

## **Liebherr Delivers Bogie Coupling Systems for Alstom's H3 Hybrid Locomotives**

**February 2014.**

Liebherr-Transportation Systems has recently delivered the first hydraulic bogie coupling system for the new three-axle H3 hybrid shunting locomotives to ALSTOM Lokomotiven Service GmbH, Stendal (Germany).

The system was designed by both, Liebherr and Alstom, and manufactured by Liebherr. It couples the three axes of the locomotive so that the vehicle can round curves easily despite large axial distances. Thus, the bogie coupling system helps to reduce wear on both wheels and tracks, and also to decrease noise emissions.

Thanks to Liebherr's technology, the H3 hybrid locomotive can be used for especially heavy shunting operations.

Liebherr-Transportation System's bogie coupling system is another application that gives proof of the benefits and the efficiency of electro-hydraulic actuators.

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

Liebherr-Aerospace & Transportation SAS in Toulouse (France) is one of ten divisional control companies in the Liebherr Group and coordinates all activities in the fields of transportation and aviation equipment. It employs more than 4,700 people worldwide.

Liebherr's transportation systems division deals with air conditioning, hydraulic actuation systems and electronic components for rail vehicles of all kinds, and is backed by many years of experience in the development and manufacture of these technologies. In addition to its own sales and service centers, the division has access to the Group's 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.

## **Captions**

liebherr-alstom-locomotives-bogie-coupling-systems-300dpi.jpg:

Alstom's new H3 Hybrid locomotive.

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