

MEMA
MEKANİK



DEAR VALUED CUSTOMERS

At Mema Mekanik Dizayn, our commitment to you is simple: to provide innovative, reliable, and high-quality services that meet the unique needs of your operations in the oil and gas sector. We understand the challenges you face in today's rapidly changing energy landscape. Whether it's ensuring operational efficiency, maximizing safety, or meeting increasingly stringent environmental standards, our team is dedicated to delivering solutions that help you succeed in these areas and more.

Our mission remains steadfast: to provide innovative, safe, and reliable services that not only meet the needs of today but also pave the way for a sustainable future. We are investing in cutting-edge technology, enhancing our operational efficiency, and prioritizing safety and environmental stewardship in everything we do.

For years, Mema Mekanik Dizayn has stood as a trusted partner for industry leaders, and our success is built on a foundation of excellence, expertise, and a deep understanding of the oil and gas industry. From advanced fabrication & installation services to precision engineering services, we've designed our offerings to help you achieve optimal performance while maintaining the highest standards of safety and environmental responsibility.

We believe that our success is tied to your success. That's why we focus on providing cutting-edge products and services that enhance your productivity, reduce downtime, and drive efficiency across your operations. By constantly innovating and listening to your needs, we ensure that our solutions are aligned with the challenges and opportunities you face.

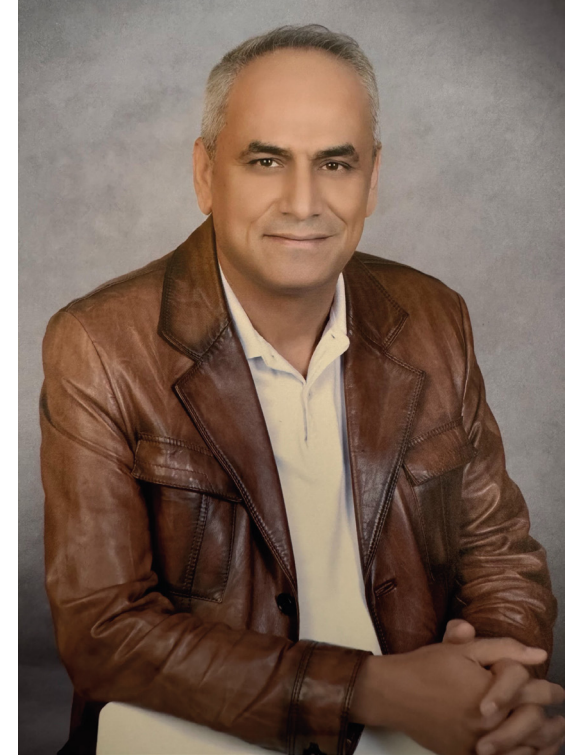
I would like to personally thank you for trusting us with your business. Whether you are a long-standing partner or exploring our offerings for the first time, we are committed to supporting your goals and delivering results you can rely on.

I invite you to explore this catalog and learn more about the products and services that Mema Mekanik Dizayn offers. Our team is ready to assist you in finding the right solutions for your specific needs.

Together, we can achieve great things.

Sincerely,

Yaşar Aydın
CEO





/ ABOUT US

Mema Mekanik Dizayn is a trusted provider of specialized mechanical services for the oil and gas industry. With decades of experience and a commitment to excellence, we deliver mechanical solutions that support the full lifecycle of oil and gas operations, from exploration and extraction to production and distribution.

OUR MISSION

At Mema Mekanik Dizayn, our mission is to provide top-tier mechanical services that enhance the operational efficiency, safety, and sustainability of oil and gas infrastructure. We partner with our clients to deliver tailored solutions, ensuring that their projects are completed on time, on budget, and to the highest standards.



WHAT WE OFFER



Our company specializes in providing a wide range of mechanical services essential for the oil and gas sector, including:

Mechanical Installation & Fabrication:

01

Precision installation and fabrication of mechanical components for oilfield equipment, pipelines, and production facilities.

Maintenance & Repair:

02

Comprehensive maintenance services, troubleshooting, and repair of critical mechanical systems to minimize downtime and optimize performance.

Rotating Equipment Services:

03

Expert repair, overhaul, and maintenance of rotating equipment such as pumps, compressors, and turbines to ensure continuous operation.

Welding & Piping Services:

04

Professional welding and piping solutions for pipelines, refineries, and processing plants, adhering to industry standards and safety regulations.

Pressure Testing & Commissioning:

05

Safe and accurate pressure testing services to ensure the reliability and integrity of mechanical systems before they go into operation.

WHY CHOOSE US?



OUR VALUES



EXCELLENCE IN SERVICE

We take pride in consistently delivering high-quality services that exceed our clients' expectations.



CLIENT-FOCUSED APPROACH

We believe in building strong, long-term relationships with our clients by offering tailored services that align with their business objectives.



SAFETY AS A PRIORITY

Safety is embedded in every aspect of our operations. From the planning phase to execution, we prioritize the health and safety of our workforce, clients, and stakeholders.



COMMITMENT TO INNOVATION

As the industry evolves, so do we. We stay ahead of the curve by continuously improving our processes and adopting advanced mechanical solutions that optimize performance.

OUR COMMITMENT TO SUSTAINABILITY

We recognize the importance of sustainability in the oil and gas sector. At Mema Mekanik Dizayn, we are committed to reducing the environmental impact of our services through energy-efficient technologies, waste reduction strategies, and environmentally responsible practices. By integrating sustainability into our mechanical services, we help our clients achieve their environmental goals while maintaining operational excellence.

Partner With Us

Whether you're looking for expert mechanical services for an upcoming project or ongoing maintenance support, Mema Mekanik Dizayn is ready to be your partner. Our deep industry experience, focus on safety, and commitment to innovation ensure that we can meet your needs and exceed your expectations.





