

NEXERA PROCESS SAFETY

SERVICES CATALOGUE- 2026



NEXERA PROCESS SAFETY
Where Risk Meets Control

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1) INTRODUCTION

About Us

NEXERA Process Mühendislik San. ve Tic. Ltd. Şti., operates under the brand NEXERA Process Safety, provides expert process safety consulting, engineering, and training services to process industries including oil & gas, chemicals, energy, mining, cement, and other high-hazard sectors.

Our company combines strong field and project experience gained from both operational and consulting environments, delivering technically robust and practically applicable solutions to our clients.

Leveraging international consulting experience gained across diverse geographies—including the United States, Egypt, the United Kingdom, and Türkiye—we deliver services aligned with global standards.

NEXERA Process Safety aims to support organizations in effectively managing risks, reducing major accident hazards, and establishing a sustainable process safety culture.

Our Vision

To become a globally trusted and recognized leading consultancy in process safety by combining knowledge, experience, and innovative approaches.

Our Mission

To provide advanced engineering solutions in process safety, ensuring systematic risk management in industrial facilities and fostering a sustainable safety culture.

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1) NEXERA Process Safety Services

Tablo:1 NEXERA Process Safety Services List

No	Hizmetler Başlığı
1	Process Safety Management Systems (PSMS / SMS) Support
2	Process Safety Audits and Gap Assessments
3	Hazard and Operability Study (HAZOP)
4	Hazard Identification Study (HAZID)
5	Layers of Protection Analysis (LOPA)
6	Fault Tree Analysis and Event Tree Analysis (FTA & ETA)
7	Process Safety Incident Investigation and Root Cause Analysis
8	Consequence Modelling and Quantitative Risk Assessment (QRA)
9	Hazardous Area Classification (HAC) and ATEX Compliance Support
10	Management of Change (MOC) Support
11	Process Safety Key Performance Indicators (KPIs)
12	Technical Support for Major Accident Hazard Reports (e.g. Seveso III Directive)
13	Functional Safety Studies

1) Process Safety Management Systems (PSMS / SMS) Support

Support in developing and improving structured management systems to effectively identify, control, and monitor major process safety risks across the organization.

2) Process Safety Audits and Gap Assessments

Independent review of existing practices to identify gaps against international standards and recommend practical improvements to enhance process safety performance.

3) Hazard and Operability Study (HAZOP)

A structured and systematic study used to identify potential process hazards and operational deviations, ensuring safe and reliable plant operation.

4) Hazard Identification Study (HAZID)

A high-level risk assessment used to identify potential hazards at early project or operational stages, enabling proactive risk management.

5) Layers of Protection Analysis (LOPA)

A semi-quantitative method used to evaluate whether existing protection layers are sufficient to reduce risks to acceptable levels.

6) Fault Tree Analysis (FTA) and Event Tree Analysis (ETA)

Analytical techniques used to understand the causes and consequences of potential incidents, supporting better risk evaluation and decision-making.

7) Process Safety Incident Investigation and Root Cause Analysis

Systematic investigation of incidents to identify underlying causes and implement corrective actions to prevent recurrence.

8) Consequence Modelling and Quantitative Risk Assessment (QRA)

Advanced analysis to model potential accident scenarios and quantify risks, supporting informed decision-making and regulatory compliance.

9) Hazardous Area Classification (HAC) and ATEX Compliance Support

Identification of explosion risk zones and support in ensuring compliance with applicable standards for equipment selection and safe operation.

10) Management of Change (MOC) Support

Structured approach to assess and manage risks associated with process, equipment, or organizational changes before implementation.

11) Process Safety Key Performance Indicators (KPIs)

Development and monitoring of measurable indicators to track and improve process safety performance over time.

12) Technical Support for Major Accident Hazard Reports

Provision of technical studies and analyses required for major hazard reporting, supporting compliance with applicable regulatory frameworks.

13) Functional Safety Studies

Assessment and design support for safety instrumented systems to ensure risks are reduced to acceptable levels through reliable protection functions.

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