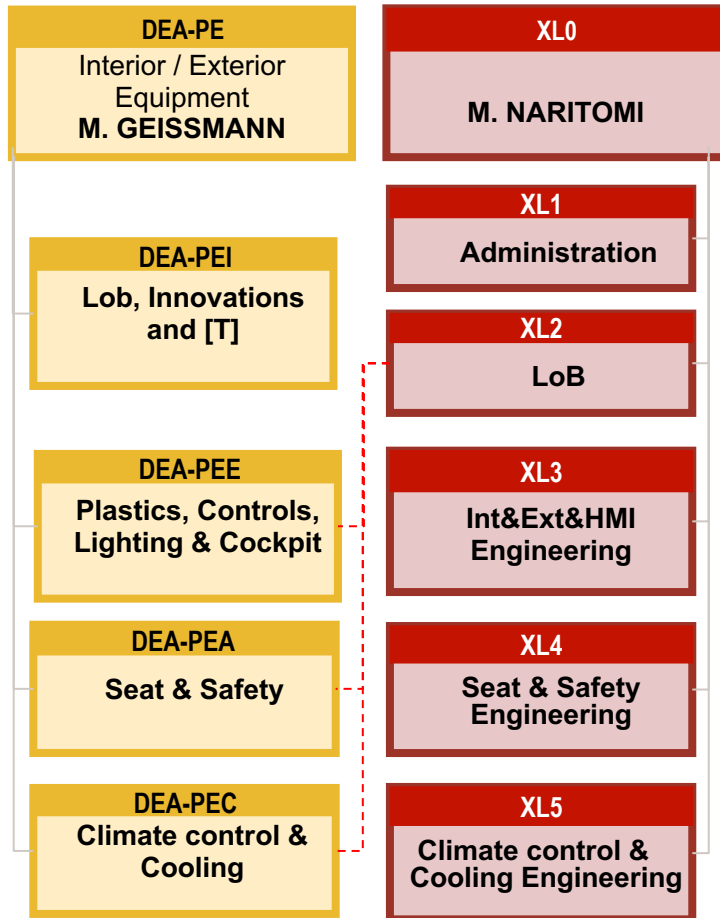


# III. DEA-P ORGANIZATIONAL MISSIONS

## DEA-PE ORGANIZATIONAL MISSIONS



Missions
<ul style="list-style-type: none"> <li>▪ To create Alliance Synergy</li> <li>▪ To create Design Standard</li> <li>▪ To develop a functional modular approach to maximize components commonality</li> <li>▪ To reach TdC Cost Reduction</li> <li>▪ To create [T] Strategy</li> <li>▪ To develop Advanced Eng.</li> <li>▪ To develop System &amp; Component and achieve related target QCT (HMI, Safety, Climate&amp;Cooling ctrl)</li> <li>▪ To achieve Top Level Quality</li> </ul>

Deliverables
<ul style="list-style-type: none"> <li>▪ Commonality expansion</li> <li>▪ BIGModule/System/Part Strategy</li> <li>▪ Standard Convergence</li> <li>▪ Synergy(Competitive Tech./Cost)</li> <li>▪ Technical standard, Development Process, Systems and parts specification</li> <li>▪ Modules &amp; related investment plan</li> <li>▪ Sourcing strategy</li> <li>▪ Progress plan / milestones management</li> <li>▪ Cost reduction &amp; avoidance</li> <li>▪ LoB Strategy update to enhance OaO</li> <li>▪ Valuable Technologies &amp; Features AE ready for Product Development</li> <li>▪ System &amp; technical roadmaps</li> <li>▪ Field Quality Plan, 'Métier' commitments('EQM')</li> <li>▪ Validation plan</li> <li>▪ Competency &amp; Career management plans</li> </ul>

