

Technical Support



For 30 years Integra Consult has assisted our customers in implementing ATM/CNS systems of all types and on all levels of complexity, both in normal and difficult environments as well as in national and multi-national organisations. Integra Consult has assisted customers in specifying and designing ATM/CNS systems resolving often challenging issues, supervising their implementation, supporting the factory and site verification and validation, as well as preparing the customers for bringing the systems into operation and securing their safe and effective operation. Through this work, Integra Consult has built up experience and knowledge of the systems as well as how to address challenges and difficult conditions, a knowledge many organisations may not have available in-house due to the one-off nature of many of the projects.

In order to continue to be at the forefront of the developments within ATM/CNS technical matters related to aviation, Integra Consult is further involved in key research activities like SESAR. This enables Integra Consult to combine past experience with a detailed insight into and knowledge of what is required from ATM/CNS systems in the future, ensuring that ATM/CNS systems specified now will support future concepts.

OUR CUSTOMERS' CHALLENGES

Stakeholders design their organisations for managing day-to-day operations due to continued pressure to lower costs while increasing capacity and effectiveness. When major ATM/CNS systems are to be procured, organisations seldom have the resources to support these activities in-house. Likewise, organisations will face challenges and uncertainties that are new to available staff and that are hard to find effective and workable solutions for.

WE OFFER THE FOLLOWING SOLUTIONS

Integra Consult provides staff with high technical skills and many years of experience implementing ATM/CNS systems, who can support customers among others in:

- Long-term planning of ATM/CNS system investments.
- Specifying and designing ATM/CNS systems, including assessing various strategies and designs for the future system support.
- Supporting a technical organisation with specialist knowledge of specific areas (safety, quality, system/software development practices, test and validation, transition planning, contingency and emergency planning, auditing contractor's compliance, planning and progress, etc.).
- Designing and implementing technical maintenance organisations, including staff requirements, competence assessment, ATSEP compliance, staff training, etc.
- Compliance management and specifying/building necessary documentation for regulatory approval (safety cases and safety support cases, declarations and evidence associated with interoperability).

Such support can be provided either by seconding staff to the organisation or managing/performing the activities on behalf of the customer.

HOW WE HELP OUR CUSTOMERS

Integra Consult is committed to long-term relationships with our customers. The close relationship ensures that our company has complete understanding of the issues facing the customer, thus enabling Integra to provide services that adapt to the local environment.

- We assign a dedicated team of experts, supported by a wider pool of experts
- We apply a result-orientated methodology and we are process-orientated
- We adapt to unexpected changes during all stages of the project
- We work closely with the customer from kick-off meeting to delivery
- All our contracts are based on fixed time and price

REFERENCES

European Commission/SESARJU

- Participation in SESAR solutions related to among others Virtual Centre concepts, Enhanced Runway Throughput, Enhanced Arrivals and Departures, Airport Safety Nets, Integrated Surface management, etc.

International Organisations

- Network Manager: Safety Assessment of NM Service updates (releases), development of Release Safety Cases for regulatory approval, etc.
- FAB CE Project Support in technical aspects in areas like centralised surveillance, FRA and FUA implementation, ATSEP harmonised competence schemes, etc.
- NATO: Technical studies on strategies for implementing NATO-wide Air Defence Systems (C2), assessment of Contractor performance, program reviews, etc.

Airports and ANSPs

- For regional and major airports: Specifying, designing and implementing A-SMGCS, Surveillance Systems (SMR, MLAT, etc.), NAVAIDS, Lighting Systems, Technical Control and Monitoring, Communication Networks
- For regional and major airports: Technical assistance, e.g. runway extensions (all aspects affecting technical systems)
- For ANSPs: Specifying, designing and implementing Area Control, Approach and Tower Control Systems, Remote TWRs, etc.
- Airports & ANSPs: Implementing ATSEP training manuals and programmes
- Support in establishing compliance with e.g. EU 139/2014, EU 373/2017, EU 716/2014, etc.

For more information, please contact
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