INDUSTRIAL CONSTRUCTION WORKS

At Mema Mekanik Dizayn, we specialize in delivering high-quality industrial construction services for the oil and gas sector. With a deep understanding of the unique demands of the industry, our expert team provides mechanical construction solutions that are safe, reliable, and tailored to support complex oil and gas infrastructure.



OUR EXPERTISE

We bring years of experience in providing mechanical construction services across a wide range of industrial facilities in the oil and gas industry. Our scope of work includes new construction, upgrades, expansions, and the repair and maintenance of essential mechanical systems.



KEY SERVICES

Mechanical Installation & Fabrication



Customized Solutions:

We offer precision fabrication and installation of mechanical components, ensuring compatibility with your existing systems and alignment with project specifications.



Facility Types:

Refineries, pipelines, storage facilities, and processing plants.



Capabilities:

Structural steel fabrication works, structural steelwork, vessel fabrication and installation, skid-mounted systems, heat exchangers & boilers fabrication, repair and maintenance works, and mechanical equipment assembly.

Pipeline Construction



Welding & Piping Services:

Specialized welding, fitting, and pipework that meet industry regulations and environmental standards.



Quality Assurance:

We use advanced testing techniques, such as non-destructive testing (NDT), to verify the integrity and durability of pipelines.

Equipment Installation



Rotating Equipment:

Installation of critical rotating equipment, including pumps, turbines, and compressors, with an emphasis on precision alignment and performance optimization.



Static Equipment:

Expert installation of static equipment such as heat exchangers, pressure vessels, boilers, and reactors.



Tank and Vessel Construction



Storage Solutions:

From oil storage tanks to chemical containment vessels, we design and build tanks with a focus on safety, longevity, and regulatory compliance.



Maintenance & Repairs:

We also offer maintenance and repair services for storage tanks, ensuring they remain operational and meet safety standards over time.



Structural Steelworks



Construction & Erection:

We specialize in structural steel construction for industrial buildings, platforms, and support structures within oil and gas facilities.



Quality Fabrication:

Our in-house fabrication capabilities ensure that all components are manufactured to exacting standards and installed with precision.

Shutdowns & Turnarounds



Planned Shutdowns:

We offer complete mechanical services during planned facility shutdowns, ensuring that all upgrades, repairs, and maintenance tasks are completed efficiently and on schedule.



Minimizing Downtime:

Our project management approach focuses on minimizing operational downtime and enhancing the overall performance of your equipment post-turnaround.

WHY CHOOSE MEMA MEKANİK DIZAYN?

Safety-Driven Approach: Safety is embedded in all our construction processes. We strictly adhere to industry safety standards and environmental regulations, ensuring the protection of personnel, assets, and the surrounding environment.

Experienced Workforce: Our team consists of highly trained professionals, including certified welders, pipefitters, engineers, and project managers with extensive experience in industrial construction.

Project Management Excellence: We pride ourselves on effective project management, delivering projects on time and within budget. We handle everything from the initial design phase to final commissioning, ensuring smooth and efficient execution.

Innovation and Technology: We leverage the latest technologies and advanced construction techniques to enhance precision, reduce costs, and improve project outcomes.

OUR COMMITMENT TO QUALITY

At Mema Mekanik Dizayn, quality is the cornerstone of everything we do. From the materials we source to the services we provide, we are committed to delivering industrial construction solutions that exceed expectations and meet the highest quality standards. Every project undergoes stringent quality control checks to ensure it meets regulatory requirements and client specifications.

EMERGENCY REPAIR SERVICES

In the high-stakes environment of the oil and gas industry, unexpected equipment failures or system breakdowns can lead to costly downtime, operational disruptions, and safety hazards. At Mema Mekanik Dizayn, we ensure that your operations continue smoothly, minimizing downtime and mitigating risks.

With years of experience in the oil and gas sector, our emergency response team is equipped to handle urgent repair needs for critical infrastructure, mechanical systems, and equipment. Whether it's an unplanned shutdown, a pipeline leak, or a mechanical failure, we offer fast, efficient, and reliable solutions to get you back on track.



MECHANICAL EQUIPMENT REPAIRS

Rotating Equipment: Rotating equipment plays a vital role in the oil and gas industry, driving key processes such as production, refining, and transportation. Ensuring the optimal performance, reliability, and safety of this equipment is essential to maintain productivity and avoid costly downtime. At Mema Mekanik Dizayn, we specialize in the repair, maintenance, and overhaul of rotating equipment, offering comprehensive solutions tailored to the specific demands of the oil and gas sector.

OUR EXPERTISE

With extensive experience in maintaining and repairing rotating equipment, we understand the complexities involved in ensuring these critical assets run smoothly and efficiently. Our skilled technicians and engineers are certified to work on a wide range of rotating machinery, including:

1

Pumps

2

Compressors

3

Turbines

4

Fans

5

Blowers

6

Electric Motors

7

Gearboxes

8

Generators

“Whether it's routine maintenance, emergency repairs, or complete overhauls, Mema Mekanik Dizayn provides a full range of rotating equipment services that meet the highest industry standards.

KEY SERVICES



Preventive Maintenance Programs:

- Scheduled Inspections
- Vibration Analysis
- Lubrication Management



Condition Monitoring & Diagnostics:

- Refineries, pipelines, storage facilities, and processing plants.
- Thermography & Ultrasound Testing



Repair and Overhaul Services:

- Onsite Repairs
- Workshop Overhauls
- Parts Replacement

Emergency Repair Services

Equipment failures can happen at any time. Our dedicated emergency response team is available to provide immediate repair services, minimizing costly downtime. With fully-equipped mobile units and experienced field technicians, we can quickly reach your site to diagnose and repair issues, ensuring minimal disruption to your operations.

Emergency Repair Services

- Performance Enhancements:
- Energy Efficiency Upgrades:



BENEFITS OF REGULAR ROTATING EQUIPMENT MAINTENANCE



Increased Equipment Lifespan: Regular maintenance helps prevent premature wear and tear, extending the operational life of your rotating equipment.



