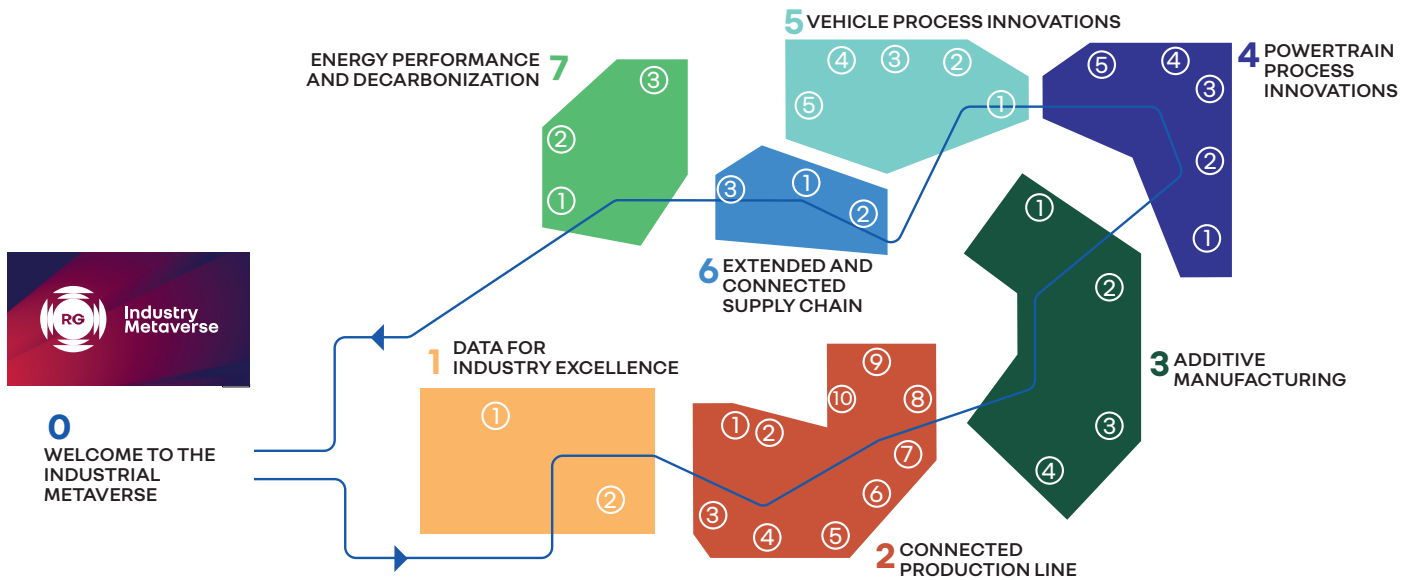




# Renault Group Tech Industry Days

#PassionIndustry



## 0 Welcome to the industrial Metaverse

### 1 Data for industry excellence

- ① IDM4.0 Industry Data Management
- ② Industry Data @ Scale (ATOS)

### 2 Connected production line

- ① Artificial Intelligence to serve production teams
- ② AI for Remote Vision Control
- ③ Remote vision control
- ④ DWS: the operator tablet
- ⑤ CHUET: the Production Supervisor tablet
- ⑥ Virtual Training
- ⑦ Self-Service Big Data for plant users
- ⑧ Renaultion Virtual Twin
- ⑨ Virtual Reality in Production Engineering
- ⑩ Virtual Reality in training activities

### 3 Additive Manufacturing

- ① Inventing industrial additive manufacturing
- ② Polymer additive manufacturing at Refactory
- ③ Additive manufacturing for plants efficiency
- ④ Additive manufacturing for cutting edge performance

## 4 Powertrain process innovations

- ① Renault Group: pioneer in E-powertrain manufacturing
- ② Reduction of particle emissions at braking
- ③ Aluminium Body in White
- ④ Renault Group develops a battery with Verkor
- ⑤ Metal 3D printing

## 5 Vehicle process innovations

- ① Numerical simulation of Body In White units accuracy
- ② Microfactory spirit: ultra-flexible process
- ③ Thermoplastic tailgate by water injection
- ④ New two-tone painting process
- ⑤ Multi-material rapid prototyping for projects

## 6 Extended and connected Supply Chain

- ① Artificial Intelligence for a highly performant Extended Supply Chain
- ② Tracking with Telematics: a lever for customer satisfaction
- ③ Control Tower @ Extended Supply Chain

## 7 Energy performance and decarbonization

- ① Decarbonization of Manufacturing: a lever for energy independence
- ② The ECOGY Energy Portal: a key element for energy sobriety
- ③ Real-time consumption: all players in energy savings