



**ENGINEERING DESIGN SERVICES**  
**3D LASER SCANNING & MODELLING**  
**PROCUREMENT & SOURCING**



Introducing the brilliant mind behind our company's success: **Hussain Alghazali**. With an impressive **20+ years** of experience in **Engineering, Procurement, and Construction Services for the Oil and Gas Industry and Infrastructure**, he is a true expert in his field.

Notably, he possesses an intimate familiarity with the **IRAQ** Oil and Gas sector's unique needs and complex systems of work. As our founder, he has been the driving force behind our company's achievements.

Co-founder **Mohammed Al-Rufaiey**, with **19 years** of

experience in design development and execution of residential and commercial projects across the USA, India, Indonesia, KSA, UAE, etc. Track record in managing designs from the Masterplan phase until project execution focusing on sustainable and high-tech construction methodologies. he aims to utilise human-centric design, environmentally conscious materials, and offsite manufacturing technology to create sustainable communities.

Join us today and tap into the incredible power of his knowledge and expertise to transform your business beyond what you ever thought possible.

## Our Team

More than 30+ Partners and 60+ Team Members



**Hussain Al-Ghazali**

Founder and Managing Director



**Mohammed Al-Rufaie**

Co-Founder and Chief Technical Officer



**Flora Berggren**

Chief Operations Officer and Business Development



**Rawand Faris**

Procurement and Supply Chain Manager

FASCO is a pioneering company that has emerged in 2023 to cater to the specialized needs of the engineering, procurement, and supply chain sectors. With a focus on supporting the construction efforts in the oil and gas industry, as well as residential and commercial building projects, FASCO aims to provide unique and comprehensive services to its clients.

Founded by an experienced professional with over 20 years of expertise in the field, FASCO is well-versed in the specific requirements of the Iraqi market. This deep understanding of the local market dynamics allows FASCO to deliver tailored solutions that meet the industry's demands and contribute to its growth.

One of the key strengths of FASCO lies in its ability to offer end-to-end solutions for engineering, procurement, and supply chain needs. By consolidating these services under one roof, the company streamlines processes and enhances efficiency, saving valuable time and resources for its clients.

In the realm of engineering, FASCO employs a team of highly skilled professionals who excel in designing innovative solutions for various construction projects. Whether it's developing intricate plans for oil and gas infrastructure or creating sustainable designs for residential and commercial buildings, FASCO ensures that every project is executed with precision and excellence.

Moreover, FASCO understands the critical importance of procurement in the success of any project. Leveraging their extensive network of suppliers and vendors, the company provides reliable and cost-effective procurement services. By sourcing high-quality materials and equipment, FASCO helps its clients maintain project timelines and achieve the desired quality standards.

In addition to engineering and procurement, FASCO excels in optimizing the supply chain for construction projects. The company employs advanced techniques and technologies to ensure seamless logistics, efficient transportation, and timely delivery of goods. This holistic approach minimizes disruptions and maximizes productivity throughout the project lifecycle.

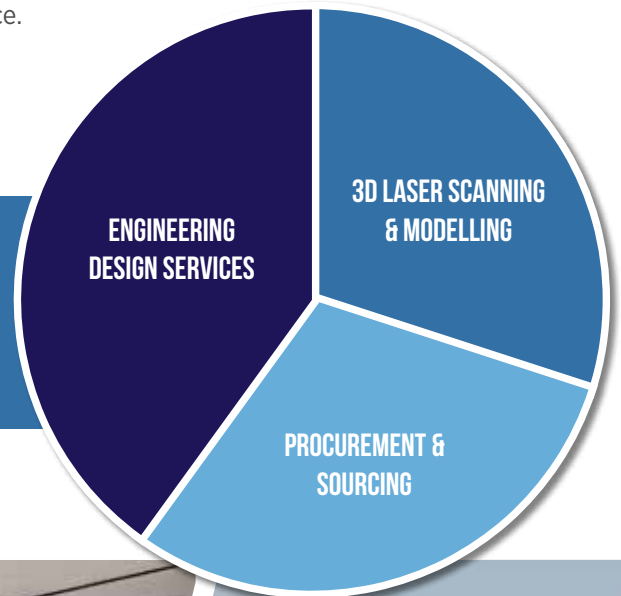
FASCO's commitment to excellence is further exemplified by its emphasis on safety and sustainability. The company adheres to stringent safety protocols, ensuring the well-being of its workforce and the environment. FASCO's sustainable practices also contribute to reducing the ecological footprint of projects, aligning with global efforts towards a greener future.

