



سوابق شغلی

عضو کمیته فنی و بازرگانی

شرکت نفت و گاز پارس (تهران)

آبان ۱۴۰۴ - تاکنون

رئیس نظارت بر طرح های جمع آوری گازهای مشعل شرکت ملی نفت

مدیریت مهندسی و توسعه شرکت ملی نفت (تهران)

خرداد ۱۴۰۳ - آبان ۱۴۰۴

همزمان عضو کمیته مشترک مدیریت (JMC) طرح توسعه میدان نفتی آذر (فاز ۲)

مسئول برنامه ریزی و کنترل پروژه طرح های جمع آوری گازهای مشعل شرکت ملی نفت

معاونت توسعه و مهندسی شرکت ملی نفت (تهران)

دی ۱۳۹۹ - خرداد ۱۴۰۳

کارشناس ارشد ارزیابی برآورد هزینه طرح ها

مدیریت برنامه ریزی تلفیقی شرکت ملی نفت (تهران)

خرداد ۱۳۹۵ - دی ۱۳۹۹

ناظر ارشد خطوط لوله

شرکت نفت و گاز پارس (عسلویه)

خرداد ۱۳۸۵ - خرداد ۱۳۹۵

مهارت ها

تسلط بر تحلیل با استفاده از نرم افزار ANSYS

تسلط بر تخمین هزینه پروژه های نفت و گاز با نرم افزار Questor

تسلط بر استانداردهای موسسه بین المللی مهندسی هزینه (AACE)

آشنایی کامل با طراحی خطوط لوله پالایشگاهی بر طبق کد ASME B31.3 و سایر استانداردهای مرتبط

آشنایی کامل با فرآیند و نحوه تنظیم اسناد مهندسی پروژه

طراحی با استفاده از تحلیل قطعات مکانیکی از جمله مخازن تحت فشار

فعالیت ها

تدریس دروس مهندسی مکانیک

دانشگاه آزاد اسلامی

مهر ۱۳۹۲ - خرداد ۱۳۹۴

تهیه دستورالعمل تخمین هزینه در بخشهای مختلف (حفاری، تانکهای ذخیره، خطوط لوله خشکی و دریایی، ایستگاههای پمپاژ و تقویت فشار گاز و کارخانه های فرآورش نفت)

مدیریت برنامه ریزی تلفیقی شرکت ملی نفت

خرداد ۱۳۹۵ - دی ۱۳۹۹

<https://cpm.nioc.ir/cost-estimation.html>

تدریس استاندارد تخمین هزینه ونرم افزار مربوطه

موسسه نوین پارسیان

کارشناسی ارشد مهندسی مکانیک - طراحی کاربردی

دانشگاه صنعتی شیراز
مهر ۱۳۸۸ - اسفند ۱۳۹۰
معدل ۱۸.۷۹

دکتری مهندسی مکانیک - طراحی کاربردی

دانشگاه تربیت مدرس
مهر ۱۳۹۲ - بهمن ۱۳۹۶
معدل ۱۸.۲۳

کارشناسی مهندسی مکانیک - حرارت و سیالات

دانشگاه صنعتی اصفهان
مهر ۱۳۷۷ - شهریور ۱۳۸۲

زبان

انگلیسی (نمره ۷.۵ از آزمون
IELTS-Academic سال ۲۰۲۴)

دوره‌ها و گواهینامه‌ها

• گواهینامه مدیریت پروژه PMP.

موسسه PMI
آبان ۱۳۹۷ - آبان ۱۴۰۶

تحقیقات و مقالات

Three-dimensional thermoviscoelastic analysis of a FGM cylindrical panel using state space differential quadrature method

Journal of Thermal Stresses Volume 41, 2018 Issue 3, pages 383-398.

Three dimensional static analysis of viscoelastic FGM cylindrical panel using state space differential quadrature method

European Journal of Mechanics A/Solids, Volume 61, January–February 2017, Pages 254-266.

Three dimensional thermoviscoelastic analysis of a simply supported FGM cylindrical panel

Composite Structures, Volume 148, 15 July 2016, Pages 181-190

Experimental and numerical analysis of novel multi-layer sandwich panels under three point bending load

Composite Structures, 2020, 112631



Hossein Norouzi

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SUMMARY

Professional Summary

Experienced Mechanical engineer with over 20 years of experience in oil and gas industry, specializing in piping design, structural analysis, and project coordination. Proven track record of delivering complex engineering solutions on time and within budget, while ensuring compliance with international codes and safety standards. Adept at cross-functional collaboration, technical problem-solving, and mentoring junior engineers to achieve project excellence. Familiar with engineering (Basic, FEED and detailed), procurement and construction & commissioning phases of projects. Possessing Technical knowledge relating to project management (PMP certified), cost estimation (Class 4/5 AACE), code compliance, FE analysis and strong communication and team working skills

