comprehensive risk and project management

### WE OFFER FULL-SERVICE CONCEPTS

- + Scalable solutions
- + Handling of individual tasks through to entire sub-processes



## AUTOMOTIVE VALUE CHAIN »

### PRODUCT DEVELOPMENT

- + Build up Mule- and Test Vehicles
- + Vehicle Testing
- + Vehicle Test Center Operations
- + Camouflaging
- + Software Testing

### PRODUCTION

- + Supplier Sourcing and Readiness
- + Launch and Series Management
- + Quality Management
- + Localization and Relocation
- + Value Added Assembly

### AFTERSALES

- + Service Management
- + Vehicle Management
- + Dealer Management
- + Warranty Management
- + Software Management

ENGINEERING | CONSULTING | TRAINING | OPERATIONS



PRODUCT PORTFOLIO  
PRODUCT DEVELOPMENT

## PRODUCT DEVELOPMENT »



### BUILD UP MULE – AND TEST VEHICLES

- + Vehicle Preparation
- + Test Equipment Installation
- + Assembly and Initial Start up of Prototypes and Mule Vehicles
- + Camouflage Management



### VEHICLE TESTING

- + Vehicle Test Drives
- + Hardware and Software Analysis
- + Software Management
- + Benchmarking
- + Test Vehicle Fleet Management



### VEHICLE TEST CENTER OPERATIONS

- + Test Center Conception, Implementation and Operations
- + Test Vehicle- and Parts Logistics
- + Customs Clearance