As FASCO continues to expand its operations, it remains dedicated to fostering long-term relationships with its clients. The company prides itself on providing exceptional customer service and personalized support, tailoring its solutions to meet the unique requirements of each project.

In conclusion, FASCO is a trailblazing company in the field of engineering, procurement, and supply chain services. With its founder's extensive experience and intimate knowledge of the Iraqi market, FASCO is well-positioned to drive growth and contribute to the success of construction projects in the oil and gas industry, as well as residential and commercial building sectors. By offering comprehensive solutions and emphasizing safety and sustainability, FASCO is revolutionizing the industry and setting new standards of excellence.

## Core Expertise

- Engineering Design Services**
- 3D Laser Scanning & Modelling**
- Procurement & Sourcing**



## What we do:

FASCO LLC stands at the forefront of Engineering Design Services for Project Development, Infrastructure, and the Oil and Gas industry. Through our dedicated team of experts, we provide innovative and sustainable solutions that address the diverse needs of our clients. Additionally, our integrated procurement and supply chain solutions ensure a seamless project execution from start to finish. With a focus on excellence, FASCO continues to deliver exceptional services, contributing to the growth and success of our clients' ventures in various sectors.

### Project Development and Infrastructure Design:

Our services cover all aspects of new construction and development projects, including:

**Feasibility Studies:** Through meticulous feasibility studies, we examine the financial, environmental, market, technical, and operational facets of every project, assuring a strong foundation.

**Business Planning:** We formulate strategic business plans that delineate a clear path towards achieving project goals, thus crafting a robust roadmap for success.

**Project Development & Master Planning:** Our expertise lies in crafting master plans that provide a comprehensive blueprint for future development. Collaborating closely with our clients, we translate their vision into a conceptual design that aligns with project objectives.

**Conceptual Design & Infrastructure Design:** Our designs meld strategic thought, meticulous attention to detail, and creative innovation, ensuring seamless integration of infrastructure design for the enduring success of each project.

### Engineering Design Services for Oil and Gas Industry

FASCO LLC understands the intricacies and challenges of the oil and gas industry. Our engineering design services cater to upstream, midstream, and downstream sectors, covering exploration and production facilities, refineries, petrochemical plants, pipelines, storage terminals, and more. We prioritize safety, reliability, and efficiency, ensuring compliance with industry standards and regulations while optimizing performance and minimizing environmental impact.

- We provide Engineering Design Work Packages for brownfield facilities and prepare detailed designs and documents for regulatory approvals.
- Provides comprehensive Engineering Deliverables, including design basis, criteria, and philosophy, process and instrumentation drawings, and piping/mechanical, civil, structural, electrical, and instrumentation drawings.
- We also offer highly accurate material take-off quantities and schedules, Bills of Materials, Quality Assurance/Quality Control programs, HAZID and HAZOP analyses, environmental studies, insulation, winterization, painting, and more.



## 3D Laser Scanning & Modelling

At FASCO LLC, we use 3D laser scanning to capture precise locations and distances for your project. Our LiDAR technology generates a detailed point cloud file, allowing us to create accurate 3D models. Each data point is converted to a pixel with a known x, y, and z coordinate, ensuring that every aspect of your project is accounted for. Trust us to bring precision and efficiency to your project with 3D laser scanning.

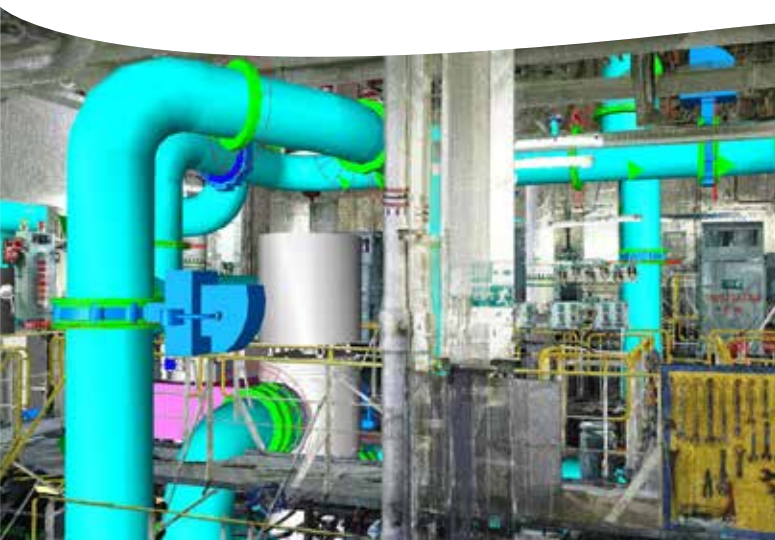
And we've been providing outstanding 3D laser scan results for clients since 2016:

- As-builts, reality capture, and existing conditions data
- Construction verification, sequencing, scheduling, and simulations
- Design engineering for facility upgrades or expansions.
- 2D and 3D laser map of a building or facilities include producing of P&ID Drawings
- Prefabrication
- Clash detection
- Architectural documentation or historical preservation
- Calculating volumes, deformation analysis, and overhead clearances
- Virtual design and construction
- Laser scanning for facility coordination
- Collecting geospatial data
- Creating a digital twin
- Performing advanced analysis to easily aggregate, query, visualize and analyze data in a single 3D model.

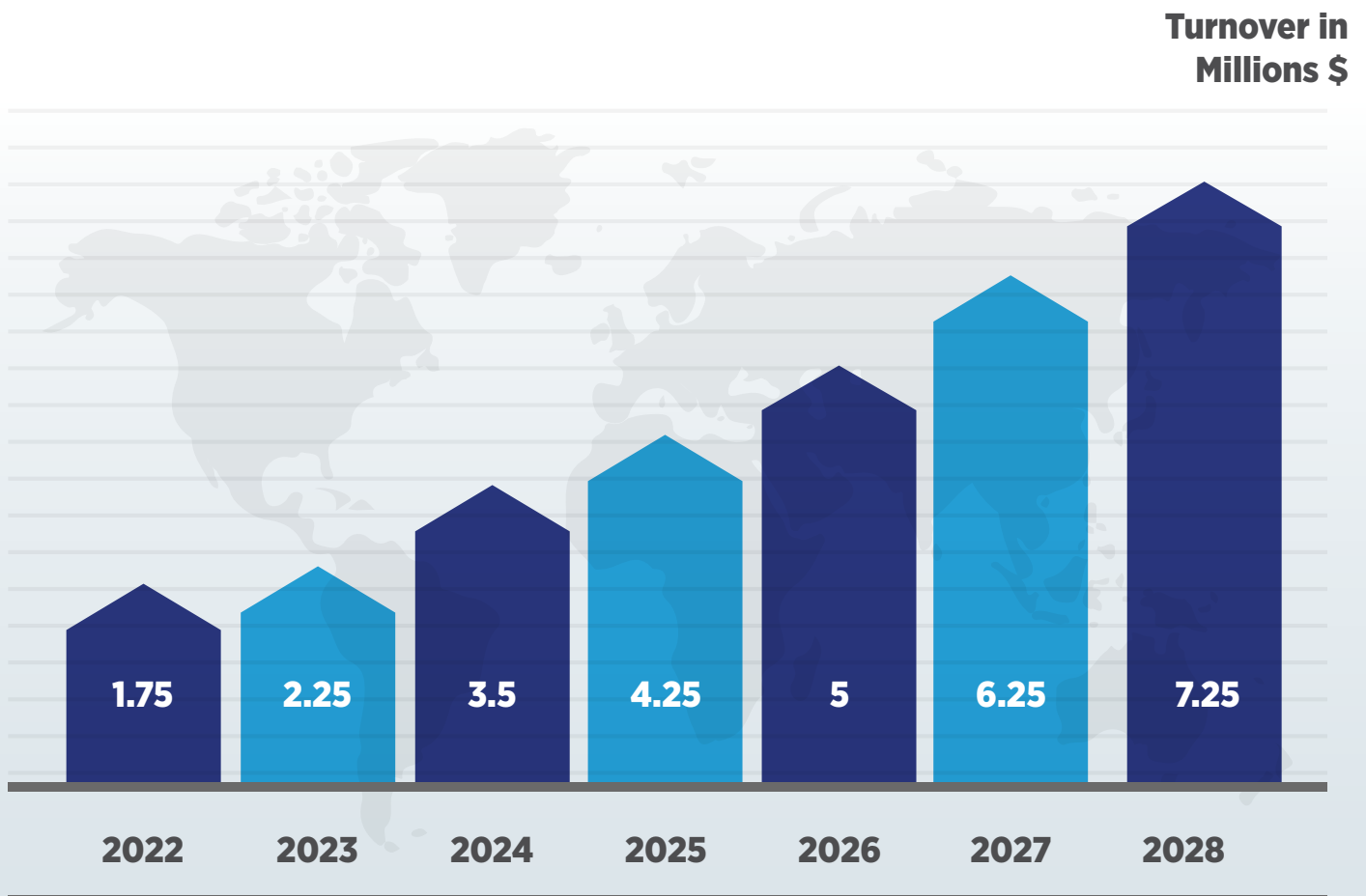
## Procurement and Sourcing

Experience a seamless procurement journey with FASCO LLC. We are a trusted procurement and project provider, catering to local and overseas companies. Our expertise lies in worldwide sourcing and supplying of materials, equipment, and spare parts. As official representatives accepted by the supply market, we adhere to the highest standards of quality, security, and environmental conviction. Let us handle your procurement needs, from quality control to guidance of suppliers, ensuring timely and reliable delivery.

- Compression Fittings
- Electrical Cable, and Cable Management
- Gaskets
- Instrumentation Equipment's and Materials
- Pipes, Flanges and Fittings
- Piping Bulk Packages
- Spare Parts
- Structural Steel
- Stud bolts and Fasteners
- Turnkey Control Systems
- Valves
- Pumps
- Flaring system
- Skids
- Ex Lighting



As a result of its commitment to engineering and construction excellence, **Fasco LLC** has experienced rapid growth in recent years. With its strong focus on customer **satisfaction**, quality **workmanship**, and **innovation**, the company has expanded its service offerings and increased its global presence. This growth has been driven by a team of highly skilled **professionals** and support staff who are dedicated to providing responsive, **cost-effective**, and practical solutions to clients. Fasco LLC's continued success is a testament to its ability to adapt to changing market conditions and to **consistently deliver high-quality services to its customers.**



At **Fasco LLC**, our business strategy revolves around providing high-quality services and products to our clients while maintaining a strong focus on sustainability and innovation. We believe in establishing long-term partnerships with our clients, and we strive to continuously improve and adapt to the ever-changing needs of the industry.

Our **procurement and supply chain** solutions are designed to ensure that our clients receive the highest quality products and services at competitive prices. We work closely with our suppliers to ensure that they meet our high standards for quality, safety, and environmental responsibility.

We also leverage cutting-edge technology, such as **3D laser scanning and modeling**, to provide our clients with the most accurate and efficient solutions possible. Our commitment to innovation has helped us stay ahead of the curve and maintain our position as a leader in the industry.