### III. DEA-P ORGANIZATIONAL MISSIONS

# DEA-PE EXPERTISE

Domain (DES) Expert Leader	Division	Sub-Domain Expert	Division
DEA-T Aerodynamics and Thermal Management	DEA-PE	Air Conditioning System	Thermal Comfort Control & Tools
			Cooling System Components & EHRS
			Heating Ventilation Air Conditioning Unit
			Refrigerant, AC Efficiency
			Energy Balance & Thermal Simulation
			Battery Cooling System
DEA-M - Driveline Structure Technology		Drivetrain Actuation & Gear Shifting	External commands
DEA-S - Electronics Reliability Tech.		Lighting	-
DEA-T Passive Safety		Security equipment	Seat belts
		Safety Restrain System	Seats
			Airbags – Pyrotechnic
			Safety systems
DEA-T Polymers, Characteristics and Processing	Composites & Polymers Parts Design	Design of Polymers Parts/Thermal Behavior	
		Design of Glass Fiber Reinforced Polypro.	
		Design of Unfilled or Mineral Filled Polypropylene Parts	
	Plastic Surface Functionalization	Organic Decorations	
		Grains on Plastic Parts	
		Polymer Skins	
	Commodity Polymers	Polyolefin & Styrenic	

### III. DEA-P ORGANIZATIONAL MISSIONS

## DEA-PE EXPERTISE

Domain (DES) Expert Leader	Division	Sub-Domain Expert	Division	Specialty Referent
<b>DEA-T</b> <b>Aerodynamics and Thermal Management</b>	DEA-IR	Innovative Solutions for Thermal Management and Performance	<b>DEA-PE</b>	Thermal Exchange Physics and New Solutions
				Thermal simulation hot and cool loop
	DEA-MM	Thermal Management & Cooling System		Thermal Management System
<b>DEA-S</b> <b>Electronics Reliability Technology</b>	DEA-SA	Sensors & Actuators		Pyrotechnic / Airbag Components
<b>DEA-S</b> <b>Human Machine Interface</b>	DEA-SM	Displays and Controls		HMI Controls EE Technologies
<b>DEA-S</b> <b>E/E Architecture</b>	DEA-SI	Vehicle Electrification E/E Architecture		Electrified Vehicle components

