

PRESS RELEASE

Zeppelin Systems launches Sustainable Tire Alliance

Friedrichshafen, March 21, 2023. Over the past few weeks, Friedrichshafen-based plant engineering firm Zeppelin Systems has released various reports on new partner alliances in the area of tire recycling. Now, just in time for the start of the Tire Technology Expo trade fair which takes place in Hanover from March 21 to 23, 2023, the company is revealing what lies behind these many partnerships. Under the umbrella of the newly founded “Zeppelin Sustainable Tire Alliance”, Zeppelin Systems together with its international partners is striving to shape a sustainable future for the tire industry and make even better use of existing potential. Polish company ReOil came on board as a new partner on March 13, 2023.

Each of Zeppelin Systems’ partners contributes its individual, innovative, technical and technological expertise along the tire production value and process chain. For example, French company Regom sorts old tires using artificial intelligence, while Italian technology group RubberJet & Vertech uses high-pressure water jet technology to break down old tires into their individual components with little environmental impact. Polish Group Rezykl recycles old tires into high-quality secondary raw materials and develops stabilizers for asphalt mixes from textile fibers. German company Entex devulcanizes rubber using a planetary roller extruder, while Nano Technologies refines raw recovered carbon black. “From sustainable material recycling to raw material recycling and cleaning and refinement of recycled materials, to extraction of high-quality secondary raw materials, the Zeppelin Sustainable Tire Alliance combines all forms of expertise in this field under one umbrella,” explains Guido Veit, Vice President Sales for Polyolefins, Rubber and Silos at Zeppelin Systems GmbH. “In conjunction with Zeppelin Systems’ excellent turnkey plant engineering solutions, this creates the perfect symbiosis for the sustainable tire production of both today and the future,” adds Dr. Markus Vöge, CEO of Zeppelin Systems GmbH.

A new partner on board: Poland-based company ReOil

The Zeppelin Sustainable Tire Alliance acquired another partner in the form of Polish company ReOil on March 13, 2023. This company operates in the area of raw material recycling and breaks down used tires into raw materials such as steel, oil and recovered carbon black (rCB) by means of continuous pyrolysis. Founded in 2010, the company built Europe’s largest plant for recycling old used tires using pyrolysis in 2015 (in the Polish city of Bukowno). Since then, the facility has been recycling around 20,000 tons of used tires every year, with another plant that will triple capacity to around 60,000 tons of used tires per year currently in the planning phase. Another special thing about ReOil is that the company holds a number of important certifications such as ISCC EU, ISCC PLUS, ISO 14001 and ISO 9001 – proving the highly economical and environmentally friendly nature of the pyrolysis process used by ReOil.

The concept behind the Zeppelin Sustainable Tire Alliance

To support the circular economy in the tire production sector, the quantity of high-quality tire recyclates available for production of new tires needs to be dramatically increased. Zeppelin Systems as an integrated solution provider with many years of experience in the tire industry, and the Zeppelin Sustainable Tire Alliance as a superordinate technology network, provide all the solutions needed to achieve this from a single source. Their approach involves huge production quantities and previously untapped potential, which must be returned to the tire-to-tire production cycle. As a long-standing solution provider for the industry, Zeppelin Systems is very well-equipped for working at this scale! Customers receive solutions from Zeppelin Systems that are tailored to the needs of tire manufacturers in terms of all tire recycling tasks, the rubber mixing process, and the handling of recycled materials. In addition, the Zeppelin Sustainable Tire Alliance acts as a single source of products and services for customers. This is hugely beneficial for both sides because Zeppelin Systems is familiar with the requirements and challenges of the market. On this basis, the newly-founded Zeppelin Sustainable Tire Alliance is able to build bridges between manufacturers and industry. Through the combined expertise of the technology group, customers can access holistic tire recycling solutions on a sustainable basis, from a single source and always at the cutting edge. At the same time, the Alliance helps to promote the circular economy and conserve earth's valuable resources.

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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