



3D SIMULATION SERVING THE ENVIRONMENT

TALLANO Technologie has chosen KEONYS for the analysis and calculation aspect of the design and development of Tamic®, the first suction brake dust collector

Suresnes, October 13, 2015 – KEONYS, the European integrator and distributor of PLM* solutions, has announced the signing of a contract with the company TALLANO Technologie, a French start-up, which has developed cutting edge technology to reduce brake dust emissions.

*"In 2014, we conducted a study based on data from INSA (National Institute of Applied Sciences) in Lyon showing that the pollution caused by brake dust microparticles is **six times greater** than that emitted by the exhaust pipe of a new vehicle,"* states Christophe Rocca-Serra, President and founder of TALLANO Technologie.

Based on these findings, the company, in partnership with INSA in Lyon and engineering school Arts et Métiers ParisTech, is developing and designing Tamic®, (Turbine Aspirante MICroparticules – translated as Microparticle Suction Turbine), a patented innovation which, by installing a small suction turbine, allows the collection of more than 90% of fine particles emitted into the atmosphere by road and rail transport braking systems.

"The structural simulation aspect was one of the major technological issues of the project," Keonys President, Isabelle Yung-Lafargue explains. "In collaboration with TALLANO Technologie, *our analysis and calculation experts conducted studies to validate the mechanical resistance and understand the effects of vibration on the Tamic® mechanical system.*"

"The Tamic® technology is the first of its kind in the world," says Christophe Rocca-Serra. "We are now able to offer our turnkey engineering solution to all automobile and rail vehicle manufacturers worldwide. We will continue to draw on Keonys's expertise and PLM know-how to support us in our future industrial challenges."

The physical prototype to be fitted to rail vehicles is in the process of being validated, and the first new vehicles fitted with Tamic® will come on the market in 2016.

*PLM: Product Lifecycle Management

To find out more: [Watch the video](#)

Keonys has been a leading European partner in PLM (Product Lifestyle Management) and 3D solutions for over twenty years. At the heart of the digital company, Keonys enables organizations of all sizes and in all industries to create and market better products and innovative services more rapidly. A key player in innovation and productivity, Keonys provides value-added consulting services for the management and integration of PLM projects, as well as training and support for more than 1,500 customers in France, Belgium, Luxembourg, the Netherlands, Germany and Switzerland. In 2014, Keonys generated consolidated revenues of 54.5 million euros.

www.keonys.com

Press Contact: Emmanuelle RENAUDIE - Aressy RP

Land line: 01 85 76 12 09

Cell phone: 06 78 38 68 51

e.renaudie@aressy-rp.com

www.aressy-rp.com

About TALLANO Technologie

TALLANO Technologie, created in 2012, is a French engineering company, holder of eight registered patents, which has designed and developed the technological solution Tamic®, the first system for capturing brake dust particles emitted by road and rail vehicles.

www.tallano.eu