

Human Factor Specialist

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Company: Brunel

Location: Saudi Arabia

Category: architecture-and-engineering

About this role:

Integrate principles of Human and Organizational Factors in Company systems, culture, policies, equipment, tools and field practices, job duties will include the following

Develop tools to incorporate human factors in qualitative and quantitative risk assessments (e.g. human failure analysis, safety critical task analysis, Human Reliability Analysis, etc.)

Develop tools to incorporate human performance assessments in field activities

Participate, review and analyze human performance issues in incident investigations

Advise and validate Human Factors engineering integration in capital projects

Advise on the design and management of operating and maintenance procedures

Develop systems and use expert methods to incorporate risk-informed competencies

Streamline critical communications for the frontline

Advise facilities on fatigue risk and shift work schedule design

Develop tools to verify safe manning levels, optimal workload and allocation of functions

Develop tools and support efforts to manage organizational changes

Develop programs and strategies for driving and sustaining a positive safety culture

Operationalize proven methods to assess safety culture and drive targeted interventions

Assess and enhance safety leadership competencies at all levels

Embed Human Factors thinking into the day-to-day activities of operation and maintenance line functions e.g. Site inspections, work permitting, pre and post job briefings, JSA

Develop communication campaign material for human factors e.g., pamphlets, presentations videos

Provide training and awareness on different human factors topics.

What you need to bring:

Undergraduate Degree in Engineering, Industrial Psychology, Human Factors or Ergonomics. (Preferred) Masters and/or PhD in Human Factors, Ergonomics or Industrial Psychology

Five Years of Human Factors experience in the Oil and Gas industry (e.g. International Oil and Gas Companies, Consultancy firms, or EPC companies)

(Preferred) Holds a recognized certification title in human factors such as Certified Human Factors

Professional (CHFP), Certified Professional Ergonomist (CPE), Chartered Ergonomics and Human Factors Specialist (C. ErgHF), European Ergonomist (Eur. Erg).

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