

Liebherr at Shanghai International Energy-saving and New Energy Automobile Industry Expo 2019

June 2019 – Liebherr will attend for the first time the Shanghai International Energy-saving and New Energy Automobile Industry Expo, which will be held at the Shanghai New International Exhibition Center (SNIEC) from July 3rd to July 5th 2019.

This event is an excellent occasion for Liebherr's customers, i.e. fuel cell car manufacturers and fuel cell system integrators, to see the latest version of a compact electrical turbo-compressor with integrated power electronics.

At booth # M50 in Hall E5, Liebherr will offer the visitors the possibility to exchange with the experts and discuss about the different advantages of state-of-the-art technologies in the E-mobility sector.

“We are very excited to participate for the first time in Shanghai International Energy-saving and New Energy Automobile Industry Expo. The venue is perfect to showcase our technologies and to forge new relationships”, said Nicolas Bonleux, Chief Commercial Officer of Liebherr-Aerospace & Transportation SAS.

Equipment for the next generation of fuel cell powered cars in China

Just recently, the company has been selected for an additional fuel cell platform by Shanghai Hydrogen Propulsion Technology Co., Ltd. (SHPT), based in Shanghai (China) to provide several thousand electrical turbo-compressors and associated power electronics.

Liebherr-Aerospace Toulouse SAS (France), Liebherr's center of competence for air management systems, is responsible for the design and development of the unit. The production of the units will involve Liebherr-Aerospace Toulouse SAS (France), Liebherr's center of competence for air management systems, together with Liebherr-Elektronik GmbH (Germany), Liebherr's center of competence for electronic hardware, as well as Liebherr Machinery Shanghai (China). The technology equipment for the next generation of fuel cell-powered cars will be integrated in a light commercial vehicle.

This success with SHPT represents a significant milestone in Liebherr's long-term strategy to enlarge its footprint in China. It is also living proof that the company is enabling its customers with its technology to produce the next generation of fuel cell powered automobiles.

Liebherr-Aerospace has been already collaborating with Western automotive manufacturers to develop the future generation of fuel cell vehicles. Its technology complies with the severe requirements of fuel cell systems for the automotive industry.

Special active cooling unit for e-mobility charging stations

Furthermore, Liebherr will present at the exhibition in Shanghai its latest technology for e-mobility DC super-fast charging stations, a thermal conditioning unit. The cooling unit enables very fast charging of electrical vehicles in 10-15 minutes – even under very high ambient temperatures. Its weight and dimension optimized design allows integration into any charge post. With the development of these active cooling units, Liebherr is opening up a new product range and is already working on other units for the world's growing demand for charger facilities.

A further solution in the field of cooling and e-mobility is cooling units for the batteries of electric buses, which Liebherr also provides.

Innovative solutions for e-mobility

As a global family-run technology company, the Liebherr Group is one of the world's largest manufacturers of construction machines and recognized for technical advanced and user-oriented products and services as well. Amongst many other technology areas, Liebherr is working on electric mobility solutions. The company has developed innovations in such fields as the electrification of heavy-duty vehicles, electrification of railway transport, electrification of aircraft and electrification of personal vehicles. Liebherr's field of expertise covers such leading edge disciplines as high-voltage / high-power electronics, high-power electrical motors and electrical generators, thermal management for high-power power electronics, cooling systems for electrical batteries,

cooling systems for high-speed battery loading devices, and turbo-chargers for fuel cell systems.

Caption



liebherr-prototype-electrical-turbo-compressor-copyright-liebherr.jpg
Prototype of an electrical turbo-compressor made by Liebherr – © Liebherr

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