

The Conceptual Design is splitted in 5 phases, ADS offers a solution for each of them...



The design process begins with an idea that is quickly translated into specifications

1/5



A precise analysis of the competition is carried out (→ ADS / Reverse Engineering, Statistics)

2/5



The initial specifications are checked and validated. The final specifications are drawn up (→ ADS / Design Level 1)

3/5



Begins an iterative process. A large number of configurations are investigated to size the aircraft for the main flight condition. The configuration which seems to be the best compromise is chosen (→ ADS / Design Level 2, Optimization)

4/5



The performance of the aircraft are computed for different flight conditions. The final configuration is refined (→ ADS / Performance Analysis)

5/5



The final configuration is validated and approved (→ ADS / Statistics, Quality, Costs)



The conceptual design is complete and the preliminary design can start