

# Liebherr-Aerospace to Supply NORDAM with Anti-ice Valves for Airbus A320neo Next-generation Nacelle

December 2018 – Liebherr-Aerospace announced an agreement with U.S.-based NORDAM to develop, manufacture, test and certify anti-ice valves to be used in a NORDAM-developed engine build-up system for A320neos equipped with the Pratt & Whitney PW1100G engine. The contract is considered a major milestone in Liebherr's long-term strategy.

According to Nicolas Bonleux, Managing Director & Chief Commercial Officer, Liebherr-Aerospace & Transportation SAS, the valves prevent ice from forming on the engine cowl. They will be manufactured at the company's center of competence for air management systems, then packaged into ship-sets of two pneumatic valves per nacelle, a redundancy designed to prevent engine overheating.

"This contract marks a major milestone in our long-term strategy to offer technical solutions for aircraft-engine applications, and to continuously extend and consolidate our activities in this market," Bonleux said. "We are happy to support NORDAM as we supply our products to a nacelle provider for the first time."

### 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 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).

#### **About NORDAM**

Founded in 1969 on family values and with multiple, strategically-located operations and customer support facilities around the world, Tulsa-based NORDAM is a leading independently owned aerospace company. The firm designs, certifies and manufactures integrated propulsion systems, nacelles and thrust reversers for business jets; builds composite aircraft structures, interior shells, custom cabinetry and radomes; and manufactures aircraft transparencies, such as cabin windows, wing-tip lens assemblies and flight deck windows. NORDAM also is a major third-party provider of maintenance, repair and overhaul services to the military, commercial airline and air freight markets. Learn more about NORDAM at NORDAM.com.

#### Caption



aerial-view-liebherr-aerospace-toulouse-copyright-liebherr.jpg Liebherr-Aerospace Toulouse SAS, Liebherr's center of competence for air management systems - © Liebherr

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