

SUCCESS STORY

AIRBUS

Onboard IT systems
with Avionics &
Simulation Products



Airbus, one of the world's leading aircraft manufacturers, has awarded a 3-year contract to Sopra. Sopra was entrusted with the development of the electric flight control secondary computer for the A380.

Sopra tasks

At the end of 2001, Sopra was entrusted with the development of the electric flight control secondary computer for the A380.

Since that time, the Avionics and Simulation Products Department has extended the scope of activity and the level of responsibility of Sopra onboard IT experts.

Extended scope of activity for critical applications

Sopra supplies computers for the various Airbus aircraft programmes of the highest possible standard of reliability and robustness. Sopra handles:

- The development of flight control computers for the A350 and the maintenance of flight control software for 6 aircraft programmes, including the A380.
- The development and maintenance of automatic code generators for all aircraft programmes.
- Development of the A400M alarm management computer.
- Development and maintenance of part of the simulation development workshops and tools and all onboard software development workshops and tools.

- The integration of «non-critical» applications for the A350 (ground maintenance computer, passenger internet access etc.)

A higher level of responsibility

In early 2009, part of the scope of activity was shifted to a global outsourcing basis. Sopra Group is therefore entirely responsible for the development of computers from the specification phase to the EASA (European Union Aviation Safety Agency) certification phase.

“ In addition to structuring certification constraints, onboard IT includes reliability and performance requirements calling for full expertise over the processes and technology implemented. Onboard software occupies an ever-increasing place in daily life and is an eminently buoyant sector. Sopra Group teams take particular pride in the support and assistance they have provided to AIRBUS in this sector for close to 10 years now, with increased loyalty. ”

OLIVIER DARRICARRERE,
STIE (Scientific, Technical,
Engineering and Onboard)
Manager at Sopra



About Sopra Steria

Sopra Steria, European leader in digital transformation, provides one of the most comprehensive portfolios of end to end service offerings in the market: Consulting, Systems Integration, Software Development and Business Process Services. Sopra Steria is trusted by leading private and public organisations to deliver successful transformation programmes that address their most complex and critical business challenges. Combining high quality and performance services, added-value and innovation, Sopra Steria enables its clients to make the best use of information technology.

With 35 000 professionals in over 20 countries, Sopra Steria had pro forma revenue of €3.1 billion in 2013.

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