International Brokerage Event
Brussels, 26-27/10/2017

CITIES OF THE FUTURE
BRUSSELS 2017

Mercedes-Benz Türk. Gururla 50 yıl.

Mercedes Benz Türk A.Ş.

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Development Truck, MBT R&D Center, Istanbul

Description of the Organization

CITIES OF THE FUTURE
BRUSSELS 2017

With our remarkable milestones, Mercedes-Benz Türk is among the largest foreign direct investments in Turkey!











1967 | 1986 | 1995 | 2000 | 2007 | 2009 | 2009 | 2013 | 2015 | 2016 | 2017

Foundation of "OTOMARSAN" Davutpaşa Bus Factory

Foundation of Aksaray Truck Factory

Foundation of Hoşdere Bus Factory

Opening of Marketing & Sales Center

Opening of Head Office

Inauguration of Used Vehicle Center

Inauguration of R&D Center (Truck & Bus)

Inauguration of Global IT Hub

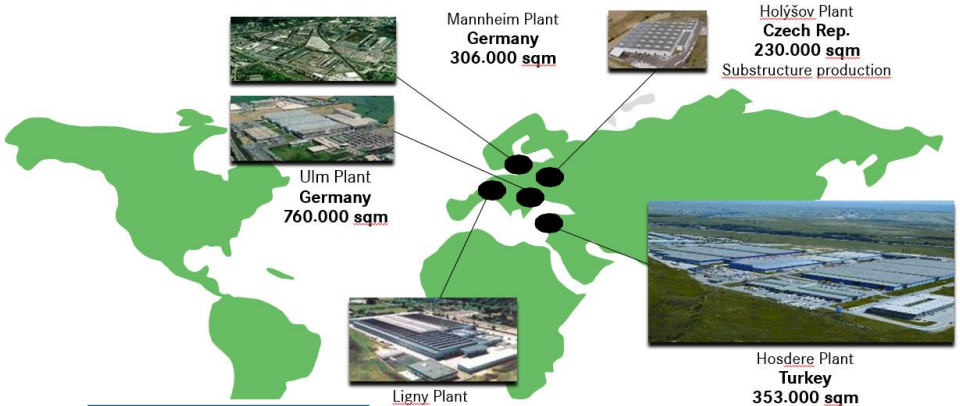
Extension of Marketing & Sales Building

Start of Aksaray Plant Capacity Extension

Aksaray 2. R&D Center Groundbreaking Ceremony

Description of the Organization

Bus Production Network



Setra Low Entry

MB Introuro

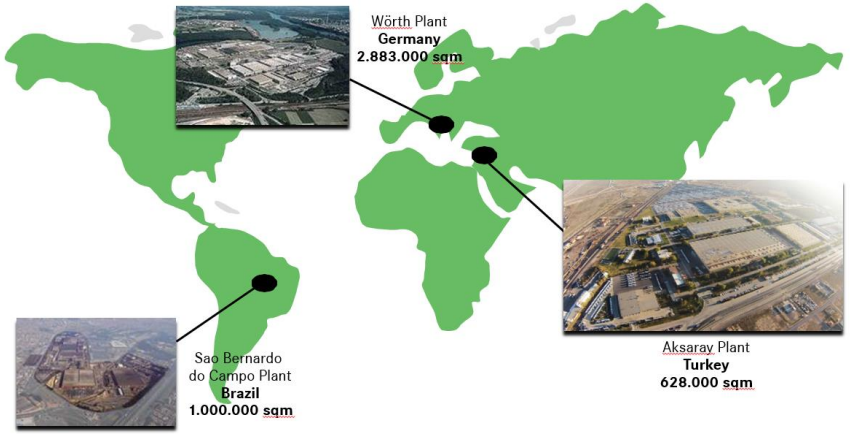
MB Conecto S&G

New MB Travego

MB Tourismo

Setra UL Business

Truck Production Network



ACTROS

AROCS

Description of the your research interest

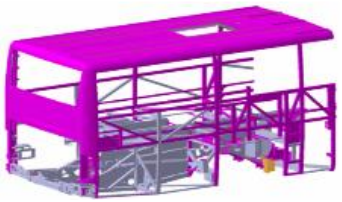
CITIES OF THE FUTURE
BRUSSELS 2017

Our Certified R&D Center adds value to our operations as the backbone of development work of Daimler Trucks and Buses!