Reduced Downtime: Preventive maintenance and real-time monitoring help identify potential problems before they lead to costly shutdowns.



Energy Efficiency: Well-maintained equipment runs more efficiently, reducing energy consumption and lowering operational costs.



Enhanced Safety: Routine checks and timely repairs minimize the risk of mechanical failures, ensuring a safer working environment for your staff.

VALVES & ACTUATORS

OUR EXPERTISE

With decades of experience servicing valves and actuators in the oil and gas industry, our team is well-versed in maintaining all types of valve systems, including:

- Control Valves
- Isolation Valves
- Pressure Relief Valves
- Ball, Gate, Globe, and Check Valves
- Butterfly Valves
- Solenoid Valves
- Actuators (Hydraulic, Pneumatic, and Electric)

Our tailored services help reduce equipment failure, increase operational efficiency, and ensure that your valves and actuators meet the highest industry standards for safety and performance.



KEY SERVICES

Preventive Maintenance



- Scheduled Maintenance Programs
 - Valve Inspection & Testing
 - Seal & Gasket Replacement
-

Valve Repair & Overhaul:



- Onsite Repair Services
 - In-House Overhauls
 - Pressure Relief Valve Certification
-

Actuator Repair & Maintenance



- Hydraulic & Pneumatic Actuators
- Electric Actuators
- Recalibration & Testing

Valve Automation & Retrofit Services



- Automation Upgrades
 - Retrofits
-

Emergency Repair Services



- Our emergency response team is available around the clock to address critical valve and actuator failures. Whether it's a major leak or a stuck valve, we provide immediate repairs to minimize downtime and ensure the safety of your facility.
 - Rapid Mobilization: Equipped with the latest tools and technologies, our team can quickly deploy to your site for troubleshooting and repairs, preventing production delays or potential environmental risks.
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Valve Testing



- Hydrostatic Testing
- Non-Destructive Testing (NDT)

BENEFITS OF REGULAR VALVE & ACTUATOR MAINTENANCE

Extended Equipment Life: Proactive maintenance helps prevent premature wear and damage, extending the life of your valves and actuators.

Reduced Operational Downtime: Early detection of issues through regular inspections and testing prevents unplanned shutdowns and keeps your facility running efficiently.

Improved Safety: Properly maintained valves and actuators help control pressure, flow, and safety mechanisms, minimizing the risk of leaks, explosions, or other hazards.

Cost Efficiency: Preventive maintenance reduces the need for costly emergency repairs and replacements, optimizing your maintenance budget and improving overall operational efficiency.



HEAT EXCHANGERS & BOILERS

OUR EXPERTISE

Heat exchangers and boilers are essential components in oil and gas operations, providing the necessary thermal management for refining, processing, and energy production. Ensuring the reliability and efficiency of these critical systems is vital to maintaining continuous operations, optimizing energy use, and meeting regulatory standards. At Mema Mekanik Dizayn, we offer specialized repair, maintenance, and overhaul services for heat exchangers and boilers, helping your equipment run efficiently while preventing unexpected breakdowns.



Heat exchangers and boilers in the oil and gas industry, we understand the complex thermal systems required for both upstream and downstream operations. Our highly trained technicians can service a wide variety of systems, including:

01 / Shell and Tube Heat Exchanger

02 / Plate Heat Exchangers

03 / Air-Cooled Heat Exchangers

04 / Waste Heat Recovery Units (WHRU)

05 / Fire-Tube and Water-Tube Boilers

06 / Reboilers and Condensers

07 / Boiler Economizers

“ Our services cover everything from regular inspections and cleaning to emergency repairs, retrofits, and performance optimization, ensuring that your systems operate at peak efficiency and safety.

KEY SERVICES

Preventive Maintenance Programs

- Scheduled Inspections & Cleaning
- Thermal Performance Monitoring
- Corrosion Protection & Mitigation

Heat Exchanger Repair & Overhaul

- Tube Bundle Replacement
- Plate Heat Exchanger Servicing
- Leak Detection & Repair

Boiler Repair & Maintenance

- Boiler Tube Repairs & Replacement
- Burner and Control System Optimization
- Refractory Repairs

Retubing & Reconditioning

- Heat Exchanger Retubing
- Boiler Reconditioning

Cleaning & Descaling Services

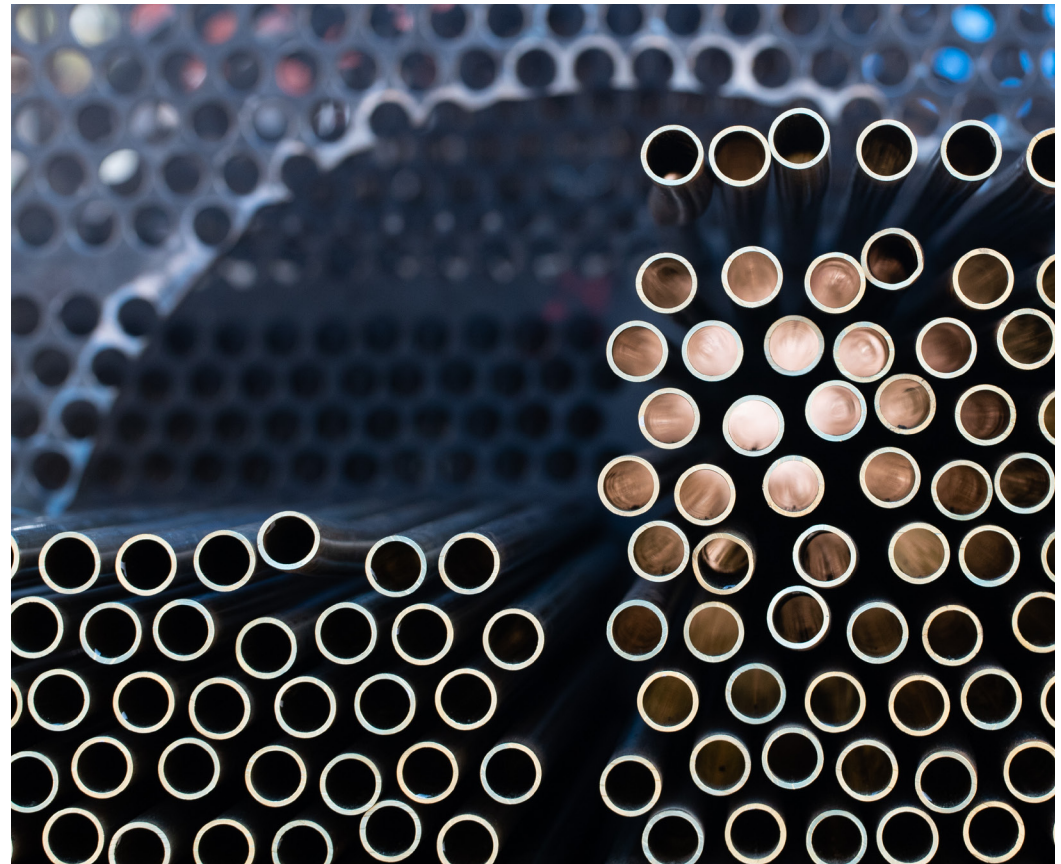
- Chemical Cleaning
- Hydroblasting
- Soot Blowing & Ash Removal

