

## **Liebherr Air Cycle Systems Successfully Tested in ICE 3, 1st Series**

**December 2015 – The test phase for the air cycle air conditioning systems from Liebherr-Transportation Systems on board a Deutsche Bahn (DB) ICE 3 has recently been successfully completed.**

After individual cars had been retrofitted at DB's Nuremberg plant, a train of the ICE-3 fleet (first type series) with new air cycle air conditioning systems began a test phase in daily passenger service at the end of June 2015. The test lasted several months. The team from Liebherr-Transportation Systems had installed additional sensors and measuring technology specifically for the test in order to record extensive operating data and thereby enable a substantially more in-depth diagnosis of the air cycle systems. The goal of the test was to verify the performance and reliability of the units during daily passenger service. The test train was subject to close monitoring, especially in the hot summer months of July and August. In order to make the conditions as real as possible, DB operated the train with the greatest possible occupancy rate during that time. Together with DB, Liebherr is currently carrying out precise evaluations and assessments of the data collected.

### **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 4,900 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.

**Caption**

Liebherr-air-cycle-air-conditioning-unit-ice-3-1.jpg

Air cycle air conditioning unit from Liebherr for the ICE 3.1 Re-Design Program

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