

Human to Machine Interface by MTA

An “In-Vehicle” system with a central intelligent unit

Agritechnica, Hannover, November 12, 2017. MTA, a leading company in the development and production of a wide range of electromechanical and electronic products for major vehicle manufacturers, presents at Agritechnica 2017 the latest version of its Human-to-Machine Interface system.

Agricultural machines are more and more equipped with electronic devices such as displays and dashboards capable of visualizing the main operation parameters, as well as operating appliances connected to them. OEMs have been asking their Tier1 suppliers to provide systems capable of controlling such electronic devices, which were so far separate, or connecting to operations centres to monitor and operate vehicle features or appliances. This would dramatically reduce operating costs and down time during dealer’s service. The demand for integrated vehicle platforms capable of managing simultaneously telematics services and complex and consistent graphics on different displays has grown. Such platforms require powerful operating systems, while offering users total data security and safety.

Thanks to the know-how acquired in recent years in the development of intelligent dashboards and displays for different OEMs, with graphics with fast dynamics and very high-performance processors, MTA is able to offer a complete “In-Vehicle” system with state-of-the-art specifications featuring an “intelligent” central unit.

The central unit of the MTA system is developed based on a flexible and powerful architecture that makes use of the Jacinto 6 multicore microprocessor produced by Texas Instruments, which is renowned for its high computing power. It can handle up to 3 Full HD displays inside the vehicle, as well as collect and convey the information coming from the vehicle and from the LTE/4G connection. Furthermore, the unit is ready to be quickly adapted for additional functions based on specific customer requirements.

In addition to allowing the integration of information, the presence of this “electronic heart” developed by MTA makes the different displays become external devices of the system, thereby enabling OEMs to adapt the terminals and to add new features and functions in line with the rapidly evolving market, without making any changes to the core section of the system.

In developing its HMI system, MTA not only focused on the electronic central unit content, but also paid much attention to its ease of use, cooperating with specialised companies for this purpose.

MTA ad Agritechnica 2017, Hall 17 Stand C28

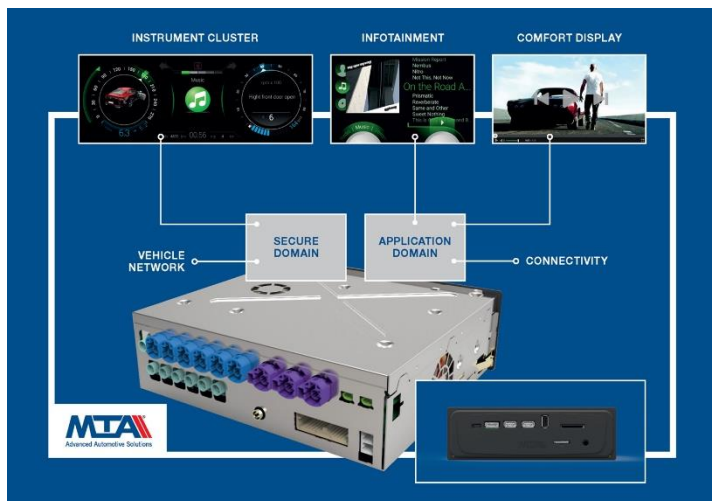
MTA S.p.A.

Registered office: Italy | 26845 Codogno (LO) - Italy | Viale dell’Industria, 12 | T.+39 0377 4181 F.+39 0377 418493

Local unit: 42047 Rolo (RE) - Italy | Via dell’Ecologia, 3 | T.+39 0522 1827201 F.+39 0522 1827266

Share Capital €8,000,000 fully paid | Companies Register, Tax ID, and VAT code IT00828540153 | REA 869922 | ID No. LO 000520
infoitaly@mta.it – www.mta.it

PICTURES







Human to Machine Interface by MTA, an “In-Vehicle” system with a central intelligent unit



Download - In-Vehicle Infotainment Video

MTA S.p.A. is a global leader in the development and production of a wide range of electromechanical and electronic products developed internally for the primary manufacturers of cars, motorcycles, tractors, and heavy vehicles. Founded in 1954, MTA has two production sites in Italy (Codogno and Rolo), 8 foreign sites, sales of about €180 million, and 1,200 employees.

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COM&MEDIA – MTA Press Office

Barbara Maggi – Silvia Casazza
T. +39 02 45409562 uffstampa@comemedia.it

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