

PRESS RELEASE

Zeppelin Systems signs alliance with the French company Regom

Friedrichshafen (Germany), March 1, 2023 Giving scrap tires a new life, saving CO2 emissions and contributing sustainably to the circular economy. These are precisely the goals pursued by Friedrichshafen-based system manufacturer Zeppelin Systems, which has been active in the market as an integrated solution provider for the tire industry when it comes to manufacturing new tires for more than 40 years. In cooperation with international partners and innovative technologies, Zeppelin Systems is revolutionizing industrial recycling solutions for scrap tires. The French company Regom, which specializes in sorting scrap tires using artificial intelligence (AI), came on board on February 10, 2023.

Every three seconds, a fully automatic tire sorting machine determines the future of a used car tire; therefore, the French company Regom's technology manages around 800 tires per hour. This is made possible with the help of AI, which evaluates tire sidewall images at lightning speed after measurement and determines exact features and further use of scrap tires. The results are a high-accuracy detection rate of the tire's brand, model, profile, size and wear. "This process step is very important for the further processing and high-quality recycling of scrap tires. At the same time, the workload in tire sorting is greatly reduced because tires no longer need to be sorted and evaluated manually," says Guido Veit, Vice President Sales for Polyolefins, Rubber and Silos at Zeppelin Systems GmbH. There is another advantage for the second-hand tire market. "The exact measurement and evaluation automatically increases the proportion of recyclable tires," adds Veit.

Tires that have not made it back to the shops are mechanically separated and shredded as the next step. Due to the high degree of precision in the sorting process, the quality of the resulting recyclates increases in terms of their grade purity. This creates a perfect starting point for manufacturing new tires with recyclates from used tires, while also supporting the circular economy. In addition, AI-based scrap tire sorting is easy to integrate into existing recycling systems – a perfect addition to Zeppelin Systems' wide range of services in tire recycling. "We are proud of our large partner network in the tire recycling industry and create innovative solutions for our customers' challenges with each additional partner," says Dr. Markus Vöge, CEO of Zeppelin Systems GmbH. "At the same time, we are contributing to the sustainability of the circular economy and thus fulfilling our commitment as a foundation-owned company," adds Vöge proudly. We Create Solutions!

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About Zeppelin Plant Engineering

Zeppelin Systems is a global leader in plant engineering for the handling of high-quality bulk materials. With over 70 years of experience in process engineering and extensive knowledge in handling countless raw materials, Zeppelin Systems offers complete and reliable solutions. With 22 locations worldwide, the company supports its customers from plant design through implementation and provides all aftersales services locally, from a single source. At Zeppelin Systems, innovative processes are just as important as the clever automation solutions and full range of service they provide to cover the entire life cycle of your plant. Each Zeppelin plant is customized to meet the requirements of each customer be it in the plastic, chemical, rubber and tire, or food industries. With the world's largest technology center network for bulk materials, Zeppelin enables its customers to carry out tests on an industrial scale and verify and optimize their plant design. Zeppelin Systems develops and manufactures its own components for key plant functions, which are also used in third-party plants. For more information, visit zeppelin-systems.com.

About the Zeppelin Group

The Zeppelin Group offers solutions in the construction industry, drive and energy systems, engineering and plant engineering. The Group provides customers with expertise in a number of areas, from the distribution and service of construction, mining, forestry and agricultural machinery, through rental and project solutions for the construction sector and industry as a whole, to drive and energy systems as well as engineering and plant engineering and enhances its offering with digital capabilities in all areas. Zeppelin is represented at more than 340 sites in 43 countries and regions worldwide. In the 2021 financial year, the Group workforce comprised almost 11,000 employees, which generated sales of EUR 3.7 billion. The Group organizes its activities into six strategic business units (Construction Equipment Central Europe, Construction Equipment Nordics, Construction Equipment Eurasia, Rental, Power Systems, and Plant Engineering) and the Zeppelin Digit Strategic Management Center. Zeppelin GmbH is the Group holding company. It is legally domiciled in Friedrichshafen and has its head office in Garching near Munich. The Zeppelin Group is a foundation-owned company. Its roots can be traced back to the establishment of the Zeppelin Foundation by Graf Ferdinand von Zeppelin in 1908. For more information, visit zeppelin.com.

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