



COMPANY PROFILE

ASAKCO

November 2023

Introduction

ASAKCO founded by former ABKARKHE specialists and seasoned personnel in 2014 (officially established in 2018). Our team brings a wealth of experience in offshore oil and gas engineering, with a focus on innovation and cost-effective solutions for even the most challenging environments, including harsh and remote locations.

ASAKCO is dedicated to delivering a wide range of services within the oil and gas industries, both onshore and offshore. Our team comprises skilled engineers and experts with diverse backgrounds, offering extensive experience across various disciplines within the oil and gas sector. This enables us to provide our clients with comprehensive services in process engineering, as well as expertise in other engineering disciplines.

At **ASAKCO**, our primary goal is to promote and facilitate the increased utilization of local resources in the execution of oil and gas projects. We achieve this by fostering partnerships with foreign companies interested in the Iranian oil and gas industry, all while delivering top-tier services to meet the specific requirements of the Iranian petroleum sector.

ASAKCO provides a wide array of services, including but not limited to:

Oil and Gas Industry

- Oil and gas fields development
- Wellhead and gathering systems
- Oil and gas separation plants
- Offshore platforms & facilities
- Crude oil desalting and treatment
- Gas compression and injection
- Pump stations
- Pipeline transportation systems
- Utility systems
- Oil refineries
- Gas treatment plants
- NGL plants
- Sulphur recovery plant
- Petrochemical plants

- Skid mounted Plants
- Power generation and transmission
- Water treatment plants
- Project Management and Consultancy Services
- Environmental and Safety Compliance
- Quality Assurance and Quality Control (QA/QC)

General Services:

Our company specializes in providing a comprehensive range of engineering consulting services for oil, gas, and industrial projects. We offer the following services, which can be tailored and combined to suit your specific project needs:

- **Management Contract:** Complete management oversight for your projects, ensuring seamless execution and delivery.
- **Management Consultancy:** Expert advisory services to guide and optimize project management and operations.
- **Health, Safety, and Environmental (HSE) Management:** Thorough management of all health, safety, and environmental aspects of your projects to ensure compliance and best practices.
- **Planning and Project Management:** Detailed project planning and effective project management services to ensure timely and successful project completion.
- **Cost Estimation and Control:** Accurate cost estimation and diligent cost control measures to optimize project budgeting and spending.
- **Production Optimization and Process Selection:** Customized solutions and advanced processes to enhance production efficiency and streamline operations.
- **Feasibility and Techno-economic Studies:** In-depth studies to assess project feasibility and economic viability, providing valuable insights for decision-making.
- **Conceptual Design:** Innovative and efficient conceptual design services to lay solid foundations for your projects.
- **FEED Engineering (Front-End Engineering Design):** Robust engineering design services focusing on early project phases to ensure thorough planning and decision-making.
- **Detail Engineering:** Comprehensive and meticulous engineering detailing to support smooth project execution.
- **Brownfield Renovation and Optimization:** Revitalization and optimization services for existing facilities, maximizing their potential and extending their lifespan.
- **Procurement Engineering:** Strategic and efficient procurement services to source and acquire the best materials and equipment for your projects.

- **Construction Management and Supervision:** Professional oversight and management of construction activities to guarantee high-quality and timely project execution.
- **Construction Supervision:** On-site supervision and inspection to maintain construction quality and adherence to project specifications.
- **Commissioning and Start-up Services:** Skillful handling of commissioning activities and start-up procedures to ensure seamless project initiation and operation.
- **Training:** Customized training programs for your personnel to equip them with the necessary skills and knowledge for successful project implementation and operation.

We are committed to delivering excellence in all these service areas, providing tailored solutions to meet the unique requirements of each project and client.

EPC Services:

In the realm of EPC project development, ASAKCO offers a comprehensive suite of services that spans every phase of a project. Our primary focus revolves around the pivotal stages of feasibility studies, engineering design, and project management.

Feasibility Studies:

Our feasibility studies are founded on thorough engineering analysis, providing invaluable recommendations for the most effective approach to industrial project development. Our evaluations encompass comprehensive assessments of capital and operational (CAPEX and OPEX) considerations, potential operational challenges, and the anticipated economic returns for new ventures. We strongly advocate for conducting these studies prior to the initiation of the engineering design phase to ensure informed decision-making and project readiness.

Engineering Design:

Our engineering design services encapsulate all the technical data essential for the procurement and installation of equipment, along with the construction of facilities. This encompasses basic and detailed engineering documents, drawings, specifications, bid documents, contractual obligations, and equipment lists.

Project Management:

Operationalizing our project management expertise, we extend our services to cover material and equipment procurement, expediting, inspection, transportation, and on-site handling. Additionally, our project management scope encompasses valuable assistance to our clients in the identification, evaluation, and selection of construction contractors, along with contract