Ultimately, our business strategy is centred on delivering value to our clients while upholding the highest standards of quality and sustainability. We are committed to fostering long-term partnerships and delivering exceptional results for our clients.

Fasco's Strategy



Work ethics refer to the principles and values that guide an individual's behaviour in the workplace. At **Fasco LLC**, work ethics are a crucial component of our corporate culture, and we strive to uphold the highest standards of ethical behaviour in all our business dealings.

Some of the key principles that guide our work ethics include:



Overall, work ethics are an essential part of our business, and we believe that upholding these values is critical to our success as a company.



**FASCO LLC** is committed to providing responsive, innovative, and cost-effective solutions to meet our clients' needs. Our goal is to exceed our clients' expectations by delivering high-quality services and products that meet or exceed their requirements. We believe in building strong, long-lasting relationships with our clients based on trust, mutual respect, and transparency.

**Our philosophy** is centered on excellence, integrity, and accountability. We strive for excellence in everything we do, from our workmanship to our customer service. We operate with integrity, always doing the right thing even when it's not the easiest or most profitable option. We are accountable to our clients, our employees, and our community, taking responsibility for our actions and continuously seeking ways to improve and grow.

At **FASCO LLC**, we are dedicated to providing a safe and healthy work environment for our employees, respecting and valuing diversity, and contributing positively to the communities in which we operate. Our ultimate goal is to be recognized as a leader in the energy industry, delivering superior solutions that enhance the performance and profitability of our clients' operations.



## Customer satisfaction:

We prioritize the needs of our clients and aim to deliver quality services that meet their requirements and exceed their expectations.

## Integrity:

We conduct our business with honesty, transparency, and ethical behavior. We believe in fostering trust with our clients, employees, and partners.

## Teamwork:

We work collaboratively and effectively with our team, clients, and partners to achieve shared goals.

## Innovation:

We constantly strive to innovate and improve our services, technologies, and processes to stay ahead of the competition.

## Health and safety:

We prioritize the safety and well-being of our employees, clients, and partners by implementing strict health and safety policies and procedures.

## Environmental responsibility:

We are committed to minimizing our environmental impact and promoting sustainability through our business practices and operations.

