

## **Liebherr-Transportation Systems Makes its Debut at APTA Expo 2017 with a Product Premiere in the USA**

**October 2017 – Liebherr-Transportation Systems participates for the first time in APTA Expo that will take place from October 9 until 11, 2017 at the Georgia World Congress Center in Atlanta, Georgia (USA). The company will showcase innovative solutions such as a modular air conditioning system and an electro-hydraulic actuator.**

On stand # 1749, which is part of the German Pavilion in Hall B, Liebherr will be presenting examples of systems and components and showing visitors its strong innovative capacity in the areas of heating, ventilation and air conditioning systems (HVAC systems), hydraulic actuation systems as well as hydraulic load levelling equipment for rail vehicles of all kinds.

### **A premiere in the USA at the Liebherr-Transportation Systems exhibition stand**

At APTA, Liebherr-Transportation Systems will be presenting its latest product for the first time in the USA: a completely new approach to the standardization of air conditioning systems for metros, trams and suburban railways: the MACS 8.0 Modular Air Conditioning System. The design appeals not only because of its very low installation height and minimized weight – it also makes the HVAC system extremely flexible and guarantees a hitherto unknown availability of the air conditioning system in service. It is characterized by its energy saving function and long working life.

Further highlights being presented by Liebherr-Transportation Systems at APTA include a moving electro-hydraulic actuator, which is used for the active lateral suspension of rail vehicles in order to reduce wear on the wheel/rail interface, whilst also improving travel comfort for the passengers. The extremely compact design includes a complete hydraulic system and has the electronics fully integrated inside the actuator.

In addition, VR glasses as well as animated videos will provide visitors information and fascinating insights into how the HVAC systems and hydraulic actuation systems developed, manufactured and serviced by Liebherr-Transportation Systems function on board a train.

“APTA Expo is an excellent platform and opportunity for us to demonstrate the commitment to our customers and partners in North America as well as worldwide and to show them our state-of-the-art and innovative products”, explains Nicolas Bonleux, Managing Director and Chief Sales Officer, Liebherr-Aerospace & Transportation SAS.

### **Liebherr-Transportation Systems – Renowned Manufacturer of Railway Technology**

Liebherr-Aerospace & Transportation SAS in Toulouse (France) is one of eleven divisional control companies in the Liebherr Group and coordinates all activities in the fields of transportation and aviation equipment. It employs around 5,400 people worldwide.

Liebherr’s transportation systems division supplies cab and saloon heating, ventilation and air conditioning (HVAC) systems, hydraulic actuation systems, dampers and hydraulic load levelling equipment for rail vehicles of all kinds. Liebherr has many years of experience in the development, manufacture, and field service of these technologies, offering support throughout the entire product lifecycle. In addition to its own sales and service centers, the division has access to the Group’s extensive and unique technologies as well as development and service facilities around the world. This global set-up means that Liebherr-Transportation Systems is there for its customers wherever they may be.

## **Caption**

liebherr-modular-air-conditioning-system-macs8.0.jpg

MACS 8.0 offers 70 percent more cooling per kilogram of weight and can be combined flexibly for any rail vehicle. - © Liebherr

liebherr-transportation-systems-electro-hydraulic-actuator.jpg

Liebherr's electro-hydraulic actuator is a combination of damper and operating cylinder. - © Liebherr

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