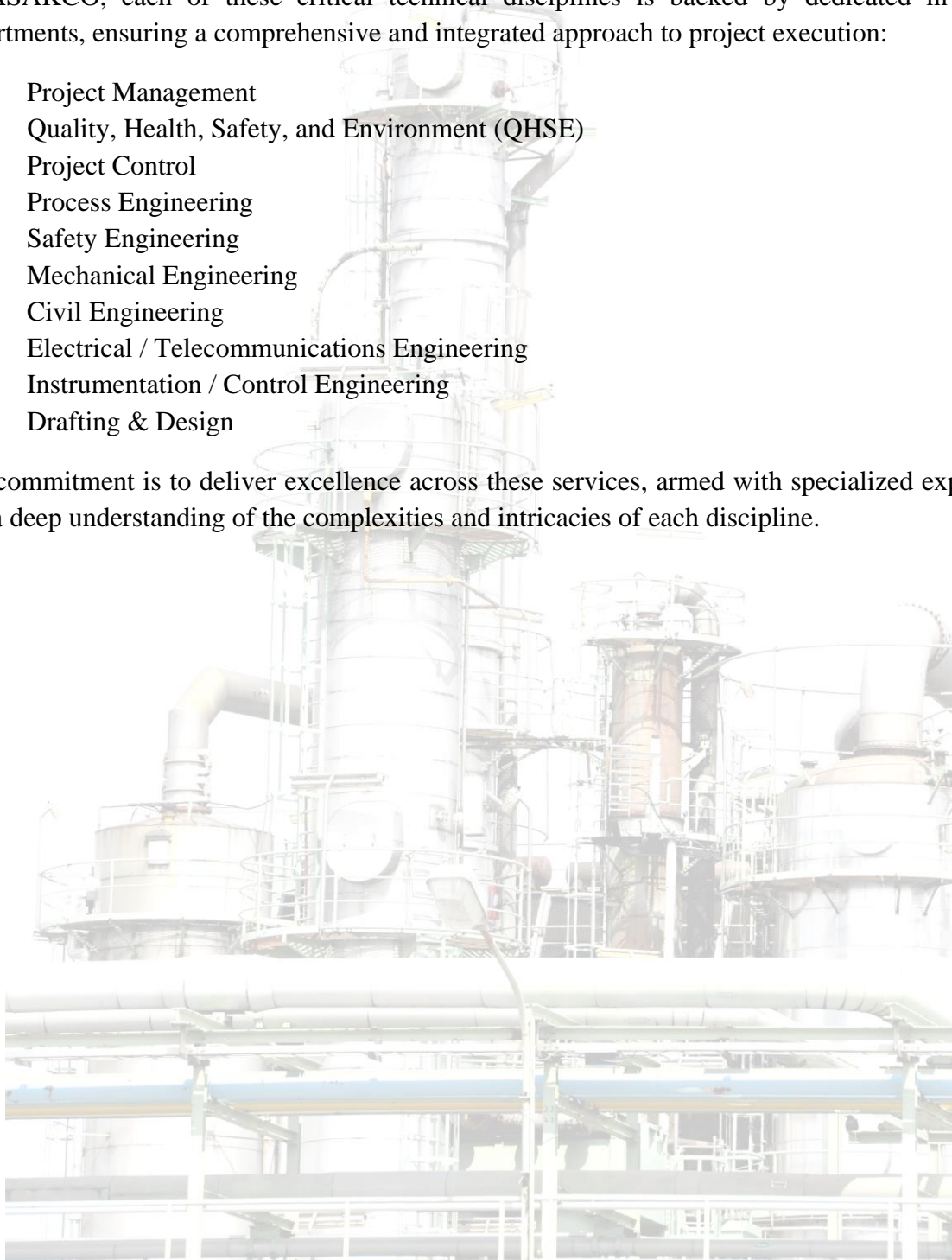
negotiations, construction supervision, pre-commissioning and commissioning activities, operator training, and seamless plant start-up and hand-over.

In-house Engineering and Technical Discipline:

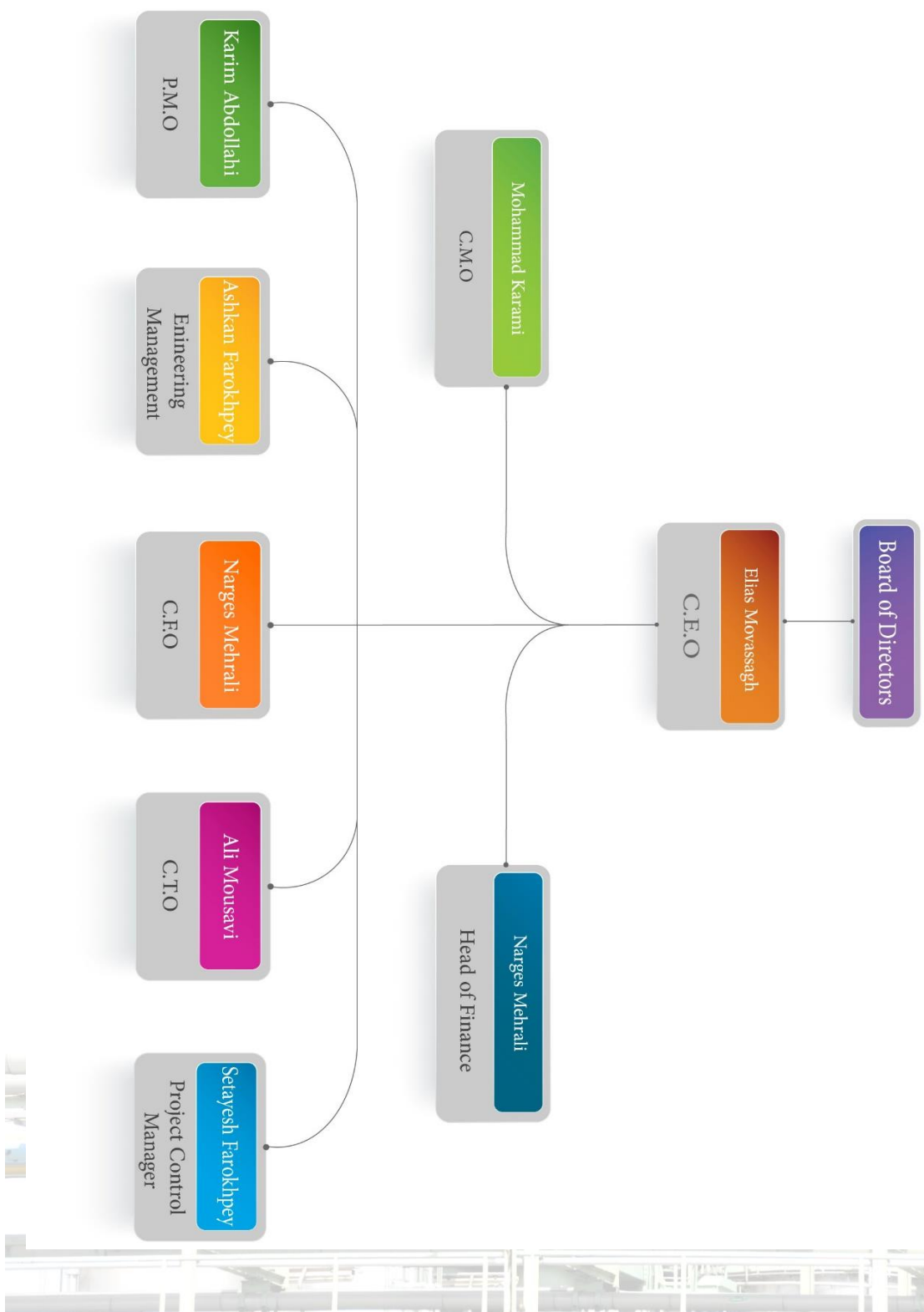
At ASAKCO, each of these critical technical disciplines is backed by dedicated in-house departments, ensuring a comprehensive and integrated approach to project execution:

- Project Management
- Quality, Health, Safety, and Environment (QHSE)
- Project Control
- Process Engineering
- Safety Engineering
- Mechanical Engineering
- Civil Engineering
- Electrical / Telecommunications Engineering
- Instrumentation / Control Engineering
- Drafting & Design

Our commitment is to deliver excellence across these services, armed with specialized expertise and a deep understanding of the complexities and intricacies of each discipline.