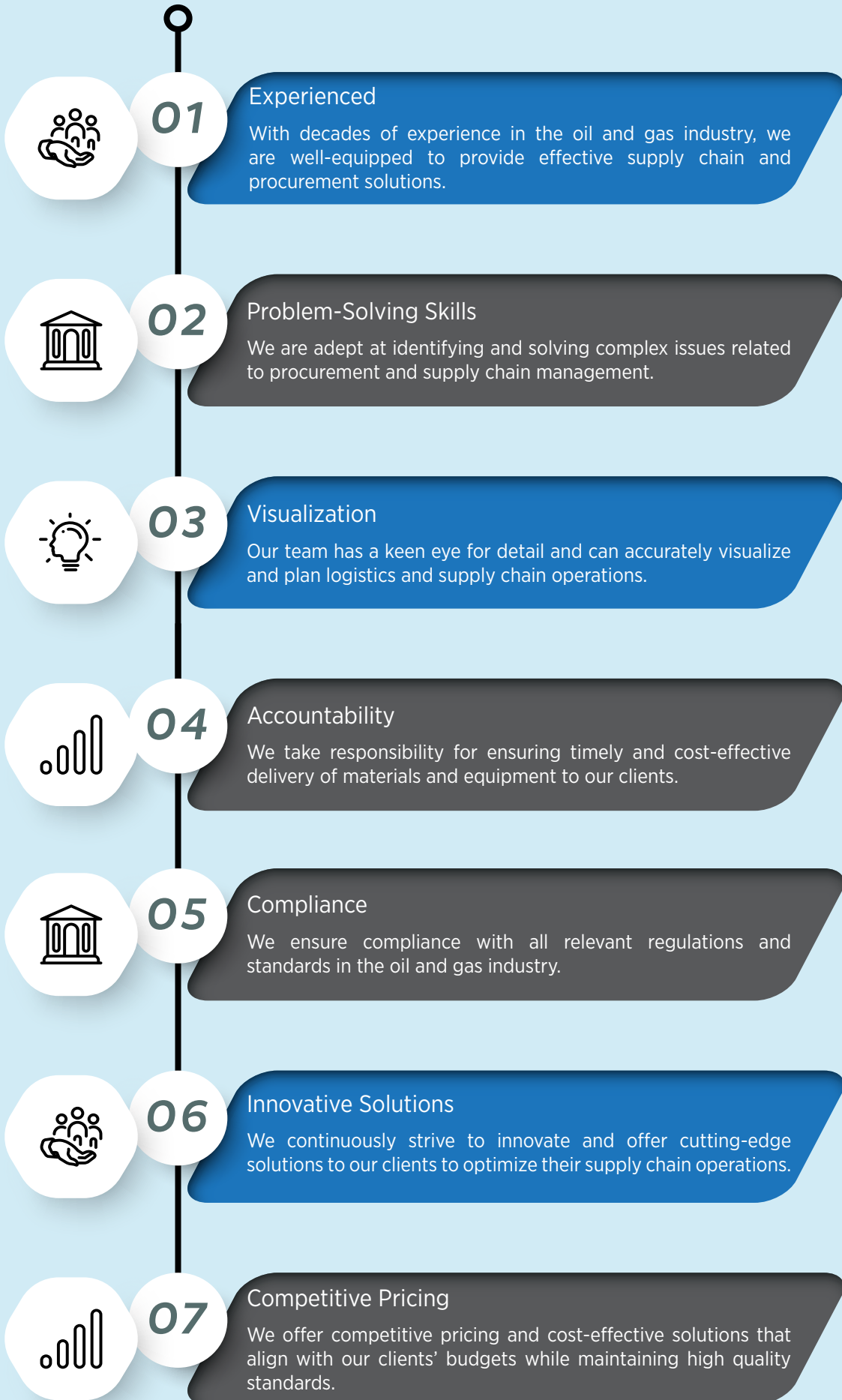
These principles guide us in every aspect of our business, from project execution to client communication, and help us maintain a high level of quality and integrity in everything we do.



**Fasco LLC** is committed to minimizing its impact on the environment and is fully compliant with all relevant environmental regulations.

The company is dedicated to sustainable development and continually seeks to reduce its **Carbon Footprint** through the implementation of energy-efficient practices and the adoption of renewable technologies.

**Fasco LLC** also engages in various **Corporate Social Responsibility (CSR)** activities to support the communities in which it operates, including education and training programs, health initiatives, and environmental protection efforts.



