



Expression of interest

Contact details

Country	TURKEY
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Short description of the organisation

Provide a short description of the equipment available, the relations with the industry, the profile of the main researchers

In 1966 MAN founded MAN A.S. in Istanbul, MAN's first production site outside Germany. One year later MAN launched truck production and another year later, in 1968, bus production. At the time, MAN's tipper truck was a trailblazer. The triple-axle tipper truck, which rolled off the production line in large numbers, was painted red, giving it the nickname "Red Nose". In 1985 MAN shifted truck production to the capital, Ankara, where MAN already had an engine plant. In 1995 MAN sold the plant in Istanbul to concentrate on manufacturing city buses and touring coaches in Ankara. Truck production was eventually discontinued.

In 2006 MAN produced the first bus powered by compressed natural gas (CNG) in Turkey. To- day there are around 1,300 MAN CNG buses used for the city of Ankara - the largest CNG fleet in the world. Since 2010 MAN Türkiye has had a research and development centre and since 2011 MAN's largest CDP unit in Europe.

As part of the drive to reorganise and increase the efficiency of the bus production network, in 2014 bus manufacturing was moved from the NEOPLAN site in Plauen to Ankara. From May 2015, the former NEOPLAN plant in Plauen will take on a new role in the MAN structure: the site is set to become a new Bus Modification Centre (BMC) for MAN and NEOPLAN public transport buses and coaches.

With the 1000 R&D Personnel employed In the R&D Center of MAN Türkiye A.Ş, the main activity areas are the design and development of interior and exterior components, bodyframe, electrical components, A/C Systems and Engineering Architecture, ADAS systems for autonomous vehicles in Product Development; and improvement and development of welding and assembly methods and chemical procedures in Production Development.



Specific skills related to the project

Indicate the specific skills and competence in relation with “ HORIZON-CL5-2024-D6-01-06: Optimising multimodal network and traffic management, harnessing data from infrastructures, mobility of passengers and freight transport “ topic

- From the 6 perspectives published in the study program; “Designing and testing innovative multimodal network and traffic management services, offered by public and/or private stakeholders, which can be operated at network centres (e.g. at cities or hubs) and/or decentralised level (e.g. by users or vehicles/vessels themselves)” is suitable for our company Considering that testing activities were completely shifted from Munich to Ankara in 2021.

Man Türkiye A.Ş. is a globally known automotive company and offers many solutions on various technical area such as design, analysis, testing, validation, homologation, digitalisation, e-mobility, etc. with over 1000 R&D personnel with a wide range of expertise and competencies. Since we provide services all over the world with our city, intercity, coach and premium vehicles, it is aimed to contribute to the relevant project in subjects such as collecting data from our existing vehicles, contributing value to developments and testing processes. In addition, we can provide technical activities on especially data collection and testing processes can be carried out in our bus test site, which is currently installed in Ankara, where all testing activities are carried. It is planned to take a role in the project with our expertise in mentioned fields.

Proposed activities for the project

Indicate which activities you would like to implement during the project

- As MAN Türkiye A.Ş. , we are open to learn and develop new technologies, we already implement and carry out many activities focused on current technology developments regarding our vehicles like digitalisation, e-mobility, etc. For the implementation of the project in buses; Ee can perform all of the application, testing, homologation and validation activities in Ankara. So, we planned to contribute to the related project with especially testing and validation part since we have already bus testing area located in area where all kind of tested are carried out and furthermore we have vehicles all around the world in order to collect all kind of data for testing and validation progress.

References

Previous research project

Project acronym / starting date	Main objectives	Main activities	Role in the project
ESSGIAS 01.05.2020	Implementation and dissemination of an ergonomic passenger seat that can intelligently adjust the seat cushion according to road conditions	Application and validation of the system to the busses.	<ul style="list-style-type: none">• Implementation and dissemination of the project outcomes



Low Entry 01.01.2019	A passenger bus in the city and medium distance segment	All activities from designing with validation & homologation processes to the 3rd users	<ul style="list-style-type: none">• Designing• Prototype production and testing• Validation & Homologation
Intercity 01.01.2016	A passenger bus in the medium distance segment	Design activities	<ul style="list-style-type: none">• Designing
Skyliner 01.01.2014	Double decker coach	Design activities	<ul style="list-style-type: none">• Designing