

Easyrain and GALT. announce a partnership to enhance driving safety

The famous racing driver Tazio Nuvolari, Formula 1 legend from the '30s, once said: "What do I need brakes for? I do not know: I have not used them much!". Nuvolari was making a joke with the reporters, but today the answer to that question is not so obvious. "What do we need brakes for?"

Brakes are needed to slow down and fully stop a vehicle, this is clear. But it is not just that: soon, brakes will be able to communicate with the vehicle and offer smart functionalities, with the aim of sending information to the car and to the driver, ultimately improving safety.

This is where the partnership between two innovative start-ups in the field of road safety comes to play. GALT., an ITT start-up, that has developed the first sensorized brake pad. And Easyrain, the auto-tech company focusing on road safety for human-driven and autonomous vehicles, offering a complete product ecosystem of safety solutions to enhance vehicle safety in low grip condition.

Easyrain aims to enhance the performance of the EDP platform (Easyrain Digital Platform), which features patented virtual sensors including the DAI (Digital Aquaplaning Information), that detects various level of water layers on the road. Combining the EDP with GALT.'s technology and sensorized brake pads, Easyrain and GALT. have the ambition to expand the areas of intervention of vehicle's safety systems and improve their performance.

The initial result of this collaboration is the development of the first Easyrain-GALT. integrated system, which will be installed on the Picasso LMS 660. The Swiss car, currently under development, will be the first supercar in the world with safety features on wet asphalt and equipped with sensorized pads. The combination of technologies will allow the Picasso LMS 660 to maximize performance under braking and in wet conditions.

The first GALT. product, among those currently in development, is a high-performance brake pad with an embedded temperature sensor. The resulting measurements, carried out so close to the brake disk, will help the driver to better manage the temperatures of the braking system, to achieve the best possible performance.



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Within the partnership, Easyrain will provide its cloud platform ERC (Easyrain Cloud), to make the vehicle connected: through data collection, including those collected by EDP and GALT. Smart Pad, car safety systems will be constantly improved, as well as loaded online remotely.

Giovanni Blandina, CEO and founder of Easyrain

I am glad to announce the partnership between Easyrain and GALT., companies sharing the same future-oriented vision. As we are guided by innovation, this partnership adds values to both growth path. I'm sure that together we will travel unexplored roads to improve vehicle safety and performance.

Giorgio Dodero, General Manager at GALT.

Our goal is to further improve vehicle safety whilst enhancing driving pleasure and its maintenance, kick-starting the brake digital revolution from the pad. The combination of GALT. and Easyrain competences marks a first step towards the digitalization of the corner. We will continue to amaze car makers and drivers with the release of new functionalities that will make the shift to a crash-less mobility faster.

About Easyrain

Easyrain is an innovative start-up founded in 2013 by Giovanni Blandina, current CEO, with the aim of saving lives and reducing road fatalities. To fulfill this mission, Easyrain is developing an entire ecosystem comprising three areas. The first is focused on the development of AIS (Aquaplaning Intelligent Solution), the first active system in the world capable of restoring car grip in the event of aquaplaning or loss of control due to very wet asphalt. The second is focused on the development of the EDP platform (Easyrain Digital Platform), capable of hosting a series of innovative virtual sensors that, without the addition of dedicated hardware, are able to recognize the different safety levels of the car in based on the different road surfaces, allowing you to activate an infinite series of new safety features. The third area is focused on the Easyrain Cloud and the enormous potential associated with the connected vehicle.

About GALT.

GALT. is the start-up owned by ITT Inc., a world leader company in the production of brake pads and friction materials for cars and light commercial vehicles. The mission of GALT. is to create intelligent brake pads that increase the safety of the driver. The idea is to transform the brake pad from an inert and passive object to an active component that collects data and communicates in real-time with the vehicle and the driver. The challenge of GALT. is to integrate sensors inside the pad, which can reach high temperatures (above 400° C) both while driving and during the production phases, keeping its physical characteristics, braking performance and production process unchanged. The first version of the GALT. Smart Pad is a brake pad equipped with a built-in sensor that continuously monitors the brake temperature. Drivers are then warned in real time if they are over-stressing the braking system or there is a failure that creates an abnormal overheating condition of the brakes. GALT. it is also completing the development of a proprietary algorithm that allows to know the thickness of the pad and therefore have a continuous indication of its residual life. A further version of the GALT. Smart Pad is already under development. The insertion of 2 new sensors is foreseen that will detect further information (braking torque, residual braking torque, friction coefficient data) key to increase the safety and effectiveness of the braking systems of the future for highly automated vehicles and autonomous.