Performance Testing

- Thermal Efficiency Testing
- Pressure Testing & Hydrostatic Testing

Emergency Repair Services

- Emergency Response
- Mobile Field Service Units



HEAT EXCHANGER RETROFITTING & UPGRADES



As operational requirements evolve, Mema Mekanik Dizayn offers retrofit and upgrade services for your heat exchangers and boilers to meet increased capacity demands, improve energy efficiency, and enhance safety features.

- Energy Efficiency Upgrades
- Waste Heat Recovery Solutions

Benefits of Regular Heat Exchanger & Boiler Maintenance

Increased System Efficiency: Regular cleaning and maintenance improve heat transfer efficiency, resulting in lower energy consumption and reduced operational costs.

Extended Equipment Lifespan: Proper maintenance prevents corrosion, fouling, and wear, extending the lifespan of heat exchangers and boilers.

Reduced Downtime: Preventive maintenance helps identify potential issues early, preventing unexpected failures and unplanned downtime.

Compliance & Safety: Ensuring that heat exchangers and boilers are maintained and tested to meet industry standards enhances safety and regulatory compliance, reducing risks and liabilities.

In the oil and gas industry, pipelines are the lifeline for transporting crude oil, natural gas, and refined products over vast distances. Pipeline leaks pose significant environmental, safety, and financial risks, making rapid detection and repair critical to ensuring operational efficiency and regulatory compliance. At Mema Mekanik Dizayn, we provide comprehensive pipeline leak detection, repair, and maintenance services, helping you minimize downtime and prevent costly incidents.

PIPELINE LEAK REPAIRS

OUR EXPERTISE

Mema Mekanik Dizayn specializes in pipeline leak repairs, offering both emergency response and preventive maintenance solutions. We service a variety of pipeline systems, including:

- Crude Oil Pipelines
- Natural Gas Pipelines
- Refined Product Pipelines
- Onshore Pipelines

We employ advanced detection technologies, expert repair techniques, and a highly skilled team to address leaks quickly and efficiently, ensuring the integrity of your pipelines and compliance with environmental and safety standards.

KEY SERVICES

Pipeline Leak Detection

- Advanced Leak Detection Technology
- Non-Invasive Testing (NDT)

Pipeline Repair Techniques

- Clamp & Sleeve Repairs
- Welded Repairs
- Composite Wrap Repair
- Hot Tapping & Line Stopping

Emergency Leak Repair Services

- Emergency Response
- Rapid Mobilization
- Environmental Containment & Clean-Up

Pipeline Integrity Assessments

- Corrosion Assessment & Mitigation
- Hydrostatic Testing
- In-Line Inspection (ILI) Tools

Pipeline Maintenance Services

- Routine Inspections
- Cleaning & Pigging
- Valve and Fitting Inspections

STRUCTURAL REPAIRS

In the oil and gas industry, the integrity of structural systems is paramount to the safety, performance, and longevity of production facilities, platforms, and pipelines. Over time, environmental exposure, heavy loads, and operational wear can cause structural components to degrade, leading to safety risks and potential production halts. At Mema Mekanik Dizayn, we provide specialized structural repair and maintenance services designed to restore the strength, safety, and performance of your critical infrastructure.

OUR EXPERTISE

Our team has extensive experience in conducting structural repairs for both onshore and offshore oil and gas facilities. We understand the unique challenges posed by the industry's harsh environments, such as exposure to saltwater, extreme temperatures, heavy vibrations, and chemical exposure. Our services are tailored to meet the demanding needs of oil and gas structures, including:

- Refinery Structures
- Pipelines
- Storage Tanks
- Industrial Buildings

We combine advanced engineering techniques, high-performance materials, and a focus on safety and compliance to deliver long-lasting structural repairs that ensure the integrity of your assets.



Structural Inspections & Assessments

- Corrosion Assessment & Monitoring
- Non-Destructive Testing (NDT)
- Structural Integrity Analysis

Corrosion Repair & Mitigation

- Structural Steel Repair
- Coating & Protective Systems
- Reinforcement & Strengthening

Crack & Fracture Repairs

- Welding & Fabrication
- Structural Bonding & Composite Repairs

Concrete Structure Repairs

- Concrete Crack Injection
- Concrete Reinforcement & Rebar Replacement
- Surface Preparation & Resurfacing

Foundation & Support Structure Repairs

- Pile Restoration & Jacketing
- Grouting & Underpinning
- Re-leveling & Load Redistribution

Preventive Maintenance & Long-Term Care

- Regular Structural Inspections
- Maintenance Planning
- Documentation & Compliance

KEY SERVICES

BENEFITS OF STRUCTURAL REPAIR & MAINTENANCE

Increased Safety: Regular structural inspections and timely repairs help prevent catastrophic failures, ensuring the safety of personnel and equipment.