Organization Structure



Drafting Design & 3D Modeling

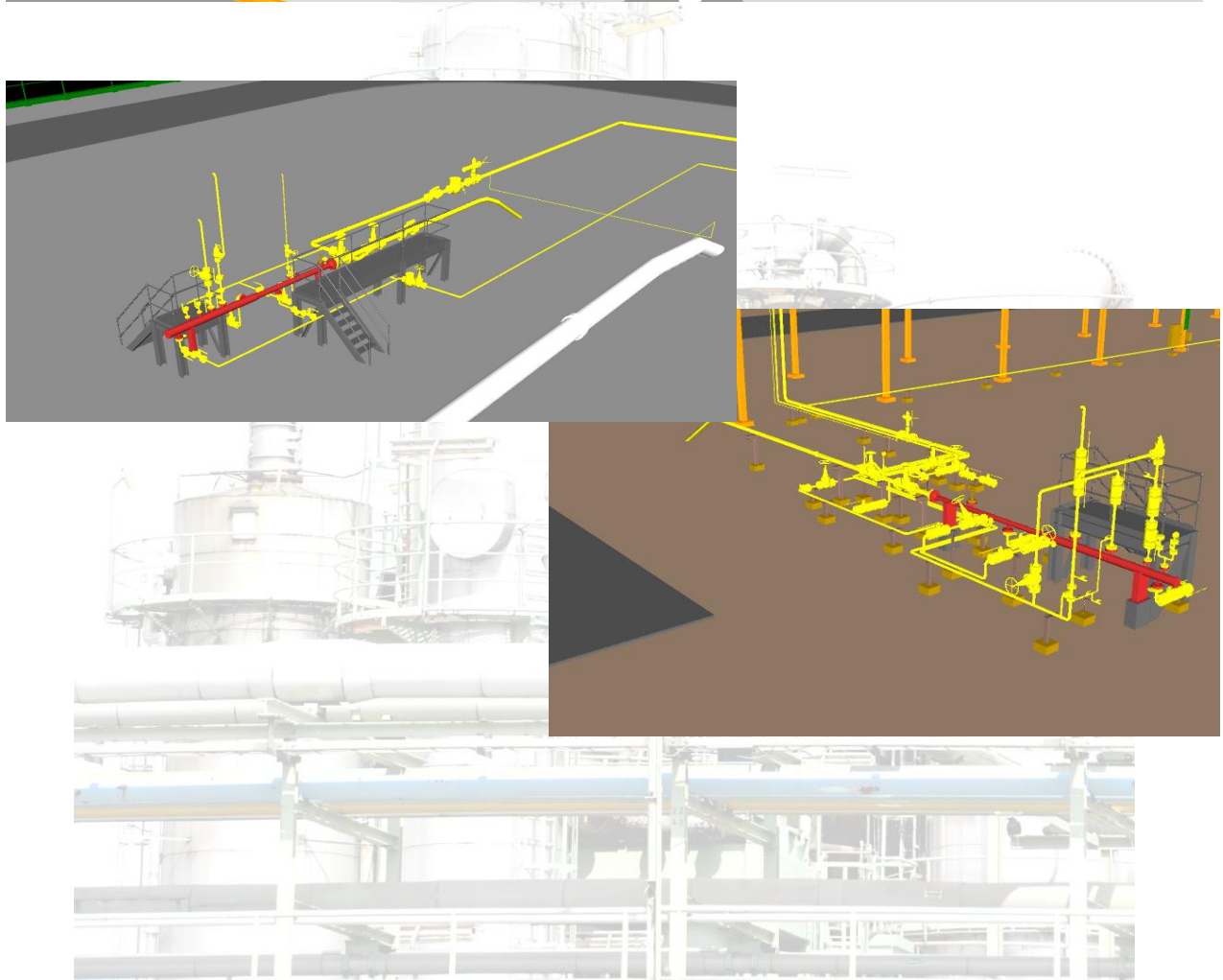
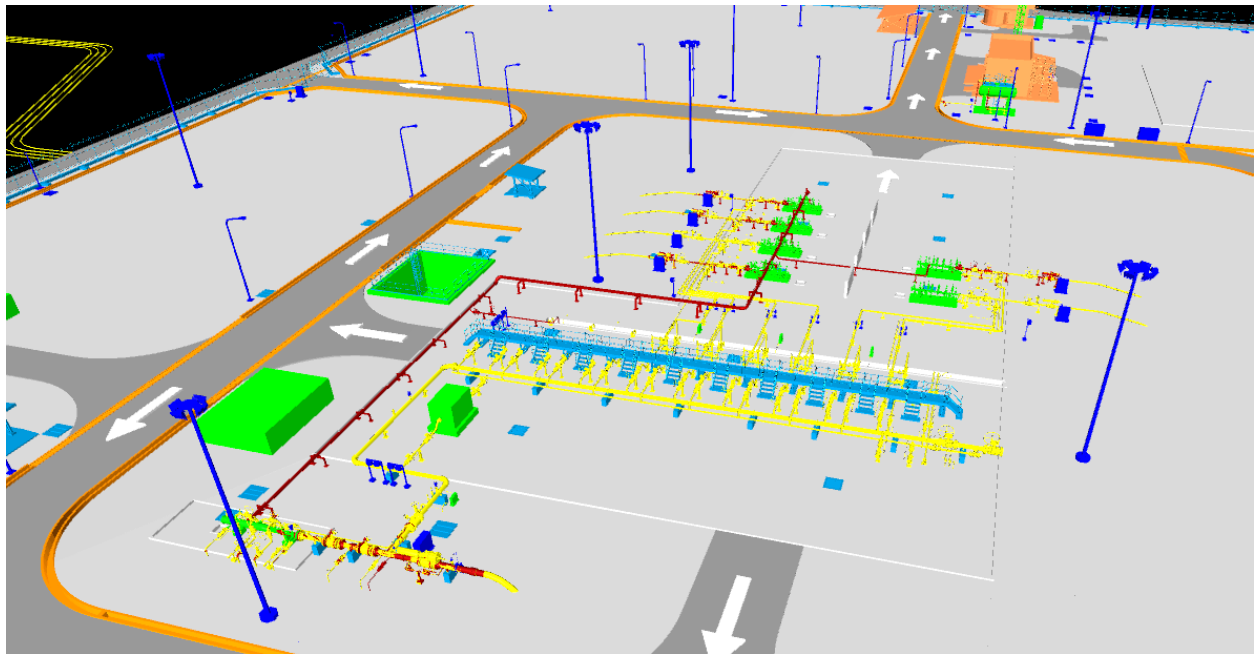
At ASAKCO, our Design and Drafting team spearheads a robust and proficient Drafting Department, boasting extensive expertise across all spheres of onshore and offshore facilities. Our services span the entire spectrum, encompassing full grass-roots plant design, prefabricated skid packages, as well as intricate modifications and expansions to existing facilities.

