

Introduction

As a leading company in its field, Hu-Tech has for some time now been delivering expert ergonomics and Human Factors Integration (HFI) solutions to the defence industry. We have at our disposal a wide range of project management experience combining

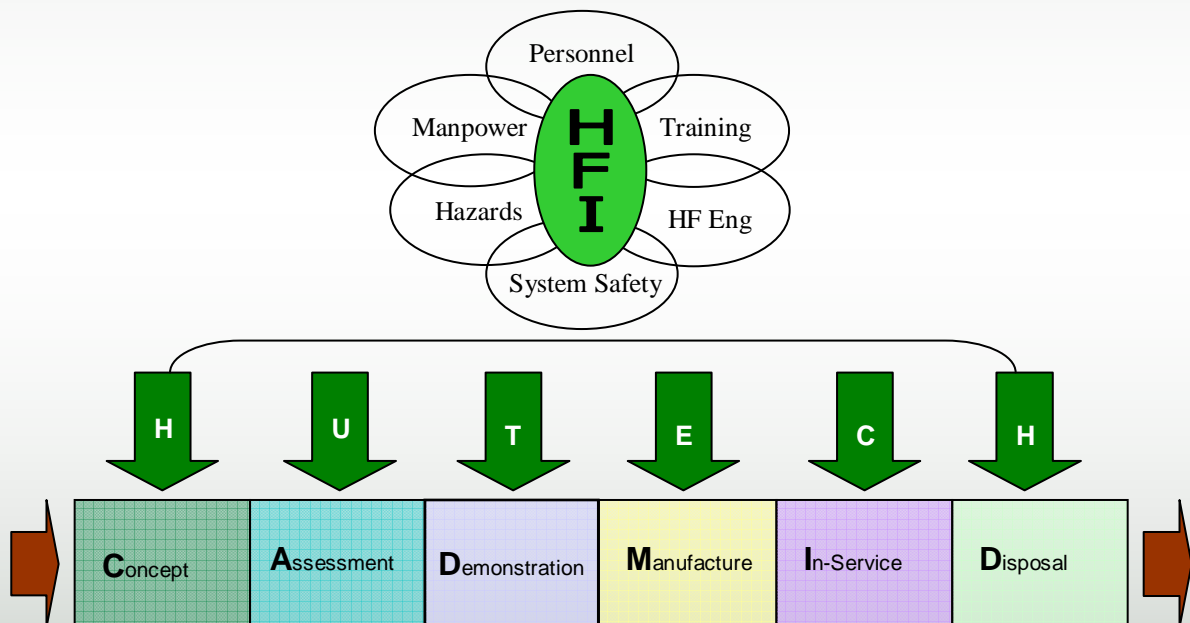
skills from a variety of relevant industrial sectors. As a group we have considerable experience of the human factors and ergonomics requirements that span the development process from conception to end of life decommissioning.

Human Factors Integration

Hu-Tech have a wealth of experience in the Defence Smart Acquisition process and can offer HFI guidance in all stages of the CADMID process in all the six HFI domains; Manpower, personnel, training, HF engineering, system safety and health hazards.

Our Human Factors support has included the development and management of Human Factors Integration Plans and technical consultation and advice for a variety of projects.

We are experts at supplying HFI support necessary for the acquisition and operation of large and complex defence systems.



Application areas

- Application of DEF-STAN 00-25, MIL-STAN 1472, JSP 502
- Safety case support, HAZOPS
- Training Needs Analysis
- Task Analysis
- User requirements generation
- Proof of concept trials
- CAD – Human modelling design
- Workload Analysis
- Human Error Analysis
- HCI / MMI design generation and assessment

Specifically, our consultant's defence experience includes;

Land—

- AFV Human Factors Integration and design (including MRAV, FCLV, FRES)
- Clothing and equipment trials
- BISA Human Computer Interaction
- Human Factors Integration support on military communications system (BOWMAN)

Sea—

- Operations Room layout and console design
- Military diver training evaluation
- MMI assessment – landing craft launch and recovery

Air—

- Situational Awareness trials for UCAV prototypes
- Usability assessment – training simulators
- Manual handling assessments – ground crews

We have a strong team of qualified Human Factors / Ergonomics professionals who bring a wealth of experience from their work in the industrial, defence, transportation and power sectors.

Our consultants have worked on secondment to leading organisations as a part of project teams providing the Human Factors input to major projects.

We employ a range of specialist proprietary and in-house tools and methods to deliver solutions to ergonomic problems, and to ensure that Human Factors are properly integrated into the design of systems to enhance efficiency, safety and usability.



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