



INTEGRATED HUMAN FACTORS

# Human Factors Integration in UI and UX Design for Digital Systems

**Reduce Risk.**  
**Improve Performance.**  
**Strengthen Compliance.**

Human-centred design support to ensure technology solutions are intuitive, error-resilient and regulator ready.

## Poorly designed user interfaces and user experiences can lead to:

- Increased human error.
- Safety and compliance concerns.
- Operational inefficiencies.
- Technostress and staff frustration.
- Higher training and competency costs.
- Increased staff turnover.

UI and UX design is not just about usability, it's about **safety, performance and regulatory compliance.**

**Modern digital systems should be designed around the people who use them.**

## IHF Services

- ✓ Human Factors Reviews
- ✓ Human-AI Interaction
- ✓ Cognitive Workload Analysis
- ✓ HMI Optimisation
- ✓ Human-Centred Design Integration
- ✓ User Research and Personas
- ✓ Prototyping and Design Support
- ✓ Usability Assessment, Testing and Validation
- ✓ Regulatory and Standards Alignment





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## The Benefits of Considering Human Factors in UI/UX Design

### Protect Your People

Reduce the risk of human error, incidents, and process safety risks.

### Increase Efficiency

Improve information flow, decision making and operational performance.

### Regulator Ready

Support compliance with recognised standards and industry guidance.

### Reduce Costs

Lower training requirements, rework and technology adoption challenges.

### Build User Confidence

Create digital systems that people both enjoy to use and get benefit from.

## Why IHF?



**CIEHF Innovation Award Winner 2024**



**Registered CIEHF Consultancy**



**Human Factors Specialists**



**Experience in Safety-Critical Industries**



**Expertise in Human-Centred Design**



**Design for People.**  
**Deliver Better Outcomes.**



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Human Factors Consultancy



[info@ihf.co.uk](mailto:info@ihf.co.uk)