Key Features:

- **Comprehensive Expertise:** Our team possesses the acumen to address diverse design and drafting needs, ranging from conventional plant layouts to intricate facility modifications, and beyond.
- **Discipline-Specific Tools:** Each drafting workstation is equipped with industry-leading software, including AutoCAD and PDMS, enabling us to deliver precise and discipline-specific drafting services with utmost accuracy and efficiency.
- **Client-Centric Approach:** Our Drafting Department is structured to engage directly with clients seeking exclusive drafting services, ensuring a tailored and client-oriented experience throughout the project lifecycle.
- **Multi-disciplinary Collaboration:** While catering to individual drafting requirements, our department seamlessly collaborates within the context of larger multi-disciplinary projects, ensuring a cohesive and integrated approach aligned with project-wide objectives.

Whether it's about bringing innovative concepts to life through intricate drafting, creating detailed construction and fabrication documentation, or leveraging cutting-edge 3D modeling, our team stands ready to deliver top-notch solutions to meet your unique project demands.





Health, Safety & Environmental

At ASAKCO, we uphold a strong commitment to Health, Safety, and Environmental (HSE) excellence, ensuring that these crucial principles are seamlessly integrated into every facet of our project executions. Our dedication lies in not only meeting but customizing project executions to align with our clients' corporate HSE requirements, emphasizing a collaborative and tailored approach to ensure full compliance and alignment with your operational standards.

Key Focus:

- **Customized Project Executions:** We take immense pride in tailoring project executions to encompass and meet the unique HSE requirements and standards set forth by our clients. By doing so, we ensure that our collaborative efforts are tightly aligned with your corporate HSE values and processes, empowering a seamless integration of HSE objectives across all project activities.
- **Operational Safety Philosophy:** ASAKCO is unwavering in its commitment to imbuing HSE principles into the very fabric of our work and design processes. Our overarching philosophy is geared towards actualizing operationally safe facilities, ensuring the well-being and safety of all personnel involved in the construction and operations of the facilities.
- **Comprehensive HSE Information:** We take great pleasure in providing our clients with detailed and specific HSE information tailored to their project opportunities. This transparent and informative approach empowers our clients with the requisite knowledge and insights to make informed decisions, while also fostering a shared commitment to upholding the highest HSE standards.

We are resolute in our endeavor to ensure that every project we undertake is underpinned by a steadfast dedication to HSE excellence, translating into operations that prioritize safety, environmental responsibility, and the well-being of all personnel involved.

Company Experiences

RAMSHIR OIL FIELD DEVELOPMENT

Client	National Iranian South Oil Company (NISOC)
EPC Contractor	Petro Tech Sun Company (International EPCF Group)
Technical Category	Oil & Gas Field Development
Services Performed	Tender Package Preparation
Project Status	Finished



ZELOI OIL FIELD DEVELOPMENT

Client	National Iranian South Oil Company (NISOC)
EPC Contractor	Global Petro Tech Kish Company
Consultant	Tarh Andishan Consulting Engineering
Technical Category	Oil & Gas Field Development
Services Performed	Detailed Design
Project Status	Finished



PREPARATION OF THE TECHNICAL AND FINANCIAL PACKAGE TENDERS – MAROUN 1&4

Client	National Iranian South Oil Company (NISOC)
EPC Contractor	Petro Tech Sun Company (International EPCF Group)
Technical Category	Oil & Gas Field Development
Services Performed	Tender Package Preparation
Project Status	Finished



PREPARATION OF THE TECHNICAL AND FINANCIAL PACKAGE TENDERS – GACHSARAN 1&2

Client	National Iranian South Oil Company (NISOC)
EPC Contractor	Iranian Offshore Engineering and Construction Company (IOEC)
Technical Category	Oil & Gas Field Development
Services Performed	Tender Package Preparation
Project Status	Finished



GACHSARAN 3&4 FIELD DEVELOPMENT

Client	National Iranian South Oil Company (NISOC)
EPC Contractor	Iranian Offshore Engineering and Construction Company (IOEC)
Technical Category	Oil & Gas Field Development
Services Performed	Detailed Design
Project Status	Finished



FEASIBILITY STUDY FOR THE SECOND COMPRESSOR DESIGN OF THE CRP UNIT

Client	Marun petrochemical complex
Technical Category	Oil & Gas Field Development
Services Performed	Feasibility Study
Project Status	Finished



IMAM KHOMEINI OIL REFINERY SPECIAL PRODUCT LOADING ARM (SHAZAND)

Client	Arak Oil Refinery
EPC Contractor	Petro Tech Sun Company (International EPCF Group)
Technical Category	Oil & Gas Field Development
Services Performed	Detailed Design (Telecommunication Documents)
Project Status	Finished



FEASIBILITY STUDY FOR NARGESI OIL SWEETENING UP TO 15 PPMW

Client	National Iranian South Oil Company (NISOC)
EPC Contractor	Machine Sazi Arak
Technical Category	Oil & Gas Field Development
Services Performed	Feasibility Study
Project Status	Finished



