

EVOLUTION OF THE JET AIRLINER CONFIGURATION

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Abstract: The talk will address the evolution of the jet airliner configuration with which we are all familiar but maybe don't realise from whence it came. The crucial breakthrough by Boeing was marrying the podded jet engine to the swept wing.

The talk will cover the following topics

- American WWII bombers
- Jet propulsion (UK & Germany)
- Podded jet engines (Germany and US)
- Swept wing (Germany)
- American medium bombers 1947
- Evolution of Boeing B-47
- De Havilland Comet & Tupolev Tu-104
- Development of Boeing 367-80 and 707
- Comparison with contemporary airliners
- Future configurations?