

Boeing 787 Dreamliner project

The **Boeing 787 Dreamliner** is an American mid-sized, wide-body, twin engine jet airliner currently in production by Boeing's Commercial Airplanes division and scheduled to enter service in May 2008. It will carry between 210 and 330 passengers depending on variant and seating configuration. Boeing has stated that it will be more fuel-efficient than earlier Boeing airliners. It will also be the first major airliner to use composite material for most of its construction. The 787 uses the same technology proposed for the Sonic Cruiser in a more conventional configuration. Boeing claims the 787 will be at least 20% more fuel-efficient than current competing aircraft due to the usage of lighter weight **composite materials**. Composite materials are significantly lighter and stronger than traditional aircraft materials, making the 787 a very light aircraft for its capabilities. Joint venture company, Global Aeronautica, set up by Vought Aircraft Industries and Alenia Aeronautica, is responsible for the manufacture of the mid section and rear section of the fuselage including the tailplane. Some of the manufacturing of the composite parts are planned and manufactured in IAI.

The Optimum team, numbering 10 workers, was selected and trained to be part of the Quality Assurance team responsible for ATP (Acceptance Test Procedures) and the writing of FAI reports for the composite parts manufactured by IAI for Alenia, Vought and Boeing. The Optimum team has been working alongside the IAI's QA team for a year now, and is highly regarded for their quality of work and standards of professionalism.

Boeing unveiled the 787 Dreamliner during a one-hour ceremony at its final assembly facility.



<http://www.aerospace-technology.com/projects/dreamliner/>