ماشین سازی اراک
Machine Sazi Arak



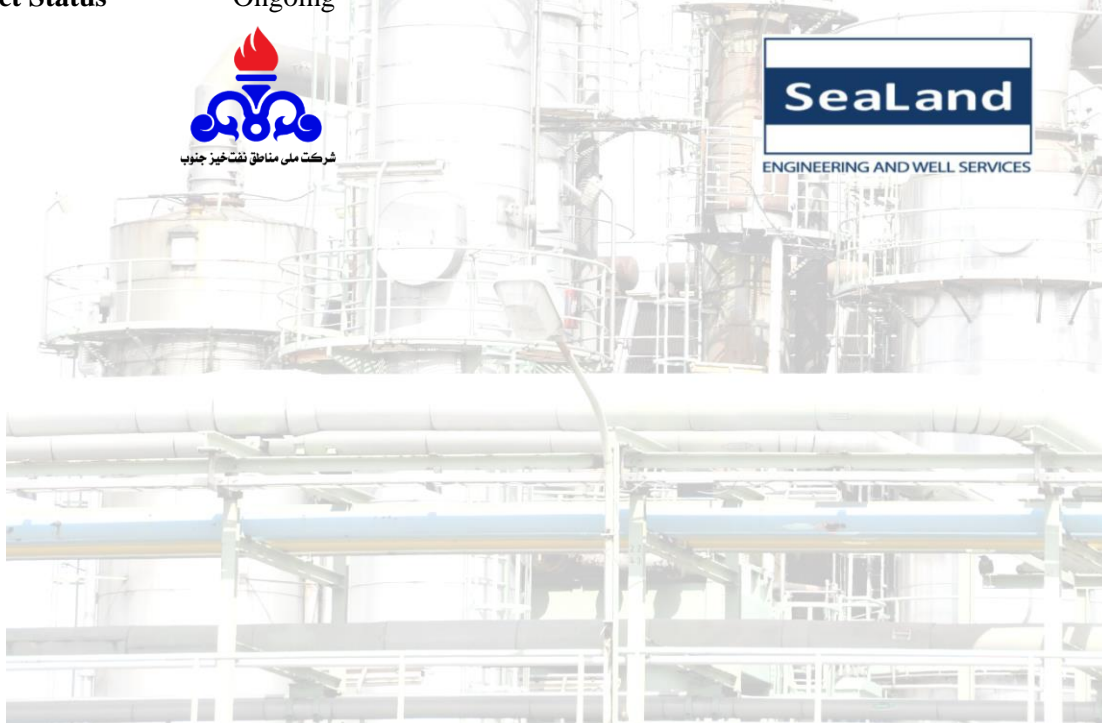
MARUN ASSOCIATED GAS TRANSMISSION PIPELINES NETWORK REPLACEMENT PROJECT

Client	Marun Petrochemical Complex
MC:	Itan International Engineering Company
PC Contractor	Mahan Sanant Arya
Technical Category	Oil & Gas Field Development
Services Performed	Detailed Design
Project Status	Ongoing



BIBI HAKIMEH FIELD DEVELOPMENT

Client	National Iranian South Oil Company (NISOC)
EPC Contractor	SeaLand Engineering and Well Services
Technical Category	Oil & Gas Field Development
Services Performed	Detailed Design
Project Status	Ongoing



ENGINEERING STUDIES FOR OPTIMIZATION AND SAFETY ENFORCEMENT OF JURRASIC WELL FACILITIES

Client	National Iranian South Oil Company (NISOC)
EPC Contractor	Tarh Andishan Consulting Engineers
Technical Category	Oil & Gas Field Development
Services Performed	Feed Engineering & Tender Package preparation
Project Status	Ongoing



MARUN ASMARI 1&4 FIELDS DEVELOPMENT PROJECT

Client	National Iranian South Oil Company (NISOC)
EPC Contractor	North Drilling Company
Consultant	Tarh Andishan Consulting Engineers
Technical Category	Oil & Gas Field Development
Services Performed	Detailed Design
Project Status	Finished



DETAILED DESIGN OF THE EARLY PRODUCTION OF SEPEHR AND JAFIR FIELDS DEVELOPMENT PROJECT

Client	Petroleum Engineering and Development Company (PEDEC)
EPC Contractor	Pasargad Energy Development Company
Technical Category	Oil & Gas Field Development
Services Performed	Detailed Design of Early Production
Project Status	Ongoing



CONSTRUCTION & COMMISSIONING PROJECT OF HOMA, VARAVI & TABNAK COMPRESSOR STATIONS – PIPELINE CONSTRUCTION

Client	Iranian Central Oil Fields Company
EPC Contractor	Persian Rad Group
Technical Category	Oil & Gas Field Development
Services Performed	Detailed Design
Project Status	Ongoing



Engineering Software List

Item	Software	Discipline	Application	Version
1	ASPEN HYSYS	Process	Process Simulation	10.0
2	PRO-II	Process	Process Simulation	V 2.0
3	ASPEN FLARE NET	Process	Flare Network	7.1 & 10.0
4	PIPESIM	Process	Piping Network Simulation	2017.2.1071
5	OLGA	Process	Pipeline Simulation	2017.2.1
6	INSTRUCALC	Process	Instrumentation Calculation	9.0.0
7	AFT IMPULSE	Process	Water Hammer	5.0.1131
8	AFT FATHOM	Process	Flow Network simulation	11.2
9	PHAST	Safety	Fire Risk Analysis	6.5.3
10	FLARESIM	Safety	Flare Radiation simulation	6.0
11	PV ELITE	Mechanic	Design of Pressure Vessels	2016
12	TANK	Mechanic	Design of Storage Tanks	2016 V.8
13	NOZZLE PRO	Mechanic	Stress Analysis of Nozzles	9.0.35
14	ANSYS	Mechanic	General Stress Analysis	19.1
15	ASPEN B.JAC	Mechanic	Heat Transfer Modeling	7.1 & 10.0
16	HTRI	Mechanic	Heat Transfer Simulation	6.0
17	SAP2000	Civil & Structure	Analysis-Design of structures	19.1.1
18	ETABS	Civil & Structure	Analysis-Design of buildings	15.2.2
19	SAFE	Civil & Structure	Analysis-Design of Foundations	12.2.0
20	CIVIL 3D	Civil & Structure	Civil Works Design	2016
21	ETAP	Electrical	Analysis-Design	16.0.0
22	DIALUX	Electrical	Lighting Design	6.1
23	CALCULUX	Electrical	Lighting Design	7.7.0.1
24	SAFT	Electrical	Battery Sizing	2008
25	PLS CADD	Electrical	Power Line Transmission Modeling	-
26	AVEVA PDMS	Piping	Modeling	12.1
27	NAVIS WORKS	Piping	Model Review	2019
28	CAESAR II	Piping	Stress Analysis	10.00
29	ECE	Piping	Material Selection	5.6
30	PREDICT	Piping	Material Selection	7.1
31	CONVAL	Instrument	Control Valve sizing	10.5.1
32	DANIEL	Instrument	Orifice Flow Calculator	3.0
33	EMERSON PRV2SIZE	Instrument	Pressure Relief Valve Sizing	10
34	VALVESTAR	Instrument	Safety Valves Sizing	-

