

HRA Online Courses

Registered with the Chartered Institute of Ergonomics and Human Factors (CIEHF), the company has more than 38 years of experience in addressing the human factors aspects of safety in the Oil, Gas, Pharmaceuticals and Chemicals Sectors. Our tools and techniques are widely applied across the world.

The team is made up of knowledgeable HF Consultants/Trainers who as registered members of the CIEHF, have extensive practical experience conducting Safety Critical Task Reviews in a broad range of sectors.

Meet the trainers

Dr David Embrey- Managing Director, Main trainer and bonus session presenter.



originally trained as a physicist and David holds degrees in physics, ergonomics and applied psychology from the University of Birmingham and the University of Aston in England. After receiving his Ph.D. in human factors, he has subsequently worked for 35 years in the area of human reliability in systems, where he has published more than a hundred papers and reports and co-authored two books.

His main technical interest has been the assessment and improvement of human performance in systems. He has worked extensively in the petrochemical, nuclear power, rail transport, aerospace systems, marine sectors and pharmaceutical industry in Europe, the Far East, USA and South America. He has worked for several large multinationals in the petrochemical sector and has written a definitive text 'Guidelines for Preventing Human Error in Process Safety'

Dr Dominic Furniss- Senior Consultant, Main Trainer



holds degrees in Human-Computer Interaction and Human Factors (MSc, PhD) from University College London (UCL). A member of the Chartered Institute of Ergonomics and Human Factors his areas of interest include user research, usability engineering, sociotechnical system design, and Safety-II. His research has focused on the design and use of medical devices in context. He has published three books and over 70 papers in academic and professional journals. He is an honorary lecturer at UCL.

Jamie Henderson - Senior Consultant, Bonus session presenter.



holds a degree in Psychology from the University of Liverpool and a Masters degree in Ergonomics from Loughborough University. He is a member of the Ergonomics Society and has experience in a wide range of project areas and industry sectors. Over the past few years much of his work has been in the process industries, undertaking projects for companies such as BP, National Grid, ConocoPhillips, Borealis, Huntsman and Acetate Products. This work has given him considerable experience in the development of qualitative human reliability assessments for safety cases, and in the related areas of procedures and training.

Jamie has also made significant contributions to research projects covering diverse topics such as accident investigation, safety culture, remote working, emergency planning and safety critical checking. These projects have taken place in pharmaceutical, rail and aviation industries, as well as for regulatory bodies such as the Health and Safety Executive (HSE) and Civil Aviation Authority (CAA).

Richard Marshall - Senior Consultant, Bonus session presenter.



Is a Chartered Ergonomist and Human Factors Specialist (C.ErgHF), a Registered Member of the Chartered Institute of Ergonomics and Human Factors (MCIEHF) and a Chartered Safety and Health Practitioner (CMIOSH) with the Institute of Occupational Safety and Health (IOSH). He has over Twenty year's international experience, operating throughout the UK, Middle East, South East Asia and Australasia. A significant proportion of this experience has been gained within corporate positions, consultancy, high hazard operational sites (11 years at Upper Tier COMAH Facilities) and mega project environments (several projects in excess of \$15 Billion). Richard has first-hand operational experience of designing, managing, and integrating systems and processes for sustainable human factors solutions and health & safety controls within the power generation, offshore/onshore oil and gas, refining & chemical manufacturing complexes and construction (offshore and onshore) industry sectors

Penelope Easter, Main Trainer

Holds a Doctorate in electrochemical engineering. Her experience as a lecturer and researcher at the School of Electronics, her technical support responsibilities for Ocean going research for the School of Ocean Sciences at Bangor University and a

rich portfolio of Safety Critical Task Analyses developed from the Process Industries, Medical devices and Healthcare sectors has provided her with the much needed background to enable her to prepare and deliver lectures and workshops for both F2F and online training programmes e.g. Human Factors Module in Health and Safety for the MSc Human Factors and Ergonomics course Sheffield University February 2020. Her experience as an SCT analyst spans a broad range of industrial case studies such as the sending and receiving of a PIG, the offloading of propane for storage in oil and gas sector etc. And recently in the response to the COVID19 pandemic she assisted in a Human factor review, analysing, preparing and finally presenting the FMEA report for a Ventilator by a UK Engineering company, in their Rapidly Manufactured Ventilator RMV project.



human
reliability
Specialists in Human Factors