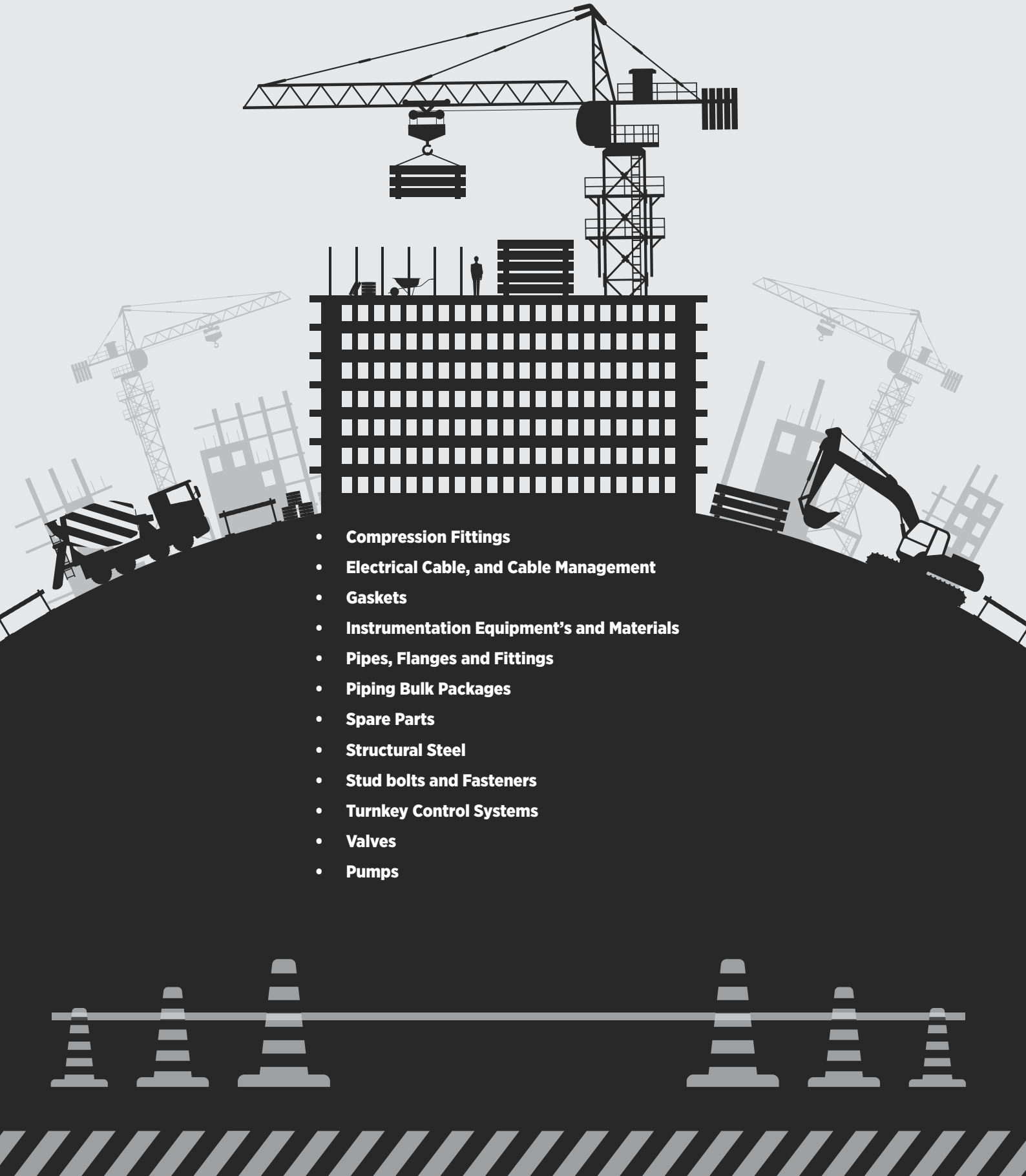
## Why Should I Choose Fasco?



When it comes to engineering work, **FASCO LLC** stands out as a reliable and comprehensive solution provider. With their multidisciplinary team, streamlined project management, customized solutions, commitment to quality, and proven track record of success, they offer a compelling value proposition. By choosing **FASCO LLC**, you can tap into a wealth of expertise and resources, enabling you to embark on your projects with confidence and achieve exceptional results.



Fasco LLC stands out as a global leader in the steel and material/equipment solution provider industry. Our unparalleled combination of products and services enables us to offer comprehensive end-to-end packages for construction projects, even in challenging business environments. With our exceptional capabilities and extensive experience, we provide a reliable and trustworthy solution for all your steel and material/equipment needs.



