

KET*

Focus on (*) Key Enabling Technologies - nanotechnologies, advanced materials, advanced manufacturing and processing

360

INNOVATE TOGETHER

27th June 2019 - Strasbourg - FRANCE

MAIER S.Coop Automotive end user

NMP, FoF
ICT, SC5, Transport

Decoration - Innovative multi-technology to give high aesthetic value to the product from our different plants

Mastery of Parts with a High Functional Complexity



Maier Group
Surfacing the function



Exterior

- EV charge Ports/ Fuel Tank Flaps** [opening, closing, access, lighting]
- Wheel Trims** [protection, aerodynamics, brakes ventilation, dismounting,...]
- Side Pillars** [windows guide, aerodynamics, ...]
- Cowl Louver** [water evacuation, aerodynamics, pedestrian crash,...]
- Front Module** [engine ventilation, aerodynamics, ...]
- Parts under bodywork** [protection, aerodynamics, ...]
- Rear door garnish** [opening, lighting, ...]



Interior

- IP Components** [HMI, HVAC, lighting, ventilation, airbag,...]
- Door Panel components** [lighting, sound...]



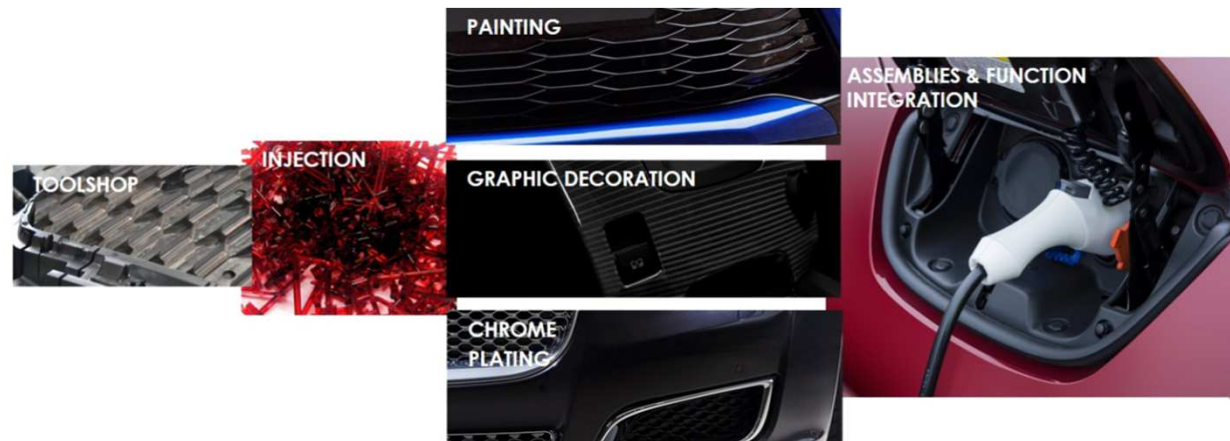
Main Customers



Focused on the search for new techniques and trends in the car decoration and functionalization

DESIGN, DECORATION, AESTHETICS			NEW TECHNOLOGY	PRODUCT FUNCTION
PLASTIC MATERIALS e.g. Bioplastics, natural fibers, recycled materials, composite aesthetics, weight reduction.	ELECTRODEPOSITION e.g. Plating, electroforetic varnish, colouring, ionic liquids, anticorrosion post-treatments, alternatives to Cr plating.	COATINGS e.g. Special paintings, UV, high brightness, antiscratch, self-healing.		
SURFACE TREATMENTS e.g. Laser, shot blasting, ink-jet, 3D printing, plasma and deposition, ceramic and deposition, brushing, serigraphy, polishing.			to process new materials, to apply new coatings, to apply new surface treatments, to apply new electrochemistry	Electronic, printed electronics (IME), Lighting, Sensors, Others.
VEHICLE OF THE FUTURE Connected car, autonomous driving, HMI, protection systems for the new interior concepts, integration of electro-mechanical vehicle architectures, components and control systems.				
ADVANCE MANUFACTURING Additive Manufacturing, Colaborative Robotics, Augmented reality, Computer vision,				
INDUSTRY 4.0 Ciber Physical Systems, Cloud-Computing, Big data, Cibersecurity.				

Integration of Technologies



Searching for projects /partners

NMPB - FOF - SPIRE 2020

DT-NMBP-04-2020: Open Innovation Test Beds for bio-based nano-materials and solutions (IA)

Interested in testing and validating bio-based thermoplastics that provide new functionalities by including nano-materials surfaces (such as Antiscratch, Selfhealing, Selfcleaning, Colour change, easy to plate, easy to paint, etc.) or improve their mechanical properties (thermal and impact resistances)

DT-FOF-11-2020: Quality control in smart manufacturing (IA)

Interested in testing new automated quality control methods for chrome plating, coating and injection moulding towards Industry 4.0

CE-SPIRE-09-2020: Making the most of mineral waste, by-products and recycled material as feed for high volume production (IA)

Interested in testing and validating thermoplastics filled with mineral waste to obtain 100% recycled materials for aesthetical automotive components

BBI 2020

Interested in testing and validating biomaterials for automotive plastic parts

SC5 2020

CE-SC5-07-2019-2020 - Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes

Interested in testing and validating recycled and recyclable materials for automotive plastic parts

ICT 2020

ICT-09-2019-2020 - Robotics in Application Areas

ICT-10-2019-2020 - Robotics Core Technology

On both topics, MAIER is interested in testing and validating the integration of different robotics solutions for the production processes of automotive components (e.g. cobots, bin picking)

Fast Track to Innovation (FTI) 2020

TRANSPORT 2020

Interested in the vehicle of the future and topics related such as autonomous vehicle, v2v and v2x communication, new vehicle design, integration of new functionalities,...



Contact details



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Previous EU Projects

<http://www.nanoclean-project.eu/>
<http://scailup.eu/>
<http://www.lashare.eu/>
<http://www.plast4future.eu/>
<http://music.eucoord.com/home/body.pe>
<http://www.roll-out-2020.eu/>
<http://trash2cashproject.eu/>
<http://www.beincpps.eu/>
<http://www.izadinano2industry.eu/>
<http://www.eirosproject.com/>

On going EU Projects

<http://www.bio4self.eu/>
<https://biomotive.info/>
<https://www.ecobulk.eu/>
<http://fibereuse.eu/>
<https://www.polynspire.eu/>
<http://decoat.eu/>
REPAIR3D <https://cordis.europa.eu/project/rcn/220183/factsheet/en>
LEE-BED <https://cordis.europa.eu/project/rcn/220125/factsheet/en>
PROMETHEUS <https://cordis.europa.eu/project/rcn/219129/factsheet/en>
CREATOR <https://cordis.europa.eu/project/rcn/223234/factsheet/en>