Development Bus



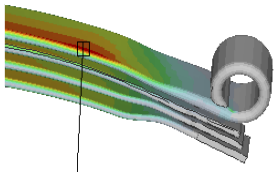
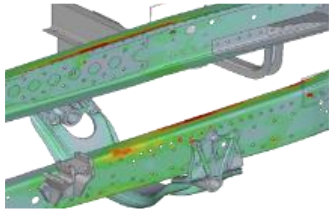





180 Engineers

Development Truck




195 Engineers

* As of 30.09.2017

We are working on industrialization for each of our R&D projects!

Description of the your research interest

RECOTRANS (Integrated manufacturing of REciclable hybrid metalthermoplastic COmposites for the TRANSport sector)

Application Date:
19/01/2017

Call FoF 07

«Integration of unconventional technologies for multi-material processing into manufacturing systems»

FoF : Factories of the Future

Aim of the Project

Replacing conventional materials with composites in **order to reduce the costs** and **emissions**, and **increase efficient use of energy and resources**.

Major Challenge

This project attempts to develop a multimaterial part (metal-thermoplastic composite) recyclable with a circular economy approach, and at the same time give a strong impetus to the re-industrialisation of the EU, by developing and deploying new approaches and technologies.

Main Partners:

AIMPLAS Plastics Technology Centre Coordinator of the Project	Mercedes Benz Türk End user truck Partner	Istanbul Technical University Partner	FAR-UK MW RTM Techology Partner	ICT Fraunhofer MW Technology Partner
	STADLER End user railway Partner	GESTAMP End user automotive Partner	ARKEMA Materials producer Partner	TECNOCLAD Laser Technology Partner

Possible Calls

Transport:

MG-2-9-2019: Integrated multimodal, low-emission freight transport systems and logistics (Inco Flagship)

MG-3-3-2018: "Driver" behaviour and acceptance of connected, cooperative and automated transport

MG-4-2-2018: Building Open Science platforms in transport research

DT-ART-01-2018: Testing, validation and certification procedures for highly automated driving functions under various traffic scenarios based on pilot test data

LC-GV-04-2019: Low-emissions propulsion for long-distance trucks and coaches

LC-GV-07-2020: Advanced light materials and their production processes for automotive applications

Possible Calls

NMBP

DT-FoF-03-2018: Innovative manufacturing of opto-electrical parts (RIA)

Improving bonding Technologies of the parts, that originate from recycled products and materials. Reducing problems in components by developing the joining methodology.

DT-FoF-12-2019: Handling systems for flexible materials (RIA)

System solutions that address and manage all product and material related data (size, shape, weight, colour, material composition, defects, etc.) so that their automated handling can be embedded in larger production and process management systems.

DT-NMBP-09-2018: Accelerating the uptake of materials modelling software (IA)

Software packages to be developed should create a modelling framework allowing the seamless integration with and re-use of various existing models used in industry. Coupling and linking of models should allow reliable top-down and bottom up design of new materials and processes for faster product development.

CE-SPIRE-08-2020: Improved Industrial Processing using novel high-temperature resistant materials (RIA)
CE-SPIRE-09-2020: Making the most of mineral waste, by-products and recycled material as feed for high volume production (IA)
CE-SPIRE-10-2018: Efficient recycling processes for plastic containing materials (IA)

Possible Calls

NMBP

DT-NMBP-10-2019: Translation of manufacturing problems into materials modelling (RIA)

Apps should be developed that will enhance the ability for manufacturing companies (end-users) to do an effective search of numerical tools and/or providers of numerical simulations. They should facilitate the building of the required workflows while removing the underlying complexity of the model in order to solve a specific problem.

DT-NMBP-19-2019: Advanced materials for additive manufacturing (IA)

Joint development with material suppliers and end-users is required for a rapid uptake by industry; and modelling, standardisation and regulatory aspects (especially safety and nanosafety) and the process and materials qualification. Metal- polymer joinings should be developed by taking loading & boundary conditions and mechanical properties in considerations.

Environment:

CE-SC5-07-2018-2019-2020: Raw materials innovation for the circular economy: sustainable processing, reuse, recycling and recovery schemes

SC5-09-2018-2019: New solutions for the sustainable production of raw materials

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