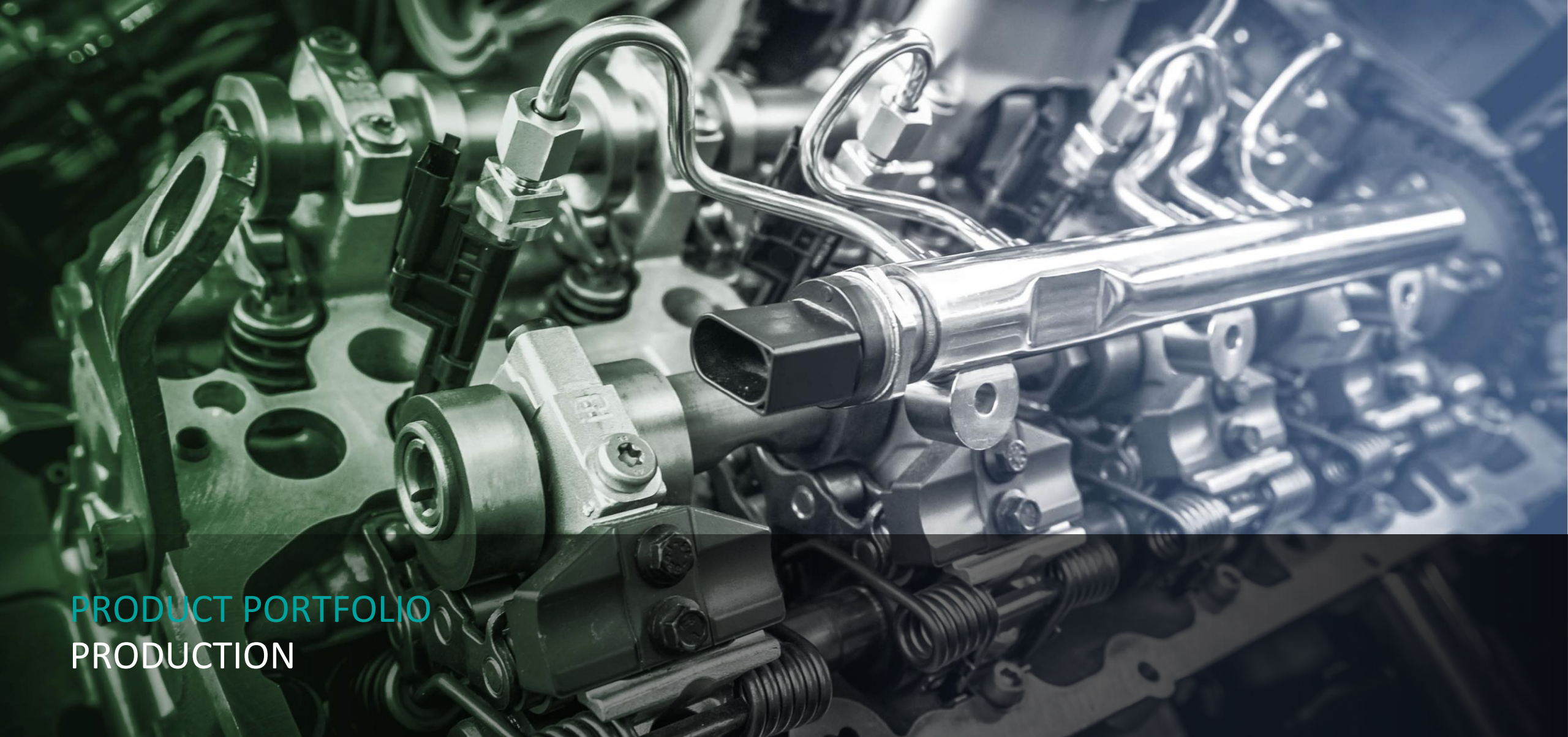
### CAMOUFLAGING

- + Camouflaging of exterior
- + Camouflaging of interior
- + Production of interior coverings
- + Handling and transport of prototypes and pre-production vehicles
- + Off-campus camouflaging in prototype-proof development workshops



### SOFTWARE TESTING

- + Requirements Management
- + Test Development
- + Testing and Analysis
- + Test Management
- + Software and Tool Development



PRODUCT PORTFOLIO  
PRODUCTION

## PRODUCTION »



### SUPPLIER SOURCING AND READINESS

- + Supplier Selection and Evaluation
- + Supplier Qualification
- + Auditing
- + Quality Planning
- + Production Part Approval Process (PPAP / PPF)
- + Maturity Validation
- + Troubleshooting



### LAUNCH AND SERIES MANAGEMENT

- + Vehicle Rework
- + Vehicle Retrofit



### QUALITY MANAGEMENT

- + Resident Engineering
- + Quality Confirmation Center (QCC)
- + Quality Warehousing
- + Control and Rework
- + Troubleshooting
- + Interim- / Shop Floor Management
- + Quality Engineering
- + Quality Training



### LOCALIZATION AND RELOCATION

- + Communication with Authorities
- + Production Planning
- + Logistics Planning
- + Warehousing
- + Start up / Ramp up Production
- + Shop Floor Management and Operations



### VALUE ADDED ASSEMBLY

- + Refining Manufacturing Center (RMC)
- + Outsourced Manufacturing and Assembly



PRODUCT PORTFOLIO  
AFTERSALES

## AFTERSALES »



### SERVICE MANAGEMENT

- + Serviceability
- + Technical Documentation
- + Labor Times Determination
- + Software Verification
- + Type Insurance Classification/ Cost of Ownership
- + Packaging Management
- + Field Analysis
- + Technical Support
- + Service and Technical Training



### VEHICLE MANAGEMENT

- + Vehicle Refurbishment
- + Vehicle Retrofit
- + Pre-Delivery Inspection (PDI)
- + Preparation Show Cars
- + Fleet Management



### DEALER MANAGEMENT

- + Dealer Performance Optimization
- + Workshop and Equipment Conception
- + Process Auditing



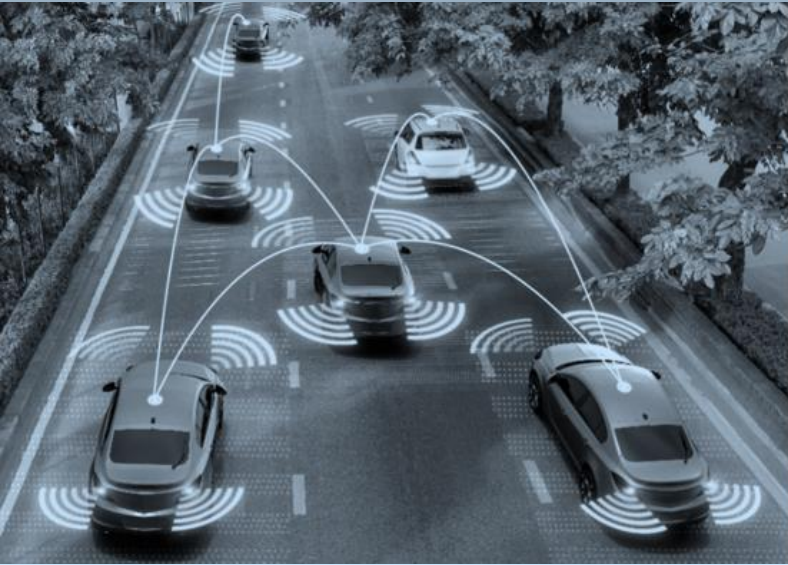
### WARRANTY MANAGEMENT

- + Warranty and Field Data Analysis
- + Warranty Audits
- + Parts Analysis
- + Parts Logistics



