

'SUPER' JUMBOS

Giant aircraft for the 21st century

Forecasts of a four-fold increase in air passenger traffic on long-haul routes by 2010 is the driving force behind the next generation of 'super' jumbo jets. All three major western airliner manufacturers, Boeing, Airbus and McDonnell Douglas have plans for giant aircraft on the drawing board

Engines:

Rolls-Royce Trent,
General Electric GE90
or Pratt & Whitney PW4000

Safety:

All passengers must be evacuated
within 90 seconds

Airbus A-350 UHCA (Ultra High Capacity Aircraft)

Single-decker – 600-1,050 passengers.

Structure based on joining two existing Airbus fuselages to form a 'double-bubble' design. Minimum range 13,000km

'Double-bubble' design

Ovoid design

Circular design

Deutsche Airbus A2000

Triple-decker – 615 passengers.

**Top deck: economy-class, middle deck: business-class.
Lower deck: first-class including beds. Range 13,000km**

Folding wings
to fit existing
ramps

Boeing 787

Double-decker – 612-750 passengers.

Range up to 13,600km

McDonnell Douglas MD-12

440-600 passengers. Range up to 14,800km