General Software List

ITEM	Software	Discipline	Brand	Current Version
1	Windows	General	Microsoft	10/11
2	Anti-Virus	General	Kaspersky	2022
3	Microsoft Office	General	Microsoft	2010-2016
4	Adobe Acrobat	General	Adobe	V9 , XL
5	WinRAR	General	WinRAR	2018
6	Photoshop	General	Adobe	2022
7	Auto Cad	General	Adobe	2010-2016
8	MS Visio	Flowchart	Microsoft	2016
9	Adobe Illustrator	Flowchart	Adobe	2022
10	MS Project	Management	Microsoft	2016
11	Primavera P6	Management	Oracle	2018
12	Power BI	Reporting	Microsoft	2022
13	Virastyar	Typing Assistant	Omid Kashefi	Latest
14	Grammarly	Typing Assistant	Grammarly Inc.	Latest
15	Matlab	Numerical analysis	MathWorks	Latest
16	Mathcad	Numerical analysis	Mathsoft	Latest



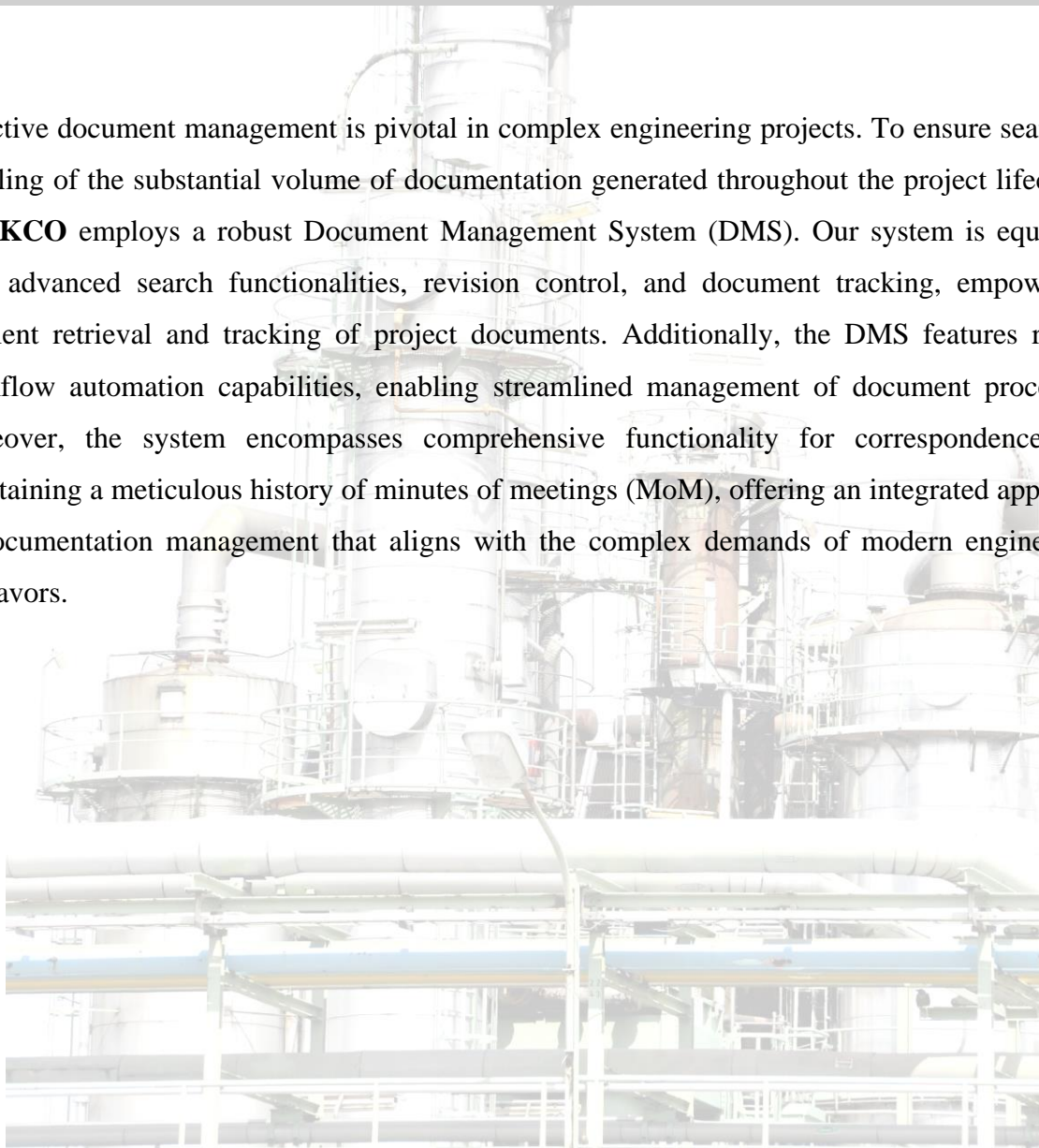
Engineering Work Management System

Mohammad Karami
Project Coordinator Expert - PEPC - SJSC

[General](#)
[Correspondences 99+](#)
[Engineering](#)
[Procurement](#)
[Construction](#)
[Management](#)
[BPMS](#)

