

## **BA Systèmes, winner of the 2<sup>nd</sup> French National Outdoor Robotics Competition**

**Press Release - Rennes (FR), March 23<sup>st</sup>, 2017** - BA Systèmes, French leader in AGV-based intralogistics systems, was awarded at the 2<sup>nd</sup> French National Outdoor Robotics Competition for its latest automated vehicle, the HLT10, an outdoor shuttle.

The French Outdoor Robotics Competition, launched at the initiative of the French Ministry of Economy and Finance (DGE) and organized by ONERA within the framework of the "Nouvelle France Industrielle" i.e. New Industrial France, was held on March 7, 2017, at the Museum of Air and Space, in Paris Le Bourget.

### **A competition rewarding a robotic industry of French excellence**

This competition offered a panorama of technologically innovative robotic systems from French companies and laboratories in order to develop a growing industrial sector with strong growth potential. The prizes, awarded by a jury composed of robotics and industry professionals, were based on demanding criteria at the crossroads of many technological challenges, such as the quality of human/robot interaction, economic impact, labor pain reduction, technological innovation, ease of implementation and, of course, safety.

### **The synergy of BA Robotic Systems Group's expertise in robotic innovation**

BA Systèmes' HLT10 (Heavy Load Truck with a payload of 10 tons), awarded with the video prize (for those who could not move their demonstration), is an automated shuttle-type vehicle dedicated to transporting heavy loads between buildings.

Stemmed from the expertise of BA Systèmes in mobile robotics for intralogistics applied to robotics in an outdoor environment, this shuttle of 8.2 m by 2.7 m concentrates several technological innovations which guarantee:

- Reliable and efficient automated guidance in an outdoor environment thanks to odometry and an inertial unit,
- Autonomy in energy thanks to Li-Ion batteries and an automatic opportunity charging,
- Optimum safety of the outdoor shuttle's autonomous operation thanks to a chain consisting of a PLC, laser safety scanners and signage devices.



The HLT can handle 18 pallets simultaneously. Flexible, the shuttle can be equipped with a refrigerated box equipped with motorized chain or roller conveyors or with a simple platform for manual or automatic loading. Provided with AGV Manager, a fleet management software, designed and developed by BA Systèmes, an HLT10 type of AGV fleet interfaces directly with the customer's plant management tool.

Philippe Bidaud, Scientific Director of the Information Processing and Systems Division at ONERA, testifies: *"The ONERA Outdoor Robotics Competition organized by the Directorate General for Enterprises aimed at identifying and highlighting key innovations in the field of navigation and more broadly the safe operation of robotic systems in complex environments. The HLT10 project is a superb illustration of the French innovation potential in this field!"*

BA Systèmes is part of BA Robotic Systems Group in which innovation has been placed at the heart of the Group's development. For several years, the group has demonstrated its commitment to diversification in numerous mobile robotic applications and in the production of prototypes and innovative industrial robots.

The HLT10 is now in an industrialization phase and a prototype is already operating in real conditions at one of BA Systèmes' customers' site.

#### **About BA Systèmes**

French leader in intralogistics systems based on AGV, BA Systèmes supports industrial companies in the full automation of their flows. Over 300 sites in Europe are equipped with BA Systèmes' solutions, hence improving the productivity, flexibility and reliability of processes of Nestlé, L'Oréal, Kraft Food or even Heineken.

Involved in a permanent innovation process recognized by international awards, BA Robotic Systems group develops its expertise in mobile robotics to provide its customers with the cutting-edge technologies. Innovative applications are implemented by dedicated subsidiaries in the medical, port and industrial fields.

More information on: <https://www.basystemes.com>

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