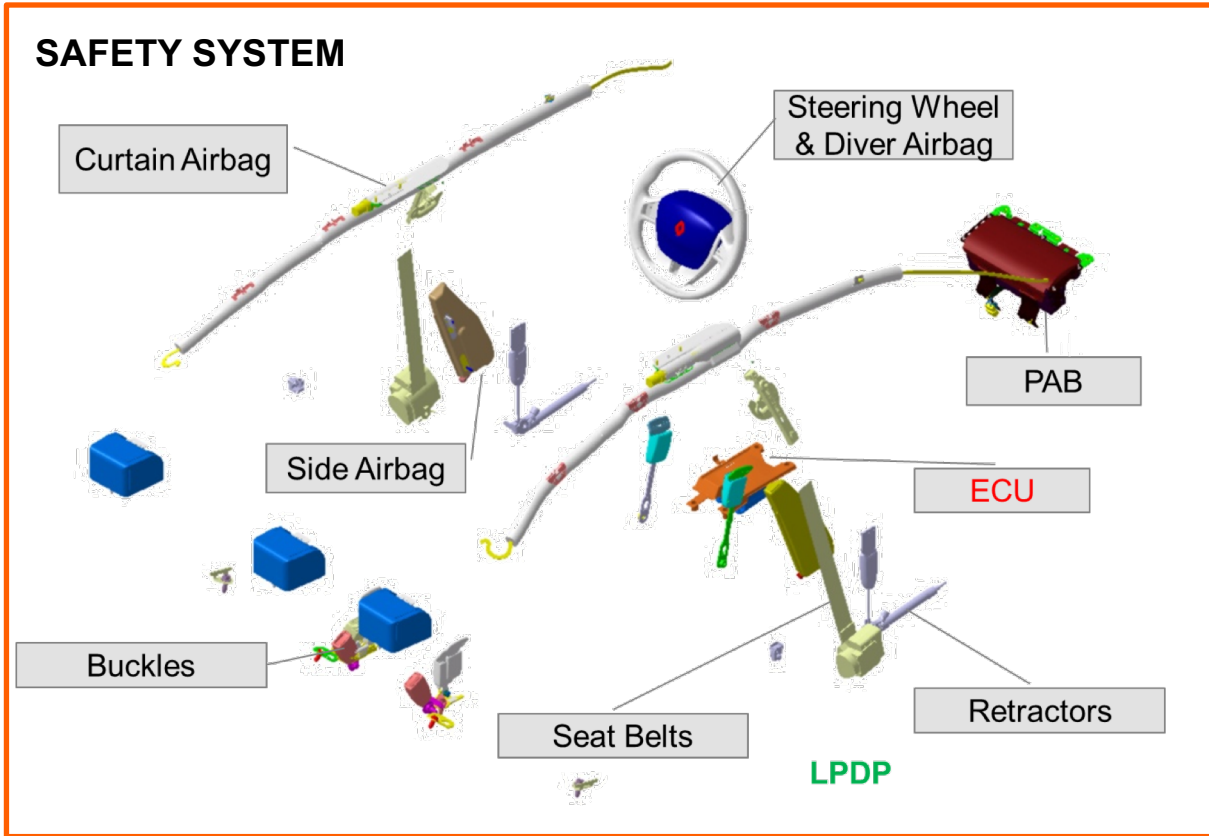
# III. DEA-P ORGANIZATIONAL MISSIONS

## DEA-PEA PARTS

### SEAT & SAFETY

**RENAULT-NISSAN-MITSUBISHI INTERNAL**

- HPDP** Managed by DEA-P upstream & DEA-V downstream
- LPDP** Managed by DEA-P only



### SEATS

#### Frames

- Front Frame
- Rear Frame

The illustration shows two types of seat frames: a front seat frame and a rear seat frame, both shown in a disassembled state.

#### Seat Kits

- Foam
- Covers
- Fabrics
- Plastic
- Headrest
- Other components

The illustration shows various components of a seat kit, including foam pieces, covers, fabrics, plastic parts, and a headrest, arranged around a partially assembled seat.

#### JIT

- Supplier Seat assembly (BUY)
- R/N plant Seat assembly (MAKE)

The illustration shows a person working at a workstation, assembling a seat component.

# III. DEA-P ORGANIZATIONAL MISSIONS

## DEA-PEE PARTS 1/3

### PLASTIC, LIGHTING & COCKPIT

RENAULT-NISSAN-MITSUBISHI INTERNAL

- HPDP** Managed by DEA-P upstream & DEA-V downstream
- LPDP** Managed by DEA-P only

