

About Hu-Tech

Hu-Tech is a leading ergonomics and Human Factors consultancy with diverse experience in the transport industry spanning road, rail, sea and air sectors.

Our range of services includes strategic assistance on very large capital programmes through to the provision of training and providing bespoke advice.

Our transport services include:

- Equipment and organisation specification, design, review and verification
- Task and workload analysis
- Control room and user interface design and assessment
- Human reliability analysis
- Designing for accessibility
- Workstation design



Our approach

We use a range of specialist tools and techniques but our focus is always on providing practical, cost-effective solutions. We work with our clients to ensure that transport processes, equipment and infrastructure are fit for purpose by ensuring that user, operator, and maintainer requirements and expectations are understood and supported.

Typically we consider:

Personnel	Task	Equipment	Environment
Workload	Human error reduction,	Design	Accessibility
Staffing levels	Shiftwork	Specification	Lighting
training needs	Safety	Usability	Temperature
	Security	Layout	Pedestrian traffic flow
	Communications		

We are experienced in working within design teams and understand the practicalities of integrating Human Factors and Ergonomics within the framework of large transport engineering projects. Our experience includes small scale assessments through to human factors through life management planning for trans-globe materials

Our consultants' experience includes:

Road –

- Vehicle design using CAD for human fitting trials
- Human Factors Integration Plan for military vehicle upgrades
- Ambulance and equipment interface design
- Car assessments to reduce driver discomfort

Rail –

- Signal box operator workload assessment and design guidance
- Design and layout of signal control room

Sea –

- Human Factors Integration Plan for development of military transportation and supply ships
- Ship control room design and layout
- Small boats console and seating design
- Effects of ship motion on operator workload and task performance
- Manual handling assessments at sea

Air –

- Access to counters from passenger and employee perspective, wayfinding and colour systems for compliance with Disability Discrimination legislation
- Baggage handling manual handling assessment and design
- Airport console and desk design
- Security control room design
- Situational awareness trials for unmanned vehicle prototypes

For information visit www.hu-tech.co.uk or email: info@hu-tech.co.uk

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