

# Integrated & Open Development Platform

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### What is IODP?

Integrated

Seamless transfer of data, models and test procedures between the virtual world and all physical (model based, simulation controlled) test environments

o pen

Open towards all **contemporary tools and processes** 

D evelopment

The end goal is to obtain development results

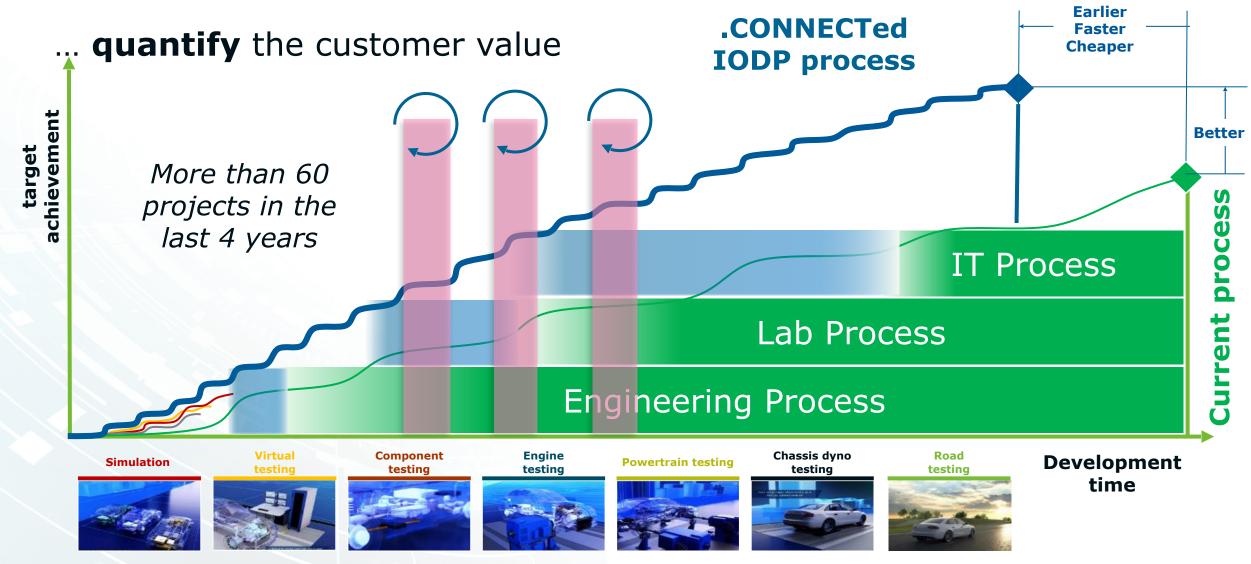
- faster
- with less effort
- with **better quality**

P latform

- Integrated and Open Toolchain
- Real-time maturity assessment
- Methodology and Operations Know How



## **Lead Projects**





## IODP in Ocean Energy





## IODP in Ocean Energy

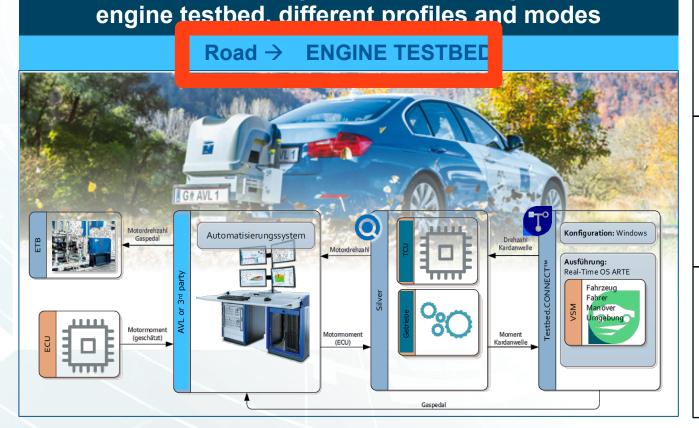


#### Customer Reference

### Real World Driving Emissions on Engine Testbed



# Shift Real World Driving Emission investigations on an



#### **Proven Benefits**



Reduction of development and testing time

- Time Reduction of 60% in in comparison to road
- Relevant events could be found much earlier
- RDE Calibration started much earlier before real hardware available



Reduction of cost

- Lowered occupancy of expensive vehicle prototype
- Reduction of SOP shift risks and related costs
- Through **high automation**



Increased product quality

- Higher testing coverage leading to higher product quality
- High Reproducibility
- More development iterations possible before SOP



# Thank you

For any questions please contact

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