



Boeing Celebrates the Premiere of the 787 Dreamliner

EVERETT, Wash., July 08, 2007 -- Today, Boeing officially debuted the technologically advanced and environmentally progressive **787 Dreamliner**. An audience of approximately 15,000 people thousands attended the Premiere at the Everett, Wash., final assembly factory.

The 787 Dreamliner is the firm's first all-new jet since 1995 and is billed as the most environmentally friendly ever built. What makes the 787 revolutionary is that it is the first airplane built mostly not of metal, but rather mostly of carbon fibre, a high tech composite material, a type of reinforced plastic. The whole structure of the fuselage, all the wings, the horizontal and vertical stabilizers, the nacelles that wrap the engines are all of carbon fibre, allowing the plane greater fuel efficiency. It will use 20 percent less fuel per passenger than similarly sized airplanes, produce fewer carbon emissions, and will have quieter takeoffs and landings. The 787 will carry up to 250 passengers, it will be able to fly a maximum distance of 15.200 km at a cruise speed of 950 Km/h (Mach 0,80).

The "Dreamliner" originates from a global collaboration; it is the first aircraft of the globalization era designed and manufactured by a worldwide team. The aircraft is manufactured mainly abroad: in Japan, Australia, Canada, Germany, United Kingdom and Italy.

The Italian Alenia Aeronautica produces the horizontal stabilizer, the central and the rear sections of the fuselage. The manufacture of these parts will be carried out in two Italian factories, in Grottaglie and in Foggia. The choice of the new Grottaglie factory is due to the necessity of large working spaces under one roof (the building can cover 15 football fields) and of a large area close to the factory able to host the large aircrafts used for the shipment of the elements of the "Dreamliner" to Seattle, where they will be assembled.

Note regarding ALP

In the new factory in Grottaglie, opened at the beginning of 2007, the air distribution system has been realized using ALP System aluminium pre-insulated ductwork.



Aerial view of Alenia Aeronautica's new Factory



ALP System ductwork installed in Alenia Aeronautica's new Factory in Grottaglie