

FATİH İLEK

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PROFESSIONAL SUMMARY

A highly qualified Environmental Engineer with two Master of Science degrees in Occupational Health & Safety, NEBOSH IGC holder, ISO 45001 Lead Auditor, and CertIOSH member (working towards CMIOSH). With over 15 years of experience across the Oil & Gas, Petrochemical, and Major Construction industries, having worked with prominent companies and projects including Bechtel-Enka JV, Rönesans Holding, TANAP Pipeline, IOT-VITO Engineering (STAR Refinery), Anton Oil Services, and Petroleum Development Oman (PDO) across locations such as Oman, Iraq, Turkey, and Georgia. Currently employed as an HSE Advisor at PDO in Oman.

CORE SKILLS

- Control of Work:** PTW/CoW execution & verification, JSA/JHA, Isolation/LOTO, SIMOPS, Confined Space Entry, Work at Height, Excavation Safety, Line-of-Fire Controls, H2S Awareness/Controls, Gas Testing interfaces
- Contractor & Field Governance:** Prequalification, Ready for Contract Execution (RFCE) reviews, Mobilization Readiness, Performance Trending, Gate Meetings, Toolbox Talks, Journey Management
- SMS, Audit & Incident:** SMS implementation & self-assessments, ISO 45001/14001, IFC/EBRD/World Bank standards, ESG alignment, L1/L2/L3 Assurance Audits, HSE Case/Safety Case support, RCA (TOP-SET, 5-Why), CAPA closure & effectiveness verification
- Process & Technical Safety:** HAZID, HAZOP, HACCP, HEMP, Process Safety Management (PSM), Risk Assessment & Mitigation, Human Performance Principles, Management of Change (MOC), Life Saving Rules, Fire Safety, Chemical Hazards
- Digital HSE & Analytics:** Design of HSE Incident Management software & mobile apps, Power BI dashboards, KPI trend analytics and data analysis, Microsoft Excel, Lists and PowerApps
- Training, Culture & Emergency Preparedness:** Training Delivery, Coaching & Mentoring, BBS/HPI programs, Hazard Hunts, Boots-on-the-Ground campaigns, Stop Work authority, Emergency Response Drills & Plans (ERP), Spill Response, Hydrocarbon Introduction controls.

PROFESSIONAL EXPERIENCE

HSE Advisor

01/2024 – Present

Petroleum Development Oman (PDO), Muscat, Oman

- HSE Data Analytics & Digital Reporting:** Performed HSE Data Analytics on KPIs and Behaviour-Based Safety (BBS) trends using Power BI, converting field data into actionable insights for management decision-making and field team priorities.
- Strategic Risk Management:** Facilitated critical safety workshops including HAZID, SIMOPS, and Shutdown planning; verified implementation of the Hazard and Effects Management Process (HEMP), Human Performance Principles, and Life Saving Rules compliance across the asset.
- Incident Investigation & Governance:** Led incident investigations and the Incident Review Committee, applying root cause methods (TOP-SET, 5-Why) and tracking corrective actions through to closure and effectiveness verification.
- Assurance, Audit & Compliance:** Coordinated HSE Assurance Activities (Level 1, 2, and 3 audits), supported ISO 14001 environmental initiatives, government inspections, and Spill response preparedness.
- Control of Work Verification:** Verified PTW/CoW execution in the field for high-risk activities (Work at Height, Confined Space Entry, Isolation/LOTO, Excavations, SIMOPS); validated critical controls and applied Stop Work interventions when required.
- Operational Safety Support (H2S & High-Risk Tasks):** Provided day-to-day in-field safety support to operations and projects, strengthening H2S risk controls (awareness, readiness, gas testing interfaces) and aligning emergency response requirements with site execution.

- **Contractor & Logistics Safety:** Mobilization of new contractors as per RFCE process and managed contractor HSE performance through site visits, inspections and audits.
- **Safety Culture Leadership:** Coached personnel during Hazard Hunts and Boots-on-the-Ground (BoG) campaigns to proactively identify risks and track corrective action closure.

Senior HSE Advisor – HSE Management System

06/2023 – 01/2024

Anton Oil Services, Majnoon Oil Field, Basra, Iraq

- **HSE Digital Transformation:** Designed and implemented a comprehensive HSE Management System and led the rollout of digital tools across the field; including an electronic Permit to Work (e-PTW) system, HSE Incident Data Management software, and e-HSE Training Passports, replacing paper-based processes and enabling real-time visibility of HSE performance.
- **Risk Management & Auditing:** Conducted regular Risk Assessments, Hazard Identification, and both internal and external HSE Audits to verify compliance with legal requirements, the site Legal Register, and industry standards.
- **Performance Monitoring & KPIs:** Established and tracked HSE Key Performance Indicators (KPIs); generated detailed reports on trends and Contractor Performance to identify opportunities for system improvement.
- **Incident Investigation & Governance:** Led incident investigations ensuring comprehensive documentation and corrective action closure; reviewed and updated HSE policies by embedding lessons learned from audits and incidents.
- **Safety Culture & Environment:** Coordinated field-wide HSE campaigns to foster a proactive safety culture and supported Environmental Compliance initiatives as part of integrated HSE responsibilities.