#### LIGHTING AND SIGNALING



#### DECORATIVE PARTS



### III. DEA-P ORGANIZATIONAL MISSIONS

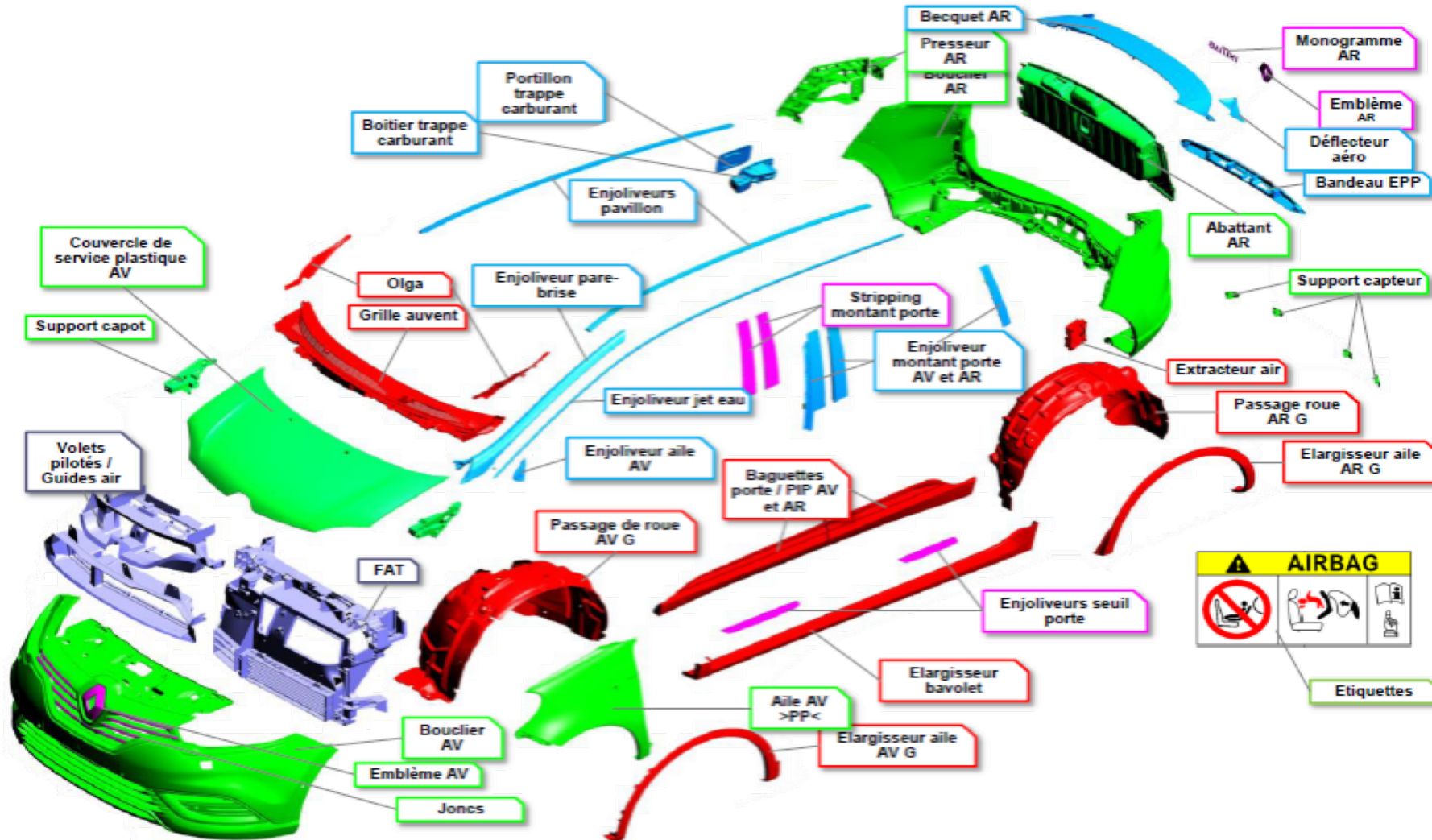
# DEA-PEE PARTS 2/3

## PLASTIC, LIGHTING & COCKPIT

RENAULT-NISSAN-MITSUBISHI INTERNAL

- HPDP Managed by DEA-P upstream & DEA-V downstream
- LPDP Managed by DEA-P only