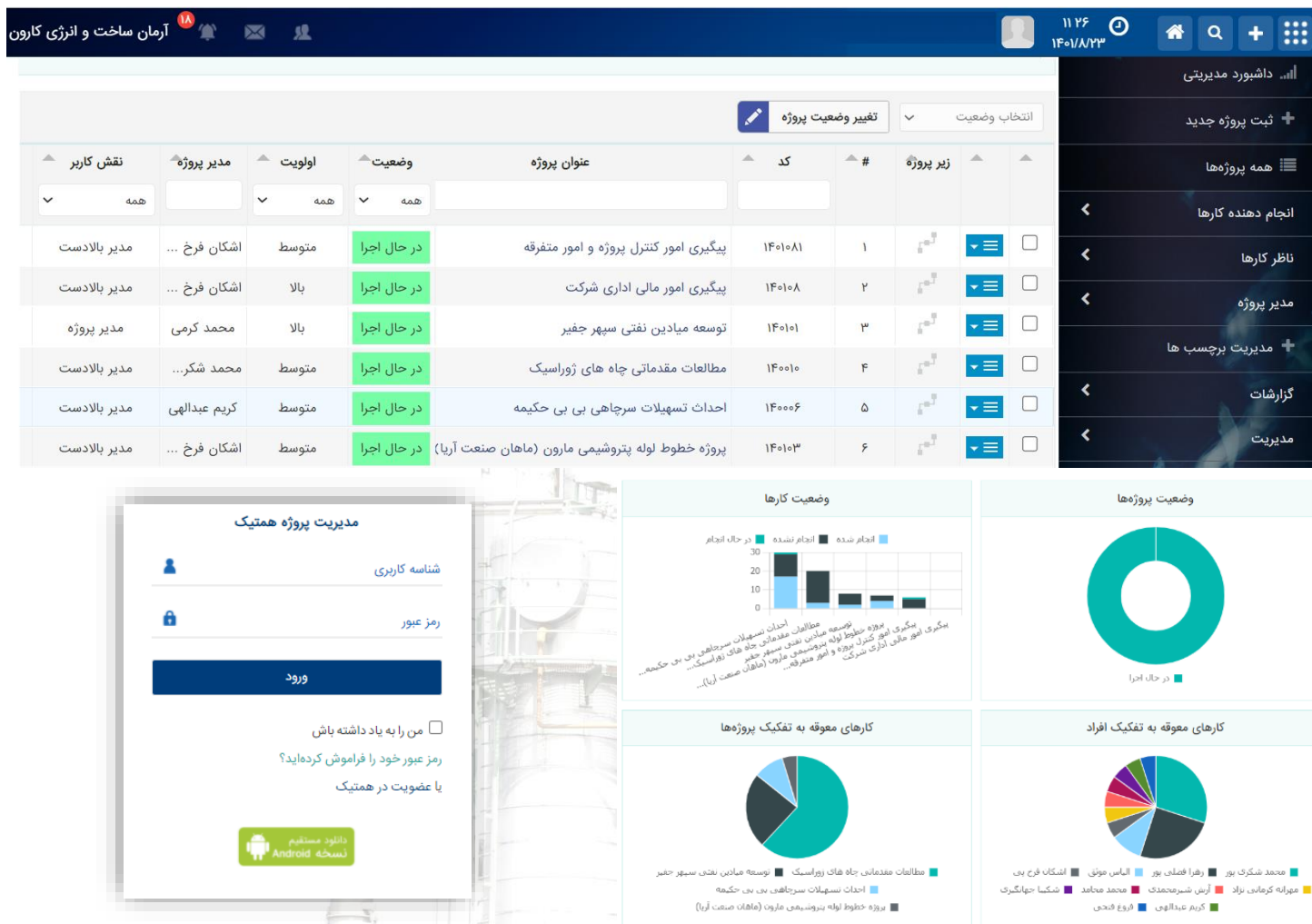
MDR			Internal Documents				Internal Transmittals			Project Transmittals	
List	My Scope	Add	New	Inbox	Sent	Registered	New	Inbox	History	New	History
		Import History Trash			Archive	Non Deliverable			Archive		
				Ball In Court	DCI On-Demand			Ball In Court			

Project Documents

#	Document No.	Document Title	Revision	P
				

Effective document management is pivotal in complex engineering projects. To ensure seamless handling of the substantial volume of documentation generated throughout the project lifecycle, **ASAKCO** employs a robust Document Management System (DMS). Our system is equipped with advanced search functionalities, revision control, and document tracking, empowering efficient retrieval and tracking of project documents. Additionally, the DMS features robust workflow automation capabilities, enabling streamlined management of document processes. Moreover, the system encompasses comprehensive functionality for correspondence and maintaining a meticulous history of minutes of meetings (MoM), offering an integrated approach to documentation management that aligns with the complex demands of modern engineering endeavors.

Work Management System



انتخاب وضعیت	تغییر وضعیت پروژه	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت
انتخاب وضعیت	تغییر وضعیت پروژه	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت
انتخاب وضعیت	تغییر وضعیت پروژه	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت	انتخاب وضعیت
مدیر بالادست	اشکان فرخ ...	متوسط	در حال اجرا	پیگیری امور کنترل پروژه و امور متفرقه	۱۴۰۱۰۸۱	۱			
مدیر بالادست	اشکان فرخ ...	بالا	در حال اجرا	پیگیری امور مالی اداری شرکت	۱۴۰۱۰۸	۲			
مدیر پروژه	محمد کرمی	بالا	در حال اجرا	توسعه میادین نفتی سپهر جفیر	۱۴۰۱۰۱	۳			
مدیر بالادست	محمد شکر...	متوسط	در حال اجرا	مطالعات مقدماتی چاه های زوراسیک	۱۴۰۱۰۱۰	۴			
مدیر بالادست	کریم عبدالمهی	متوسط	در حال اجرا	احداث تسهیلات سرچاهی بی بی حکیمه	۱۴۰۱۰۰۶	۵			
مدیر بالادست	اشکان فرخ ...	متوسط	در حال اجرا	پروژه خطوط لوله پتروشیمی مارون (ماهان صنعت آریا)	۱۴۰۱۰۱۳	۶			

"At ASAKCO, we leverage a web-based Work Management System, empowering us to efficiently assign tasks, track progress, and meticulously follow our project plan. Our system enables seamless tracking of assigned tasks and offers the capability to identify, organize, and address any bottlenecks that may arise during project execution. We review both project and non-project-related tasks and activities, fostering an environment of continuous improvement and enhancing overall team performance. This integrated approach allows us to drive superior results while ensuring optimal project delivery and team productivity and improves the results and team performance.