- **Compression Fittings**
- **Electrical Cable, and Cable Management**
- **Gaskets**
- **Instrumentation Equipment's and Materials**
- **Pipes, Flanges and Fittings**
- **Piping Bulk Packages**
- **Spare Parts**
- **Structural Steel**
- **Stud bolts and Fasteners**
- **Turnkey Control Systems**
- **Valves**
- **Pumps**

The scope of Engineering Design encompasses the process of creating and developing solutions for various engineering projects. It involves the application of scientific and mathematical principles to design, analyze, and optimize structures, systems, components, and processes.

Within the scope of Engineering Design, professionals work on a wide range of projects, such as civil infrastructure, mechanical devices, electrical systems, software applications, and industrial processes. Their responsibilities include:

## Conceptualization:

Engineers collaborate with clients, stakeholders, and other professionals to understand project requirements and goals. They brainstorm ideas, conduct feasibility studies, and develop conceptual designs.

## Detailed Design:

Engineers create detailed plans, drawings, and specifications that outline the technical aspects of the project. They consider factors such as functionality, safety, cost-effectiveness, and sustainability.

## Analysis and Simulation:

Engineers use computer-aided design (CAD) tools and simulation software to assess the performance, reliability, and behavior of the designed components or systems. This helps identify potential issues and optimize the design.

## Material Selection:

Engineers evaluate and select appropriate materials based on their properties, durability, and compatibility with the project requirements. They consider factors like strength, weight, corrosion resistance, and cost.

## Prototyping and Testing:

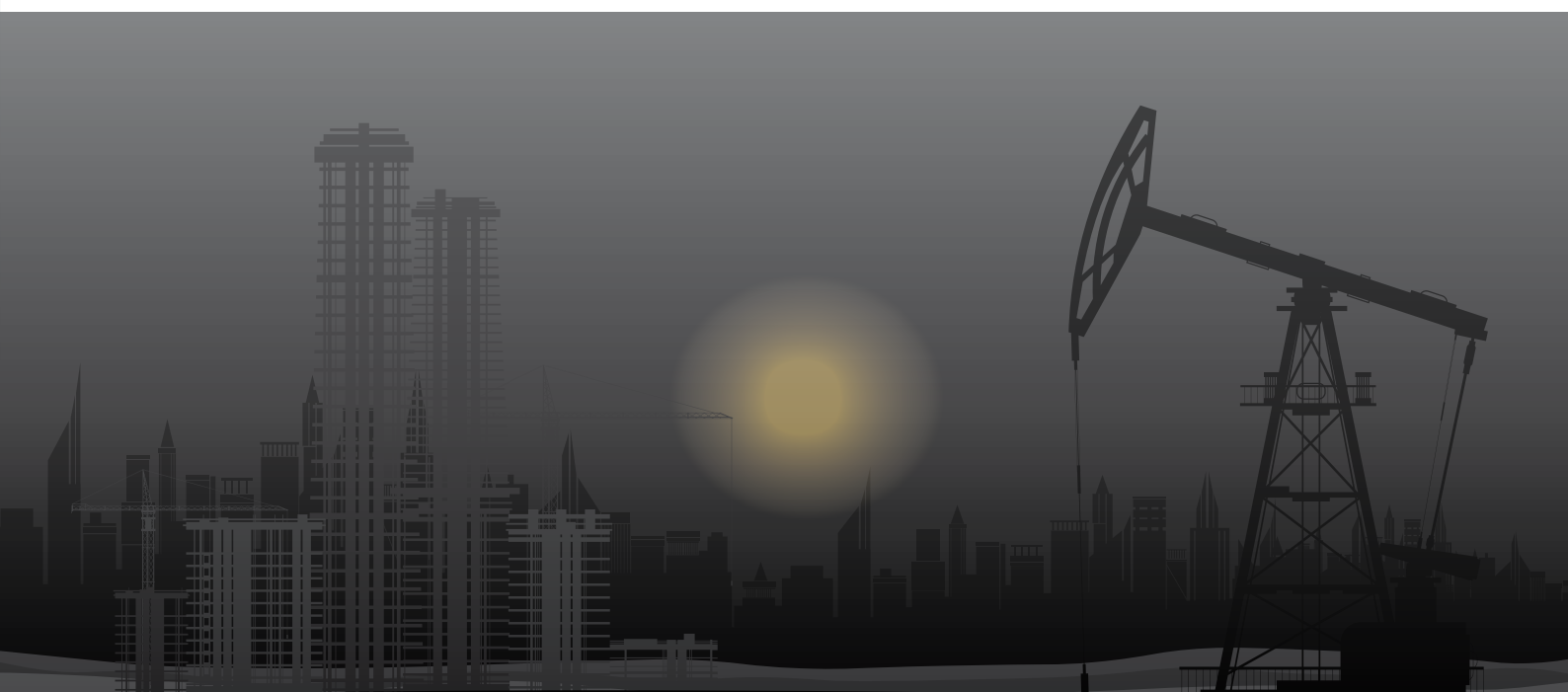
Engineers develop prototypes or models to validate the design and functionality. They conduct tests to measure performance, durability, and compliance with standards and regulations. Based on the results, they refine and iterate the design.