### EXTERIOR TRIMS



# III. DEA-P ORGANIZATIONAL MISSIONS

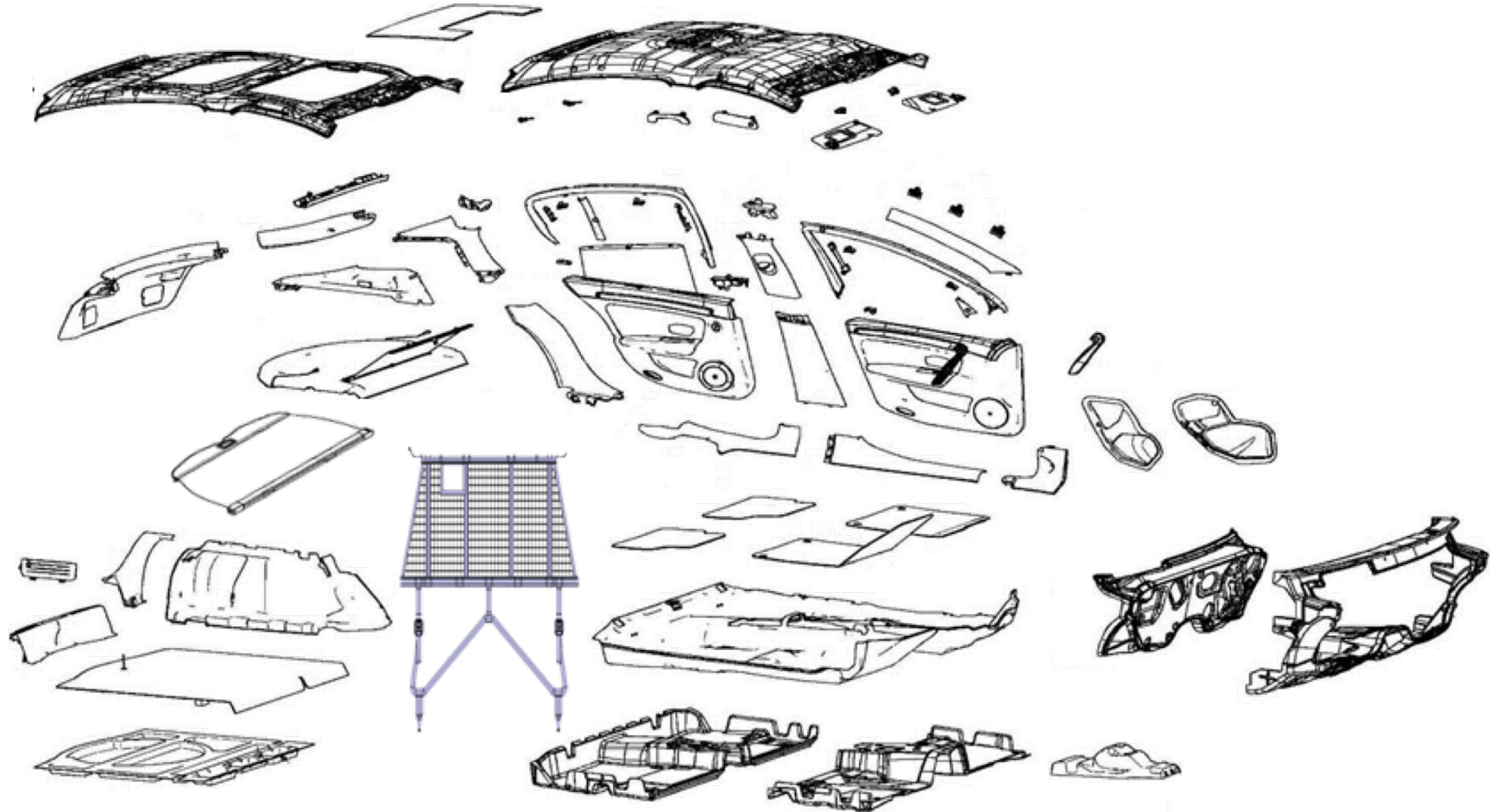
## DEA-PEE PARTS 2/3

### PLASTIC, LIGHTING & COCKPIT

RENAULT-NISSAN-MITSUBISHI INTERNAL

- HPDP Managed by DEA-P upstream & DEA-V downstream
- LPDP Managed by DEA-P only

