

PROTECT



Human / at the heart of safety_

Understanding to adapt and improve



Method

1

INITIATE

- > Pre-project: issues analysis, objectives enrichment, concepts and principles definition.

2

UNDERSTAND

- > Analysis and observation of the social and technical context. Identification of relevant issues and of operators/users' needs;
- > Existing solutions assessment (benchmarking and return on experience), documentation on identified themes.

3

DE-RISK AND ACT

- > Development and implementation of tools and methods in situ (activity analysis, tasks analysis templates, physiological measures, EEG recording, workload measurement scale);
- > Processing of the results. Modification proposal;
- > Recommendations on design changes or evolutions.

4

VERIFY

- > Verification and follow-up of the evolution, demonstration of the value associated to change.

We're passionate about risk management, safety, security and sustainability. Our experts guide clients in their transformation while empowering them to build a better future.

Airbus Protect offers end-to-end strategic advisory, consulting services, training programmes, and software solutions to industry, Critical National Infrastructure, governments and institutions. We bring together 1,200 professionals from Airbus CyberSecurity – one of Europe's most advanced sovereign cybersecurity players, and APSYS – a leading provider of safety, security and sustainability consulting, IT and business solutions – creating a centre of excellence to meet our clients' evolving needs.

We are a trusted partner with more than 35 years of experience in making businesses safe, secure and sustainable for today and tomorrow.

Our mission is to use our deep knowledge and diverse industry expertise to make a meaningful impact. We enable our clients to concentrate on growing their businesses and building a trusted future, while ensuring their safety, security and sustainability never wavers.

We are dedicated to our employees and our clients. Our relationships are based on deep trust empowering us to tackle complex projects and co-innovate to build a better future.



Services

Consulting and studies on human factor and ergonomic design

- > Ergonomic design of hardware, software and procedures for critical industry with a high risk exposure (Aerospace, ATM, Defence);
- > Support to the ergonomic design of various products through a user-centric development (requirements gathering, tasks analysis, iterative testing).

R&T

- > State-of-the-art, scientific publications and technological intelligence;
- > Support for the development of experimental hypothesis and associated test protocols, choice of appropriate physiological and behavioural measures;
- > Support on the processing and analysis of results.

Training

- > Human Factors awareness for engineers and operators;
- > Targeted offers addressing experts' needs and enabling a fast-track skill development.

Studies, Organisational and Human factors consulting

- > Analysis of the activity and of the social and technical context;
- > Analysis of psychosocial and physiological risks and incidents.

Skills

Human factors, design in hazardous environments:

- Human-machine interaction (HMI), user experience;
- Memory, perception, workload, automation, human errors;
- User-centric design

Organisational & human factors

in hazardous environments:

- Organisational ergonomics, working conditions;
- Operators health and safety.

Linguistics:

- Automatic language processing;
- Semiotics, phonology, lexicology;
- Mastering of controlled language for

Neuro and Physio ergonomics:

- Real-time signal processing;
- Neurophysiologic data measure and analysis.

THE INDUSTRIES WE SERVE



Aerospace



Defense



New mobilities



ATM & UTM



Space



Nuclear

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