WORK EXPERIENCE

 **NATIONAL IRANIAN OIL COMPANY – TEHRAN, IRAN**

SENIOR PIPING ENGINEER – 1 APR 2018 – CURRENT

- Proper routing, space allocation, and accessibility.
- Optimizing layout to reduce material costs and meet safety standards.
- Appropriate piping materials selection based on process conditions (temperature, pressure, fluid type).
- Ensuring compliance with project specifications and codes (e.g., ASME, ASTM, API).
- Reviewing pipe stress analysis.
- Arranging piping systems to withstand thermal expansion, vibration, and load conditions.
- Preparing and updating piping material specifications, valve specs, and line class sheets.
- Reviewing and approving piping isometrics and piping & instrumentation diagrams (P&IDs).
- Ensuring consistency between documents and accuracy of design models.
- Reviewing pipe supports, hangers, and anchor systems.
- Coordinating with structural engineers.
- Coordinating with process, mechanical, civil, electrical, and instrumentation teams.
- Resolving design clashes and ensure integration of systems.
- Reviewing vendor drawings and technical documents.
- Providing technical support to procurement and construction teams.
- Supporting during pre-commissioning and commissioning.
- Ensuring designs meet international codes and client specifications.

 **PARS OIL AND GAS COMPANY (SUBSIDIARY OF NATIONAL IRANIAN OIL COMPANY) – ASALOUYEH, IRAN**

PIPING ENGINEER – 22 MAY 2006 – 1 APR 2018

- Designing and inspection of gas refinery piping in South Pars gas field based on ASME B31.3.
- Reviewing and editing engineering documents such as piping material specification.
- Field engineering including preparing response to TQs.
- Coordination between subcontractor especially in interfaces.
- Inspection and checking code compliance in piping and mechanical construction.
- Verification of contract documents, piping classes for supports and support materials.
- Developing detailed engineering of supports in accordance with contractual requirements.
- Verification of issued documentation.
- Interface managing in coordination with specialists from other units such as Civil, Equipment, Process, etc.
- Executing of technical opinions in the field of components of stress and supports disciplines.





INSTRUCTING EXPERIENCE

- Dynamics and Fluid Mechanics.
- Ansys Mechanical.
- B31.3 Process Piping Code.
- AACE's (Association for Advancement of Cost Engineering) recommended practices.
- Questor cost estimation software.

INDUSTRIAL EXPERTISE

Industrial Knowledge and Activities

- Prepare piping specifications including piping details and field changes.
- Piping code compliance design and inspection based on ASME design Codes including B31.3, B31.4 and B31.8.
- Holding 30%, 60% and 90% model reviewing meetings.
- Verification of issued documentation.
- Project Interface management.
- Working with international material, piping and equipment codes and standards including ASME, ASTM, API, NACE, ISO, MSS, etc.
- Design and analysis of mechanical parts by Ansys as a part time job including:
 - ✓ Analysis of 30"-elbow to find out if it will fail under hydro test pressure by FEA Package.
 - ✓ Analysis of flexible coupling to find out the fatigue safety factor using FEA Package.
 - ✓ Design by analysis of car seal closed valve kit using FEA Package.

LANGUAGE SKILLS

Mother tongue(s): **PERSIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH (JUNE 2024 IELTS TEST OVERAL SCORE 7.5 OUT OF 9)	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

EDUCATION AND TRAINING

23 SEP 2013 – 28 JAN 2018 Tehran, Iran

PHD IN MECHANICAL ENGINEERING (APPLIED DESIGN) Tarbiat Modares University

Website www.modares.ac.ir | **Field of study** Mechanical engineering (Applied Design) | **Final grade** 18.23 OUT OF 20 |

Thesis Three dimensional static and free vibration analysis of FGM viscoelastic cylindrical panel under mechanical and thermal loads using DQ method

23 SEP 2009 – 10 MAR 2012 Shiraz, Iran

MSC IN MECHANICAL ENGINEERING (APPLIED DESIGN) Shiraz University of Technology

Website www.sutech.ac.ir | **Field of study** Mechanical Engineering (Applied Design) | **Final grade** 18.79 out of 20 |

Thesis Buckling analysis of composite cylindrical shells using finite ring method.



23 SEP 1998 – 22 AUG 2003 Isfahan, Iran

BSC IN MECHANICAL ENGINEERING (FLUID MECHANICS) Isfahan University of Technology

Website www.iut.ac.ir | **Field of study** Mechanical Engineering (Fluid Mechanics) |

Thesis Theoretical analysis of 5-DOF automobile suspension system.

● **HONOURS AND AWARDS**

10 MAR 2012

Rank Certificate – Shiraz University of Technology

Ranked First in Shiraz University of Technology graduate students in field of mechanical engineering, solid mechanics, applied design.

● **MANAGEMENT AND LEADERSHIP SKILLS**

Project Management

Project Management Professional (PMP) certificate from Project Management Institute (PMI).

● **COMMUNICATION AND INTERPERSONAL SKILLS**

Team working, Time management

- Strong team working capacity.
- Strong analytical capabilities.
- Highly developed communication skills, building effective workplace relationships.
- Well organized and efficient with strong time management skills.