#### INTERIOR TRIMS



# III. DEA-P ORGANIZATIONAL MISSIONS

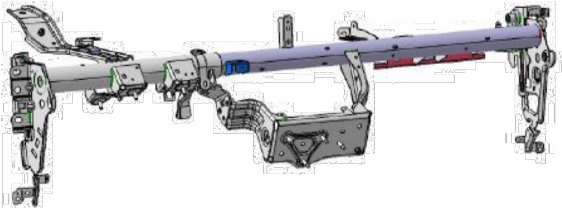
## DEA-PEE PARTS 3/3

### PLASTIC, COCKPIT & CONTROLS

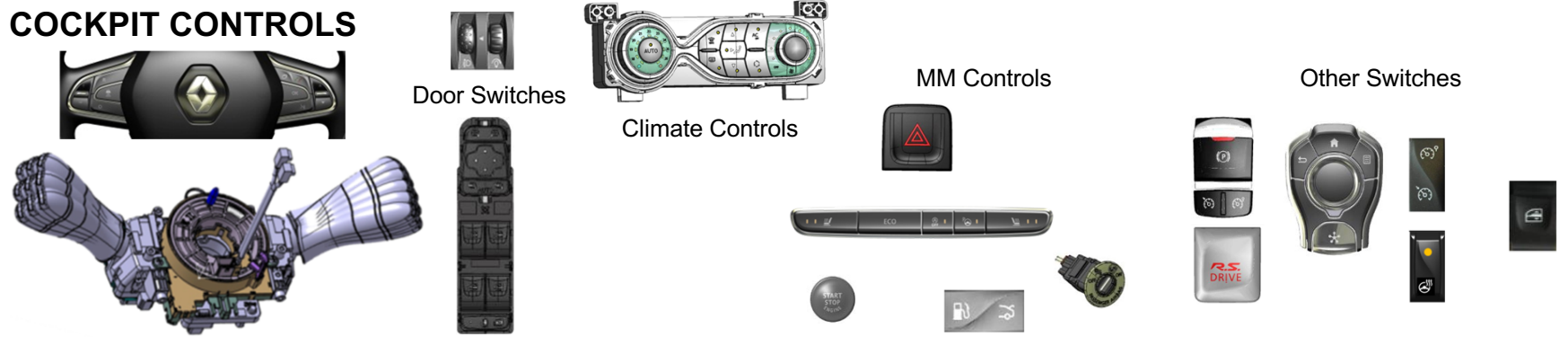
**RENAULT-NISSAN-MITSUBISHI INTERNAL**

- HPDP** Managed by DEA-P upstream & DEA-V downstream
- LPDP** Managed by DEA-P only