Senior HSE Advisor – Facility Management & Static Maintenance

03/2021 – 06/2023

Anton Oil Services, Majnoon Oil Field, Basra, Iraq

- **Contractor Governance:** Managed HSE performance for Facility Management and Static Maintenance contractors; conducted Pre-qualification assessments and Ready for Contract Execution (RFCE) reviews to ensure mobilization compliance.
- **Technical Risk Management:** Executed advanced risk management processes including HACCP, HAZID, and HAZOP, providing technical expertise for hazard identification and mitigation planning.
- **Incident & Audit Leadership:** Led Root Cause Analyses for incident and near-miss reporting, ensuring effective closure of corrective actions; coordinated field-wide HSE inspections and audits to verify alignment with international standards.
- **Emergency Response & Performance:** Fulfilled designated roles in Emergency Response Drills in accordance with regulatory protocols and drove continuous improvement through structured Contractor Performance Evaluations.

Corporate HSE Manager

07/2018 – 03/2021

Rönesans Holding A.Ş., Istanbul, Turkey

- **Digital Transformation & In-House Software Development:** Created and deployed custom HSE Incident Data Management software and mobile applications across the Holding's project portfolio, streamlining predictive metrics, observations, and data-driven strategies for systemic risk reduction.
- **Global Compliance & ESG:** Supervised projects in accordance with IFC, EBRD, and World Bank health and safety standards, ensuring alignment with ESG performance targets and international best practices.
- **Audit & Incident Leadership:** Conducted comprehensive global HSE audits and led incident investigations using Root Cause Analysis and trend analysis to drive corrective and preventive actions.
- **Strategic Governance:** Enforced compliance with Corporate HSE procedures and developed strategic HSE objectives for the Holding; managed the Corporate HSE Budget and evaluated the effectiveness of the company-wide HSE Management System.

Lead Health & Safety Specialist

01/2016 – 07/2018

TANAP Pipeline Project Lot 2, Sivas, Turkey

- **Construction Phase:** Managed HSE compliance for contractor Health and Safety Plans and Permit-to-Work (PTW) systems during pipeline, compressor, block valve, and gas metering station construction; supervised a team of HSE Specialists.
- **Line Fill & Commissioning Phase:** Oversaw critical HSE controls for Hydrocarbon Introduction and energized electrical systems during line-fill and commissioning stages; ensured strict adherence to Control of Work (CoW) systems and safety protocols prior to start-up.
- **Competence Development & CoW Strategy:** Led continuous improvement initiatives for CoW practices by coaching Area Authorities, Deputies, and PTW Coordinators, and developing the competence of the TANAP and contractor CoW taskforce.

Earlier Roles

- **HSE Officer – IOT-VITO Engineering, STAR Refinery, Izmir, Turkey (04/2015 – 01/2016):** Managed HSE operations for the turnkey construction of over 50 cylindrical and spherical tanks (1.2 million m³ capacity); enforced ISO 14001 standards; led in-house safety training.
- **HSE Advisor & PBS Coordinator – BECHTEL-ENKA JV, SCPx Project, Tbilisi, Georgia (07/2014 – 04/2015):** Managed HSE operations for on a \$528 million expansion project; designed internal audit and CAPA system; ensured ESIA compliance.
- **Lead HSE Engineer / HSE Engineer – BECHTEL-ENKA JV, Muscat International Airport Project, Oman (12/2010 – 07/2014):** Led site assurance and compliance activities, incident investigations using Root Cause Analysis, HSE data trend analysis, and multi-disciplinary HSE training delivery.

EDUCATION

MSc, Occupational Health & Safety — Üsküdar University, Istanbul, Turkey (2022)

Thesis: The Importance of Analysis and Assessment of Occupational Accidents with Serious Injuries and Fatality (SIF) Method

MSc, Occupational Health & Safety — Cumhuriyet University, Sivas, Turkey (2017)

BSc, Environmental Engineering — Dokuz Eylül University, Izmir, Turkey (2010)

CERTIFICATIONS

ISO 45001 Lead Auditor | CertIOSH (working towards CMIOSH) | NEBOSH International General Certificate (IGC) | Kelvin TOP-SET Root Cause Analysis | 5 WHYS Root Cause Analysis | ISO 22000 Food Safety Management Internal Auditor

LANGUAGES

Turkish (Native) | English (Fluent)