Extended Asset Life: Proper maintenance and repairs extend the lifespan of critical infrastructure, delaying the need for costly replacements.

Reduced Downtime: Early detection of structural issues and preventive maintenance minimize the risk of unexpected failures, reducing unplanned downtime.

Compliance & Risk Mitigation: Ensuring that your structures meet safety standards and regulations reduces your operational risk and potential liabilities.

TANK & VESSEL STRUCTURAL REPAIRS

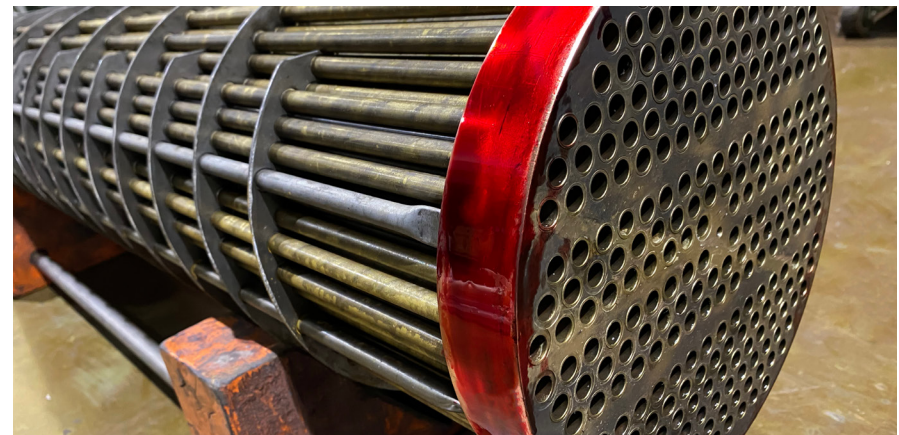
Tanks and pressure vessels are critical to the storage and handling of liquids and gases in the oil and gas industry. Over time, exposure to harsh chemicals, extreme temperatures, pressure, and environmental factors can degrade the structural integrity of these assets, leading to potential safety hazards, leaks, and operational disruptions. Mema Mekanik Dizayn provides specialized tank and vessel structural repair and maintenance services to ensure the safe and efficient operation of your assets.

OUR EXPERTISE

With a wealth of experience in the oil and gas sector, Mema Mekanik Dizayn is a trusted provider of tank and vessel repair services. We handle all types of repairs, from small-scale crack repairs to large structural restorations, ensuring that your storage systems meet regulatory standards and maintain optimal performance. Our services cover a wide range of tanks and vessels, including:

- 1 Shell and Tube Heat
- 2 Plate Heat Exchangers
- 3 Air-Cooled Heat
- 4 Shell and Tube Heat
- 5 Plate Heat Exchangers
- 6 Air-Cooled Heat
- 7 Shell and Tube Heat

“ Whether you're dealing with corrosion, mechanical damage, or structural wear, we use industry-leading techniques and materials to restore your tanks and vessels to full operational capacity.



KEY SERVICES



Tank Shell & Floor Repairs

- Corrosion Repair & Prevention
- Bottom Plate Replacement
- Welded Shell Reinforcement



Pressure Vessel Repairs

- Crack Detection & Repair
- Weld Repairs
- Nozzle Repairs & Replacement



Tank and Vessel Internal Coating & Lining

- Protective Coatings
- Corrosion-Resistant Lining
- Lining Repairs & Reapplication



Tank Roof Repairs

- Floating Roof & Fixed Roof Repairs
- Domed & Cone Roof Repairs



Leak Detection & Repair

- Non-Invasive Leak Detection
- Emergency Leak Repair Services



Structural Integrity Testing

- Hydrostatic Testing
- Non-Destructive Testing (NDT)
- Ultrasonic Thickness Testing



Tank & Vessel Relocation and Alteration

- Relocation Services
- Modification & Upgrades



PREVENTIVE MAINTENANCE PROGRAMS

“ Mema Mekanik Dizayn offers comprehensive preventive maintenance programs designed to extend the life of your tanks and vessels and reduce the need for emergency repairs. Our maintenance services include:

Regular Inspections: We conduct periodic inspections to assess the condition of your tanks and vessels, identifying early signs of corrosion, wear, or damage.

Tank Cleaning & Desludging: Routine cleaning and desludging of tanks help maintain the integrity of the internal structure and prevent contamination or blockages that can lead to damage.

Corrosion Monitoring: Through ongoing corrosion monitoring, we help clients stay ahead of potential structural issues, ensuring that tanks and vessels remain compliant with industry regulations.

BENEFITS OF TANK & VESSEL REPAIRS

Reduced Risk of Leaks: Timely repairs to tank shells, floors, and roofs help prevent leaks, minimizing environmental damage and financial losses.

Extended Asset Life: Regular maintenance and corrosion prevention strategies extend the life of your tanks and vessels, delaying the need for costly replacements.

Compliance with Regulations: Ensuring that your tanks and vessels are regularly inspected and repaired helps maintain compliance with safety and environmental regulations.

Improved Safety: Structural repairs reduce the risk of tank and vessel failures, protecting personnel and equipment from hazardous incidents.

ELECTRICAL & INSTRUMENTATION REPAIRS

In the oil and gas industry, reliable electrical and instrumentation systems are critical for safe and efficient operations. Equipment failures or malfunctions can lead to significant downtime, safety hazards, and operational inefficiencies. Mema Mekanik Dizayn offers comprehensive Electrical & Instrumentation (E&I) Repair and maintenance services tailored to meet the demanding needs of oil and gas facilities.

