

Liebherr to Supply Boeing 787 Nose Wheel Steering Remote Electronic Unit

January 2019 – Liebherr-Aerospace has been selected by Boeing to deliver the Nose Wheel Steering Remote Electronic Unit for the 787 Dreamliner. This contract from Boeing marks an important milestone in Liebherr’s stand-alone electronics strategy to bring the modular technology of ultra-versatile remote electronic units to the skies.

One unit of the Remote Electronic Unit (REU) is installed per aircraft. It provides closed loop control of the nose wheel steering angular position. The REU responds to commanded steering angles received via CAN bus by providing outputs to a solenoid valve and servo valve that control the supply of hydraulic fluid to the steering actuators. The electronic architecture of this unit is based on the ingenious concept of Liebherr’s ultra-versatile REU which offers high reliability.

Liebherr-Aerospace Lindenberg GmbH, Lindenberg (Germany), Liebherr’s center of excellence for flight control and landing gear systems will be in charge of developing the software and the unit integration. The development of the hardware and the qualification as well as the manufacturing will be conducted in-house at Liebherr-Elektronik GmbH, Lindau (Germany), center of excellence for electronic hardware development and manufacturing.

Learn more about Liebherr’s REU technology:

<https://www.youtube.com/watch?v=IAi92vB9MmA>

Liebherr-Aerospace is a leading supplier of systems for the aviation industry

Liebherr-Aerospace & Transportation SAS, Toulouse (France), is one of eleven divisional control companies within the Liebherr Group and coordinates all activities in the aerospace and transportation systems sectors.

Liebherr-Aerospace is a leading supplier of systems for the aviation industry and has more than five decades of experience in this field. The range of aviation equipment

produced by Liebherr for the civil and military sectors includes flight control and actuation systems, landing gear and air management systems, as well as gears, gearboxes and electronics. These systems are deployed in wide-bodied aircraft, single aisle and regional aircraft, business jets, combat aircraft, military transporters, military training aircraft, civil helicopters and combat helicopters.

Liebherr's aerospace and transportation systems division employs around 5,400 people. It has four aviation equipment production plants at Lindenberg (Germany), Toulouse (France), Guaratinguetá (Brazil) and Nizhny Novgorod (Russia). These production sites offer a worldwide service with additional customer service centers in Saline (Michigan/USA), Seattle (Washington/USA), Montréal (Canada), Sao José dos Campos (Brazil), Hamburg (Germany), Moscow (Russia), Dubai (UAE), Bangalore (India), Singapore and Shanghai (People's Republic of China).

Caption



UDKY08_787_8_People_Bridge_descending_05e_post-print-copyright-Boeing.jpg

Boeing's 787 Dreamliner - © Boeing

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