## Documentation:

Engineers prepare comprehensive documentation, including technical drawings, specifications, and reports, to communicate the design details to stakeholders, contractors, and manufacturers.

## Collaboration:

Engineers often work as part of multidisciplinary teams, collaborating with architects, construction professionals, manufacturers, and other specialists to ensure a holistic approach to the project.





## UAE, ABU DHABI

Client: AL-DAR

Embarked on a comprehensive \$350 million project to design a self-sustained residential community featuring over 800 luxury villas, multiple educational facilities, a central mosque, thoughtfully planned outdoor recreational areas, and beautiful water bodies. The community was designed for residents who desired a harmonious blend of modern amenities and natural surroundings.

Our Role: We executed an in-depth feasibility study, strategic business planning, visioning, master planning, conceptual design, infrastructure design, and preparation of tendering documents.

## 'Basrah, IRAQ

Client: Basra Gas Company

Unit-K11 and K12 Pumping Unit

Our Role: To do the required site survey by using the 3D Laser Scanning Machine and produce Fabrication and Connection Detailed drawings along with the Pipe Stress Analysis.



## Basrah, IRAQ

Client: Rumaila Operation Organization

3D Laser Scanning and Modelling Services

Taking the required Site Scanning and produce the point cloud to convert the model to LFM AVEVA product, for designer further processing.

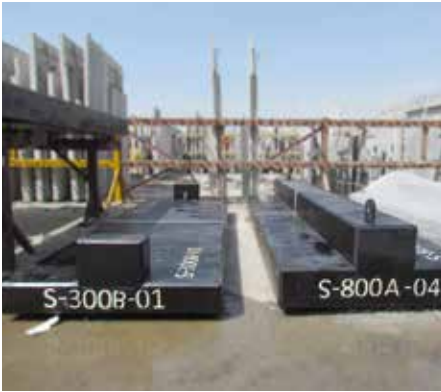
## Basrah, IRAQ

Client: Rumaila Operation Organization

Engineering and Detailing of HQ Phase 2 Electrical Connection, include route identification, preparation of single line diagram (SLD), cable size calculation, connection to substations detail drawings, and protection relay setting.







**UAE, ADU DHABI**

Client: Gpcc

Engineering and Detailing of the Zakum Oil Line Sleepers replacement

**UAE, ABU DHABI**

Client: GPCC

Unit-K11 and K12 Pumping Unit

Engineering and Detailing of Al Etihad Rail Way Bridge



**UAE, ABU DHABI**

Client: Exeed

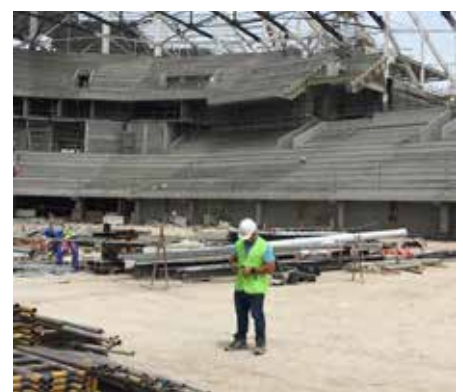
Engineering and Detailing for the Civil and Structure works of the Abu Dhabi Wastewater Treatment Plant

**UAE, ABU DHABI**

Client: Exeed

Preparation of Standard connection design & Drawings for all sections and type of Joints which will be used in the YASS ARENA Project.

Preparation of Tekla Model, Erection Drawings, detailed fabrication drawings, Connection design, Bill of Materials including Bolt List, 3D view of all unit combined (in appropriate scale) etc. complete for Steel Structures.





# Certificates of Achievements



# Client Partnerships





Serving to the countries of **middle-east**



**FASCO LLC FZ**

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