The Ultimate Vehicle Experience – Today, Tomorrow and Beyond

Charlie Cross
Director, Remote Vehicle Management, Stellantis
EXECUTING AT FULL SPEED WITH RECORD 2022 RESULTS

€152bn Net Revenues
+ 18% vs. 2021

€23.3bn Adjusted Operating Income up 29%

€16.8bn Up 26%

Employees on all continents
170 nationalities
Plants in 30 countries
Operations in 130 markets

POWERED BY OUR DIVERSITY

HOUSE OF ICONIC BRANDS

LUXURY
- Granturismo
- Sportiness
- Art of Travel
- Eleganza

PREMIUM
- Freedom
- Muscle
- Courage
- Ingenious

GLOBAL SPORT UTILITY
- Jeep

AMERICAN ROOTED BRANDS
- Muscle
- Courage
- Ingenious

EUROPEAN ROOTED BRANDS
- Allure
- German Energy
- DolceVita
- Care

EXECUTING AT FULL SPEED WITH RECORD 2022 RESULTS

€6,000

€200,000+

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Enabling upgradable and personalized vehicles with extensible tech platforms

Risk tolerant via rapid iteration and innovation

Leveraging Agile

Empowered subject matter expert Leadership positions held by women >35% by end of 2030

70% remote work(1)
Real Estate Carbon neutral
-50% CO2 by end of 2025

BUILDING A MOBILITY TECH COMPANY

4,500 Software people by end of 2024
Software & Data, Electric academies

(1) Remote work statistics exclude STELLANTIS project managers.
• **Worldwide population** approaching 8.5bn people, mobility needed for additional 3bn

• **Electric vehicle sales** could represent more than 35% of new vehicle registrations.

• **Sales of 5G enabled vehicles** are expected to reach 16 million in the EU, U.S. and China

• Further development of **Autonomy**

• **2 digit TFLOPS of Embedded Compute** plus applications that can surpass capacity
TODAY TO TOMORROW

TODAY:
BUILDING ON STRONG FOUNDATION

~12M CONNECTED
CONNECTED VEHICLES, POWERED BY CLOUD PLATFORM

CONNECTED FEATURES
400M+ ACTIVE SUBSCRIBERS FOR 3P APPS, SERVICES

~34M CONNECTED
HYPER CONNECTED VEHICLES, DEEP INTEGRATION INTO IOT

2030:
INNOVATION IN THE FORE-FRONT

SERVICES BEYOND MOBILITY
ENGAGING ALL SENSES, EXTENDING MOBILE, WEARABLE
PATH TO IN-HOUSE SOFTWARE DEVELOPMENT
EXPLOSIVE GROWTH

IN HOUSE CONNECTED VEHICLE APP DEVELOPMENT PLATFORM

2015
900 VEHICLES, TESTING TOOLS ONLY

TODAY
6.5M VEHICLES
500 MILLION DATA TRANSACTIONS PER DAY
5 TRILLION DATA POINTS PER YEAR

FUTURE
30M+ VEHICLES
REAL-TIME REMOTE INTERACTION
CUSTOMER CONFIGURED SERVICES
Breakthrough technology that enhances vehicle safety globally is a key element of the Stellantis Dare Forward 2030 strategic plan with the aim to become number one in customer satisfaction for products and service.

Auto Deployment
Auto deploys when sensors indicate a safety need

- Collision or Airbag sensor
- Rollover, accident, etc.
- Automated Driving System “takeover”

Manual Control
Drivers can activate if the vehicle is in Park or Parking Brake engaged

- Smart screen control
- Button near Hazard lights
A platform that allows Stellantis to bring an unparalleled level of personalization to the customer experience by seamlessly weaving customer interactions with the vehicle into their lives and routine.
Multi-modal

Cloud First

Empathetic UX

Continuous evolution

Closed loop feedback

Intelligence in Cloud

UI visualizing Car’s thinking

Engage all Senses

Smart Cockpit is designed with the foundational concept of improving experience everyday and not waiting for FOTA.

Visualization will engage users into the car’s thinking and decision making process based on several physical and synthetic sensors.

The user experience will be beyond touch and voice. All inputs and outputs will be leveraged to provide a multi-sensory engagement with user.

Smart Cockpit learns to improve its logic by tracking customer feedback and reaction to the recommendations.
COMING SOON
developers.stellantis.com

STELLANTIS

Developers

Account

Vehicle Data
Retrieves array of recent data sensor values
Retrieves last known data sensor values for a vehicle

Remote Commands
Sends remote commands to vehicle

Feedback
Submit general feedback, questions, and issues
Submit Bug Report

Request samples
POST /v1/{vin}/remote

Payload

Content type
application/json

```
{
  "command": "START",
  "pin": 1234
}
```
Thank you