OUR EXPERTISE

With extensive experience in the oil and gas sector, Mema Mekanik Dizayn specializes in repairing, maintaining, and upgrading electrical and instrumentation systems across various applications, including:



Onshore Production Facilities



Refineries



Pipelines



Storage Terminals



Gas Processing Plants



Our skilled technicians are equipped to handle both high and low voltage systems, ensuring the reliability and safety of your operations.



KEY SERVICES



Electrical System Repairs

- Circuit Breaker and Switchgear Repair
- Motor and Generator Repairs
- Transformer Repairs



Instrumentation Repairs

- Flow, Pressure, and Level Instrument Repairs
- Calibration and Testing Services
- Control Valve Repair



Electrical Wiring and Cabling

- Cable Installation and Termination
- Cable Repairs and Splicing
- Conduit Installation and Repair



System Upgrades and Modifications

- Control System Upgrades
- Power Distribution System Modifications
- Emergency Lighting and Power Backup Systems



Preventive Maintenance Programs

- Routine Electrical Inspections
- Instrumentation Maintenance Programs
- Predictive Maintenance Technologies



Emergency Repair Services

- Emergency Response
- Rapid Diagnostics and Repair
- Temporary Power Solutions

BENEFITS OF ELECTRICAL & INSTRUMENTATION REPAIRS

Enhanced Safety: Regular repairs and maintenance ensure that electrical and instrumentation systems operate safely, reducing the risk of accidents and equipment failures.

Increased Efficiency: Well-maintained systems lead to improved operational efficiency, reducing energy consumption and maximizing productivity.

Cost Savings: Timely repairs and preventive maintenance reduce the likelihood of major failures, minimizing repair costs and production losses.

Compliance Assurance: Ensuring that your electrical and instrumentation systems meet industry standards helps avoid penalties and enhances your company's reputation.



SAFETY AND COMPLIANCE FOR REPAIR AND MAINTENANCE WORKS

In the oil and gas industry, ensuring the highest standards of safety and compliance is paramount. Mema Mekanik Dizayn is committed to maintaining a safe working environment while adhering to all relevant regulations and industry best practices. Our Safety and Compliance program is designed to protect our employees, clients, and the environment during all repair and maintenance activities.

OUR COMMITMENT TO SAFETY

At Mema Mekanik Dizayn, we recognize that safety is not just a priority—it is a core value that drives our operations. We implement rigorous safety protocols and procedures to prevent accidents, protect personnel, and ensure operational integrity. Our commitment includes:

Zero Tolerance Policy: We maintain a strict zero-tolerance policy for unsafe practices, ensuring that all employees adhere to established safety protocols.

Continuous Training: We provide ongoing safety training for all personnel, including new hires and existing staff, to keep them informed about the latest safety practices, emergency procedures, and regulatory changes.

Safety Culture: We foster a safety-first culture within our organization, encouraging open communication about safety concerns and empowering employees to take ownership of their safety and that of their colleagues.

KEY SAFETY PRACTICES

RISK ASSESSMENT AND MANAGEMENT

Hazard Identification:

Before commencing any repair or maintenance work, we conduct thorough risk assessments to identify potential hazards associated with the job.

Job Safety Analysis (JSA):

We perform JSAs for all tasks, detailing the steps involved, potential risks, and control measures required to mitigate those risks.

Permit-to-Work Systems:

Our robust permit-to-work system ensures that all maintenance and repair activities are authorized, properly planned, and executed safely.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

PPE Provision and Training:

We provide appropriate personal protective equipment to all personnel and offer training on its proper use to ensure safety in hazardous environments.

Regular Inspections:

We conduct regular inspections of PPE to ensure it meets safety standards and is in good working condition.

EMERGENCY PREPAREDNESS

Emergency Response Plans:

We develop comprehensive emergency response plans tailored to specific operations, ensuring readiness for potential incidents such as spills, fires, or equipment failures.

Drills and Simulations:

Regular emergency drills and simulations are conducted to test our response capabilities, ensuring that personnel are familiar with procedures and can act swiftly in emergencies.

INCIDENT REPORTING AND INVESTIGATION

Reporting Mechanism:

We encourage employees to report safety incidents, near misses, and unsafe conditions promptly. Our reporting system ensures confidentiality and protection against retaliation.

Root Cause Analysis:

Following any incident, we conduct thorough investigations to determine the root cause, allowing us to implement corrective actions and prevent recurrence.

HEALTH AND WELLNESS PROGRAMS

Employee Health Monitoring:

We prioritize employee health through regular health screenings, wellness programs, and mental health support, ensuring our workforce is fit for duty.

Work-Life Balance Initiatives:

We promote work-life balance through flexible scheduling and wellness initiatives, enhancing overall employee well-being.



COMPLIANCE WITH REGULATIONS

Mema Mekanik Dizayn strictly adheres to all applicable local, national, and international regulations governing safety and environmental practices in the oil and gas sector. Our compliance framework includes:

Regulatory Standards: We comply with industry standards such as OSHA, EPA, API, and ISO 45001 to ensure that all our operations meet or exceed regulatory requirements.

Regular Audits and Inspections: We conduct internal audits and third-party inspections to verify compliance with safety regulations and to identify areas for improvement.

Documentation and Reporting: We maintain comprehensive documentation of safety practices, incident reports, and compliance records to ensure transparency and accountability.

TRAINING AND CERTIFICATION

Safety Training Programs: We provide specialized safety training programs for our employees, focusing on the unique hazards associated with oil and gas operations, including working at heights, confined spaces, and hazardous materials handling.

Certification and Qualifications: Our team members hold relevant certifications in safety management, emergency response, and industry-specific training, ensuring they are equipped with the knowledge and skills needed to perform safely and effectively.