### SOFTWARE MANAGEMENT

- + Software Testing and Validation
- + Requirements Management / Test Management
- + Test Bench Operation and Setup
- + Test Environment Management / IT Infrastructure
- + Tool Development / Software Development
- + Error and Test Analysis
- + Test Automation
- + Custom Consultation and Support Services



# VDYNAMICS

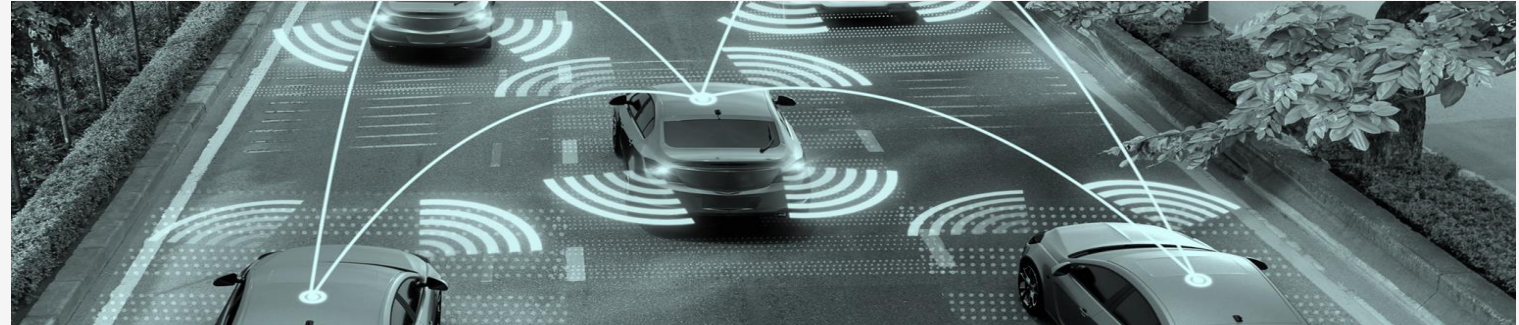
## MEMBER OF THE FORMEL D GROUP



Vdynamics is part of the Formel D Group and specializes in services related to test management, test analysis, test automation, test evaluation, XiL-infrastructure – from software-in-the-Loop, hardware-in-the-Loop to laboratory vehicle – of embedded systems, test station management, vehicle testing as well as tooling and virtual development.

#### FACTS AND FIGURES

- + Established in 2012
- + Acquired by Formel D in 2019
- + Headquartered in Munich, Germany
- + Engineers, technicians, project managers, software developers and other skilled professionals
- + Vdynamics incorporates know-how from numerous automotive and other industry projects offering customized solutions















#### SERVICES OFFERED BY VDYNAMICS

- + **REQUIREMENT MANAGEMENT**  
Structuring and level definition of systems down to subsystems. Implemented in accordance with ISO 26262.
- + **FUNCTION TESTING**  
Define specifications, coordinate semi-or fully automated testing using driving maneuver catalogs, documents, rates while offering data analytics and comprehensive test results.
- + **X IN THE LOOP**  
Implementing methods like Software-, Processor-, Hardware- and Vehicle in the Loop including developing Simulation models in domains like power train, vehicle dynamics, ADAS and electrification.
- + **VEHICLE TESTING**  
Preparation and initial start-up for the vehicles. Resource planning, organization and execute of complete vehicle testing in close cooperation with Formel D.
- + **SOFTWARE-TOOLS DEVELOPEMENT**  
Development of software tools for the testing automation for software verification & validation.



# FORMEL D REFERENCES

OEMS

|  |  |   |  |  |  |  |  |
|--|--|---|--|--|--|--|--|
|                 | <br>Mercedes-Benz | <br>RIVIAN |                     | <br>JAGUAR  |                               |             | <br>PORSCHE             |
|                 |                   |            | <br>TESLA           | <br>ŠKODA   | <br>BENTLEY                   | <br>SEAT    |                         |
|                 |                   |            |                     | <br>BUGATTI | <br>FIAT CHRYSLER AUTOMOBILES | <br>OPEL    |                         |
| <br>CHEVROLET | <br>TATA        |          | <br>Nutzfahrzeuge | <br>DEUTZ | <br>VINFAST                 | <br>LUCID | <br>CNH<br>INDUSTRIAL |

FORMEL D GROUP  
REFERENCES (EXTRACT)



SUPPLIERS

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THANK YOU  
FOR YOUR ATTENTION

HQ

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