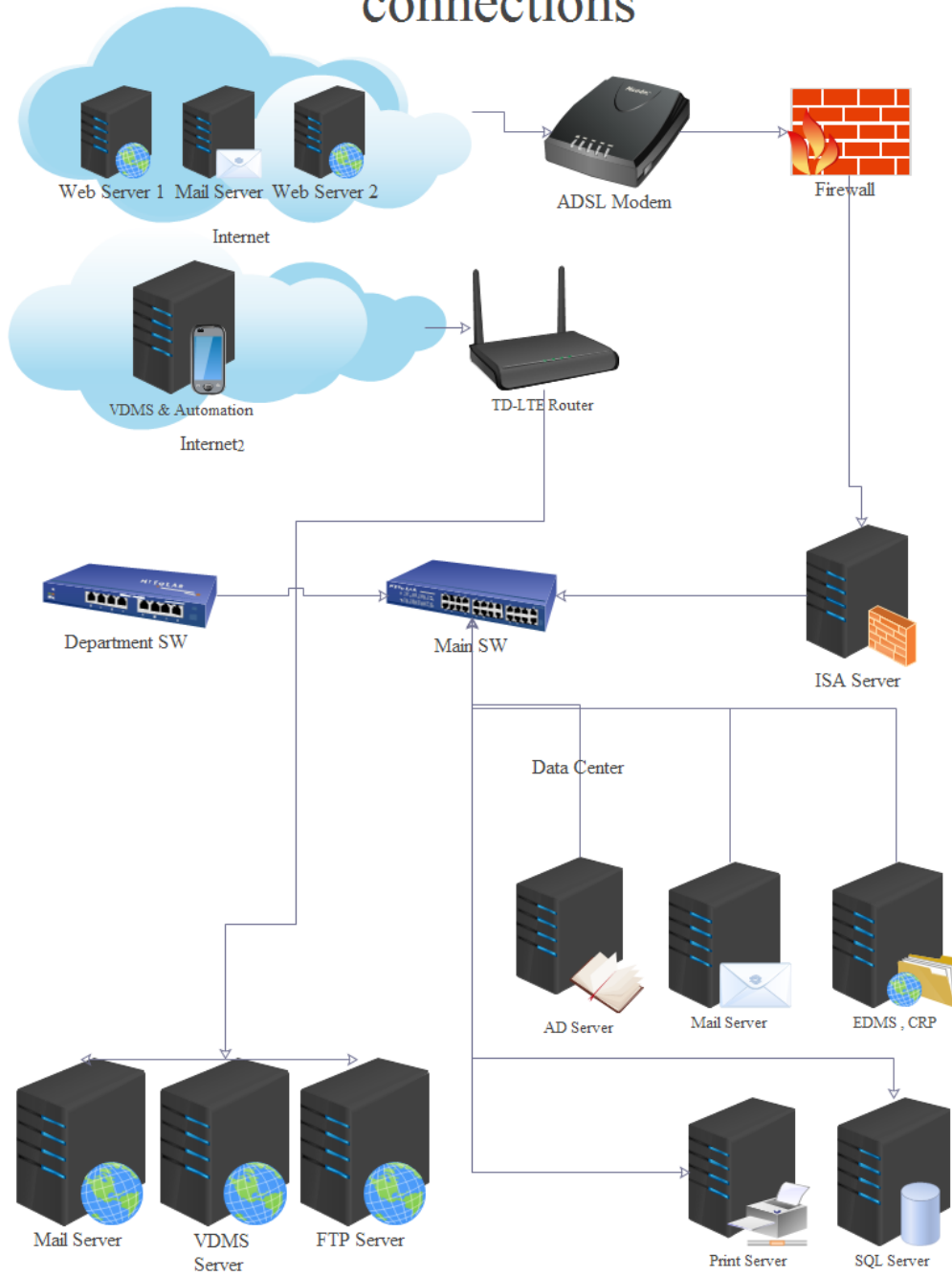
Office Facilities

ENGINEERING OFFICE:	200 m 2
TELEPHONE:	+98 61 322 13 402 (1 line)
FAX:	+98 61 322 13 402 (1 line)
SERVER:	HP, SSD 1TB, HDD 8TB
INTERNET:	ADSL 16 Mb, TD LTE 5G
TD-LTE:	UP To 200 MB
WEBSITE:	www.asakco.net
E-MAIL:	info@asakco.net

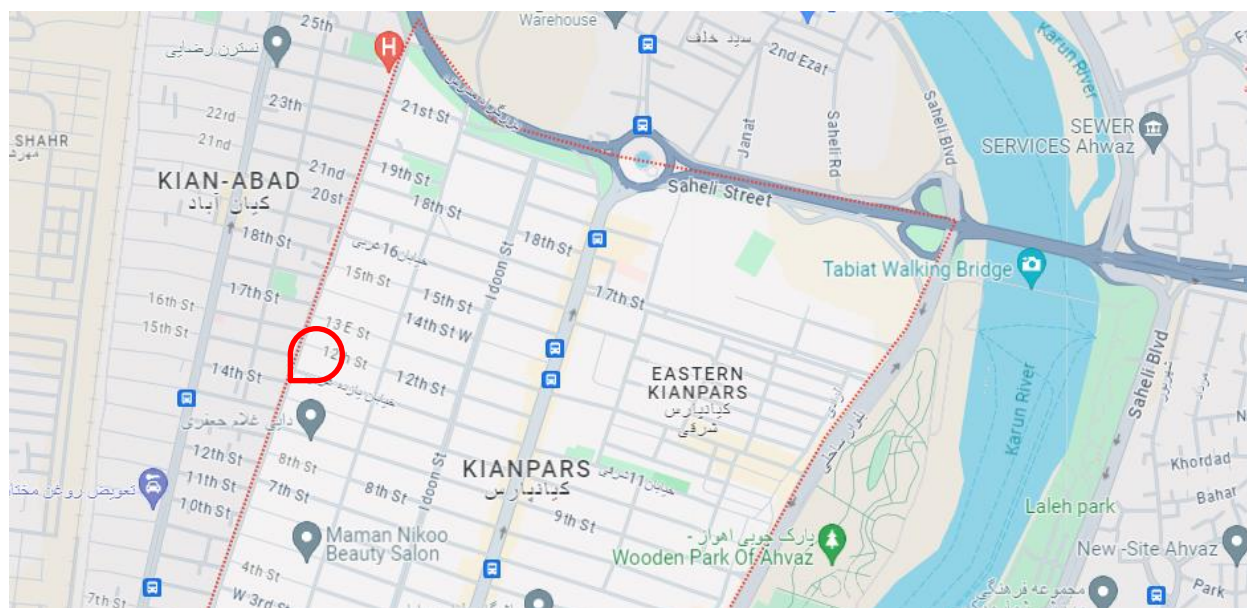
Description	Brand / Features	Quantity
PC	Lenovo i5/ HP G2 i5 – 8GB	30
Tablet	Surface	3
Notebook	Lenovo T490 – 16GB	4
Domain & Mail Servers, Backup Hard Drive	20 GB Host / 4 TB Backup	8
Printer	HP LaserJet MFP M436dn	1
Web Cam	Full HD	1
Microphone	Noise Cancellation	1
Speaker	-	1
Switch	D-Link DGS-1024A	2
Scanner	HP	1
Fax Machine	Panasonic	1
GPS	Garmin	1

Hardware

connections



Contact



ADDRESS: 2nd Floor, No.14, Hani Building, Vahabi St., Kianpars, Ahvaz, Iran

POSTAL CODE: 61557 45125

TELEFAX (office): +9861 3391 6870

WEBSITE: <https://asakco.net/>

EMAIL: info@asakco.net