WHY CHOOSE US FOR REPAIR AND MAINTENANCE WORKS

In the highly demanding oil and gas sector, choosing the right service provider for repair and maintenance works is crucial to ensure safety, efficiency, and reliability. At Mema Mekanik Dizayn, we understand the complexities and challenges of the industry, and we are dedicated to delivering exceptional service tailored to your specific needs. Here are several compelling reasons to choose us as your trusted partner for repair and maintenance works.

INDUSTRY EXPERTISE

Extensive Experience: With years of experience in the oil and gas sector, our team has developed in-depth knowledge and expertise across various areas of repair and maintenance, including mechanical, electrical, instrumentation, and structural services.

Specialized Skills: Our technicians are highly trained and certified in the latest industry standards and best practices, enabling them to effectively handle complex repair and maintenance tasks.

COMPREHENSIVE SERVICES

Full-Service Offering: We provide a wide range of repair and maintenance services, including emergency repairs, preventive maintenance, shutdown support, and specialized services such as storage tank, valve and actuator repairs, pipeline maintenance, and more.

Custom Solutions: We recognize that every facility has unique requirements. Our team works closely with you to develop customized solutions that align with your operational goals and address your specific challenges.

COMMITMENT TO SAFETY

Safety First Approach: Safety is our top priority. We adhere to stringent safety protocols and regulatory compliance, ensuring that all repair and maintenance works are conducted in a safe and responsible manner.

Ongoing Training: Our employees undergo continuous safety training to stay updated on the latest safety practices and emergency response procedures, fostering a culture of safety throughout our organization.



QUALITY ASSURANCE

Rigorous Quality Control:

We implement robust quality control measures to ensure that all repairs and maintenance works meet the highest industry standards and client expectations.

Continuous Improvement:

We are committed to continuous improvement and regularly review our processes and procedures to enhance service delivery and operational efficiency.

RAPID RESPONSE CAPABILITIES

Rapid Availability:

We understand that emergencies can happen at any time. Our dedicated response teams are available around the clock to provide prompt support and minimize downtime during critical situations.

Quick Mobilization:

Our teams are equipped with the necessary tools and resources to mobilize quickly, ensuring that we can address your needs without delay.

PROVEN TRACK RECORD

Successful Projects:

We have successfully completed numerous projects in the oil and gas sector, earning a reputation for reliability, efficiency, and excellence. Our portfolio showcases our ability to deliver results in a variety of challenging environments.

Client Testimonials:

Our satisfied clients can attest to our commitment to quality service, responsiveness, and professionalism. We take pride in building long-term partnerships based on trust and mutual success.

INNOVATIVE SOLUTIONS

Advanced Technologies:

We leverage the latest technologies and industry advancements to enhance our repair and maintenance services, improving efficiency and reducing operational costs.

Predictive Maintenance:

Our use of predictive maintenance techniques helps identify potential issues before they escalate, minimizing unplanned downtime and extending the lifespan of your assets.

COST-EFFECTIVE SERVICES

Transparent Pricing:

We provide clear and transparent pricing for our services, ensuring there are no hidden costs. Our goal is to offer competitive rates without compromising on quality.

Value-Driven Approach:

Our focus on efficiency and effectiveness means you receive maximum value from our services, helping you achieve your operational and financial goals.

CLIENT-CENTRIC FOCUS

Responsive Communication:

We believe in maintaining open lines of communication with our clients throughout every project. Our team is always available to address your questions and concerns, ensuring a smooth and collaborative experience.

Dedicated Support:

Our project managers work closely with you to ensure that all your needs are met, providing personalized support and guidance at every stage of the repair and maintenance process.



STORAGE TANK CONSTRUCTION WORKS

At Mema Mekanik Dizayn, we specialize in providing high-quality storage tank construction services tailored specifically for the oil and gas industry. Our experienced team employs industry-leading practices and technologies to deliver safe, efficient, and durable storage solutions that meet the demanding requirements of our clients.

Overview of Our Services

Storage tanks are critical components in the oil and gas sector, used for the safe storage of liquids, including crude oil, refined products, and chemicals. Our comprehensive storage tank construction services encompass the entire lifecycle of tank construction, from design and engineering to fabrication and installation.

Key Services Offered





DESIGN AND ENGINEERING

At Mema Mekanik Dizayn, we offer comprehensive design and engineering services for storage tank construction tailored to meet the unique demands of the oil and gas industry. Our expert team leverages advanced technologies and industry best practices to deliver innovative and compliant tank designs that ensure safety, efficiency, and longevity.

OVERVIEW OF OUR DESIGN AND ENGINEERING SERVICES

Storage tanks play a critical role in the oil and gas sector, requiring meticulous planning and engineering to ensure they meet operational and safety standards. Our design and engineering services encompass the full scope of tank construction, from initial concept development to final engineering design, providing clients with tailored solutions that align with their specific requirements.

