STELLANTIS

Automotive

KEY DATA

Team Size: 50 Engineers Time: Since 2007 Location: Sèvres, France/lasi, Romania/ Rabat, Morocco/Bangalore, India **Work Package**

ALTEN ADDED VALUE

With its diverse team, ALTEN can technically advise Stellantis and fit its needs

Successful nearshoring of nearly 75% of activities

Flexibility and reactivity (maintaining skills and know-how while handling fluctuating workload)

KEY TOOLS & TECHNOLOGIES PLM CATIA, ENOVIA, EEA, MATLAB/Simulink,

Stellantis-specific tools

ALTEN TECHNOLOGY

Delivery

- design file

 - Functional diversity management

 - Traceability management

TECHNICAL SPECIFICATION AND ARCHITECTURE INTEGRATION OF ELECTRICAL AND ELECTRONIC VEHICLE FUNCTIONS

OVERVIEW

ALTEN supported Stellantis' electrical and electronics system development department by carrying out the technical function specification and the integration into the global E/E architecture of existing and future vehicle functions.

Scope

- Vehicle environment: exterior lighting, wiping and washing, HMIs. etc.
- Infotainment and HMI: navigation, emergency and assistance calls, audio/radio, remote functions, data management, etc.
- **Cabin**: air conditioning, vehicle accesses, etc.

PROJECT DETAILS

Responsibilities

ALTEN was responsible for carrying out the functional design and its allocation on the existing E/E architecture based on the services specification (requirements).

- Functional analysis, modeling, and structural diagrams
- Update of the global electrical and electronics architecture
- Intersystem specification





