Think

- How do we make a difference?
- From myths to facts
- Human Factors
- Safety

How do we make a difference?
Skills, Experience and Flexibility

At Think Research we take a holistic view of the related domains of Safety and Human Factors.

Despite the fact that the subject of Human Factors in ATM has been on the agenda for decades, the improvements and benefits brought by scientific research remain considerable. Now more than ever, high density hubs, increasing automation, and new safety considerations keep posing challenges for ANSPs.

We know when it's time to call in the specialists, but we also know that sometimes a broad and applied service is required to meet our customers' needs and to conduct our main tasks.

From myths to facts
Making the Complex Simple

Human Factors can be complex. People are affected by a variety of conditions or situations and there are many answers to many questions!

Through combining our HF and Safety knowledge with our Operational and Concept expertise, we are able to bring cross-domain knowledge and simple solutions to a wide range of projects. At Think Research we have the skills and knowledge to apply HF and Safety within our concept and validation studies but we also have our own in-house experts skilled in specific HF and Safety Assessment techniques.

We are also able to take a more practical lead on 'cross-over' projects that require a combination of skills, lowering the overall cost of the project and providing a more integrated approach.

Human Factors
Keeping the Human in The Loop

ATM is still based around the human controller and will be for the foreseeable future. It is vital that when designing, validating and implementing new ATM concepts, the role of the human must be kept at the core of the process.

Similarly, for the new ATM system to achieve its full potential, the operators have to accept and be completely confident in the system.

At Think Research we ensure that Human Factors are taken into account, wherever relevant, in the work we conduct.

Safety
The cornerstone of Air Traffic Management

Safety is paramount to ATM and the safety of both current and future systems needs to be ensured and constantly improved upon. Whether it is a safety measure included in a simulation, or a safety culture assessment across operational staff, we have the right skills to help.

We are aware that any indication a system may not be safe will immediately render it unacceptable to the controller community – so we aim to test safety over and over again.

Find out more

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