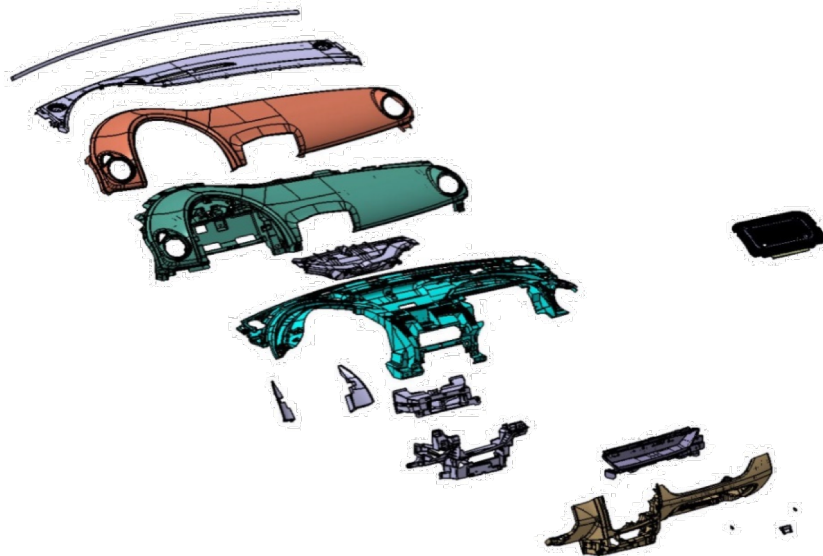
#### CROSS CAR BEAM



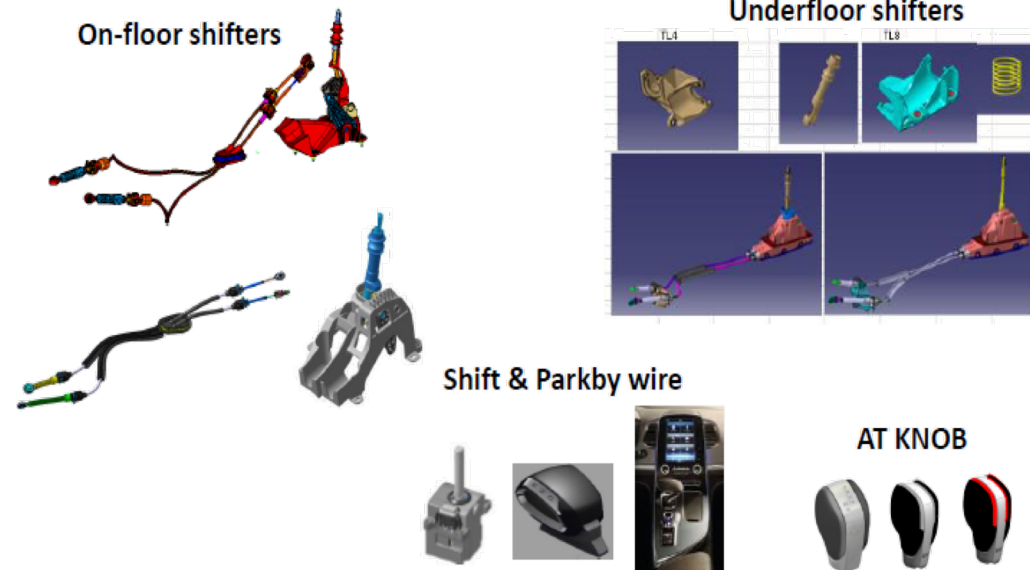
#### COCKPIT CONTROLS



#### INSTRUMENT PANEL & CONSOLE



#### MT&AT SHIFTER – MT KNOB





# III. DEA-P ORGANIZATIONAL MISSIONS

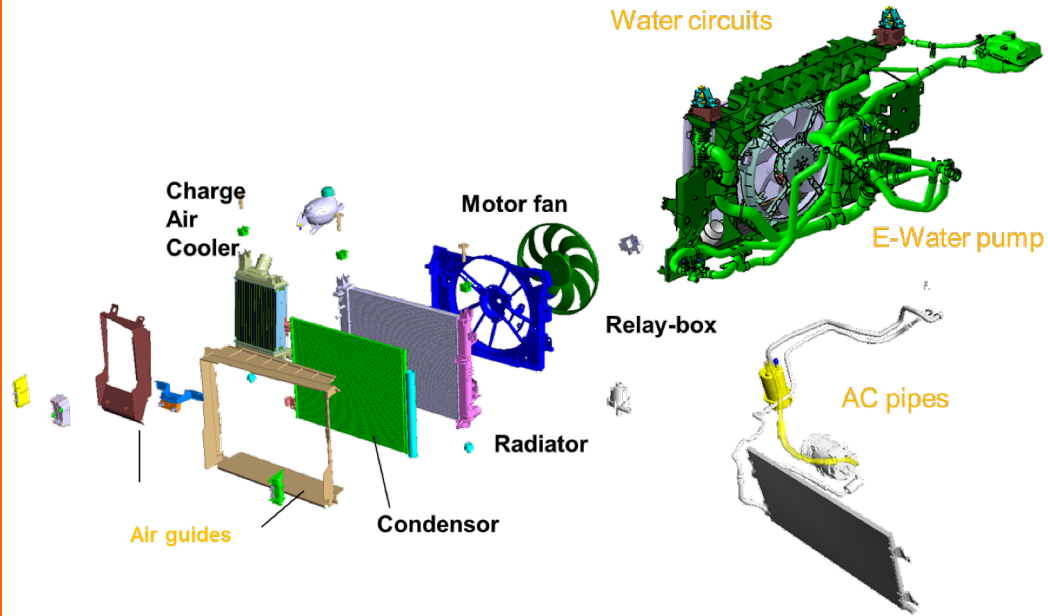
## DEA-PEC PARTS

### CLIMATE CONTROL & POWERTRAIN COOLING

RENAULT-NISSAN-MITSUBISHI INTERNAL

- HPDP Managed by DEA-P upstream & DEA-V downstream
- LPDP Managed by DEA-P only

#### POWERTRAIN COOLING



#### CLIMATE CONTROL

