

McDermott – Ergonomic Assessments within Employee Offices



Introduction

McDermott is a global leader in engineering, procurement, construction, and installation (EPCI) services for the energy industry. With a commitment to safety, quality, and sustainability, McDermott operates across multiple sectors, delivering solutions for both onshore and offshore projects worldwide. As part of its ongoing focus on employee well-being and operational efficiency, McDermott commissioned Demoura Lawson Consulting to conduct a comprehensive ergonomic assessment of its Qatar offices, specifically the Qatar Gas NFXP project floors.

Methodology

Demoura Lawson Consulting (DMLC) employed a systematic approach to assess and enhance office ergonomics for McDermott, focusing on Qatar Gas NFXP project floors. The evaluation encompassed the following key areas:

Systems Management:

- Analyzed the existing systems and procedures for managing office ergonomics, including policies and practices related to workstation setup and the use of Display Screen Equipment (DSE).
- Assessed the level of organizational emphasis placed on ergonomics and the effectiveness of current management practices in supporting employee well-being.

Facility Management:

- Conducted a detailed review of environmental factors within the office facility, including noise levels, ventilation, temperature control, and lighting quality.
- Identified how these factors impact employee comfort, productivity, and overall ergonomic health.

Office Environment:

- Evaluated the quality and suitability of office furniture and Display Screen Equipment (DSE) used by employees on the Qatar Gas NFXP project floors.
- Assessed how current equipment supports or hinders ergonomic best practices and employee well-being.

Employee Behaviors and Postures:

- Observed and analyzed employee interactions with their workstations, focusing on physical postures and ergonomic habits.
- Identified behavioral patterns that could contribute to musculoskeletal strain or discomfort, providing insights for targeted improvements.



Outcome

The ergonomic assessment delivered transformative results for McDermott's office environment by implementing a systematic action plan and achieving the following key outcomes:

- **Significant Risk Mitigation:** By identifying and prioritizing ergonomic risks, McDermott resolved the most critical issues, significantly reducing the likelihood of workplace injuries and musculoskeletal disorders.
- **Enhanced Workplace Conditions:** Illumination levels were increased by 40%, ensuring better visibility and a healthier work environment. Additionally, Display Screen Equipment (DSE) was customized to meet the specific needs of each employee, reducing eye strain and improving overall productivity.
- **Optimized Posture and Comfort:** Employee workstations were adjusted to align with best ergonomic practices. Personalized recommendations, including the addition of equipment like footrests and headrests, further enhanced posture and comfort, supporting long-term health and productivity.
- **Compliance with Global Standards:** The assessment ensured alignment with BS EN ISO 9241 standards, embedding globally recognized ergonomic principles into McDermott's office operations.
- **Empowered and Engaged Workforce:** Targeted workshops provided employees with practical knowledge to independently maintain ergonomic standards. This fostered a culture of awareness, safety, and well-being across the organization.
- **Sustainable Ergonomic Practices:** The holistic evaluation enabled McDermott to implement long-term strategies for ergonomic improvements. These initiatives not only promote employee health but also enhance operational efficiency and workplace satisfaction.

Through this partnership, Demoura Lawson Consulting demonstrated its expertise in creating tailored, impactful ergonomic solutions, ensuring that McDermott achieved a healthier, safer, and more productive office environment.