KEY DESIGN AND ENGINEERING SERVICES



Conceptual Design

- Initial Assessment
- Preliminary Design Options
- Cost Estimation



Detailed Engineering Design

- Structural Design
- Mechanical Design
- Thermal and Fluid Dynamics Analysis



Compliance with Industry Standards

- Regulatory Compliance
- Environmental Considerations



3D Modeling and Visualization

- Advanced Software Tools
- Design Reviews



Engineering Documentation

- Comprehensive Drawings
- Technical Specifications
- Construction Procedures



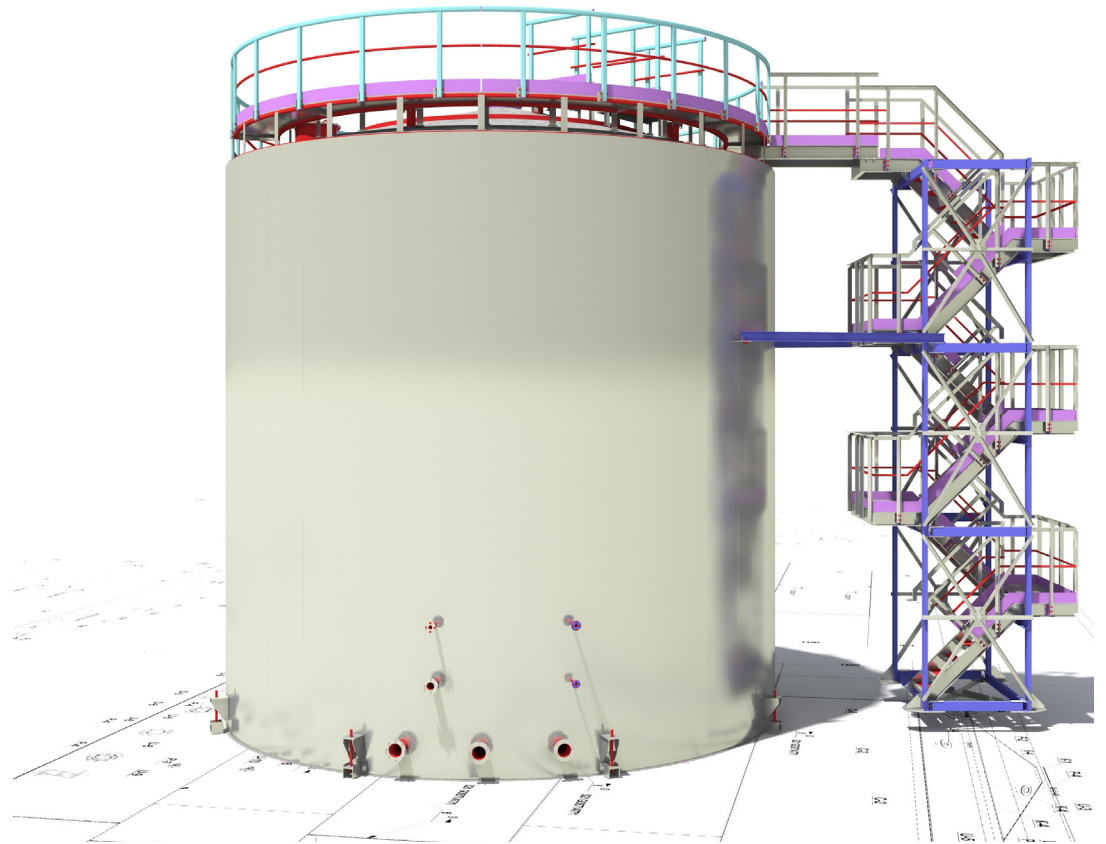
Project Management and Coordination

- Interdisciplinary Coordination
- Timeline Management
- Change Management



Post-Design Support

- Construction Oversight
- As-Built Documentation



FABRICATION

At Mema Mekanik Dizayn, we specialize in high-quality fabrication services for storage tank construction, tailored specifically for the oil and gas industry. Our state-of-the-art facilities and experienced workforce ensure that every tank we fabricate meets the stringent safety, quality, and regulatory standards essential for successful operations.

Overview of Our Fabrication Services

Fabrication is a critical component of storage tank construction, directly impacting the performance, safety, and longevity of the tanks. Our fabrication services encompass a wide range of activities, from the initial preparation of materials to the final assembly of the storage tanks, ensuring precision and durability in every project.



KEY FABRICATION SERVICES OFFERED



Material Selection and Preparation

- Quality Materials
- Material Testing



Custom Fabrication

- Tailored Designs
- Advanced Techniques



Welding and Assembly

- Certified Welding Procedures
- Robust Assembly Processes



Surface Treatment and Coating

- Surface Preparation
- Corrosion Protection



Quality Assurance and Control

- Rigorous Inspections
- Documentation



Logistics and Delivery

- Efficient Logistics
- Modular Fabrication



Post-Fabrication Support

- Technical Assistance
- Modification Services



INSTALLATION

At Mema Mekanik Dizayn, we provide comprehensive installation services for storage tank construction, tailored specifically for the oil and gas industry. Our expert team is committed to delivering safe, efficient, and high-quality installation solutions, ensuring that every storage tank meets the operational requirements and regulatory standards of our clients.

Overview of Our Installation Services

The installation of storage tanks is a critical phase in the construction process that requires meticulous planning and execution. Our installation services encompass all aspects of tank assembly, from site preparation to final inspection, ensuring that each tank is installed safely and effectively.



KEY INSTALLATION SERVICES OFFERED



Site Preparation

- Site Assessment
- Foundation Construction



Transportation and Handling

- Logistics Coordination
- Safe Handling Procedures



Tank Assembly and Installation

- Expert Installation Team
- Welding and Connections
- Piping and Fitting Integration



Quality Control and Inspection

- Rigorous Quality Inspections
- Testing Procedures



Environmental Considerations

- Erosion Control
- Spill Containment Measures



Post-Installation Support

- Training and Guidance
- Ongoing Maintenance Services



Emergency Response Services

- Rapid Response Team
- Post-Installation Incident Support



COMMISSIONING AND HANDOVER WORKS FOR STORAGE TANK CONSTRUCTION

At Mema Mekanik Dizayn, we provide comprehensive commissioning and handover services for storage tank construction, ensuring that every tank is fully operational and meets the highest standards of safety and performance. Our dedicated team is committed to delivering a seamless transition from construction to operational readiness, empowering our clients with confidence in their new storage facilities.

Overview of Our Commissioning and Handover Services

The commissioning and handover phase is critical in the storage tank construction process, encompassing a series of tests, inspections, and training to ensure the tanks are ready for operation. Our services ensure that each storage tank is thoroughly evaluated and meets all operational, safety, and regulatory requirements before it is handed over to the client.





Pre-Commissioning Activities

- Documentation Review
- System Checks



Commissioning Testing

- Hydrostatic Testing
- Operational Testing
- Safety System Testing



Final Inspection

- Quality Assurance Checks
- Punch List Completion



Training and Documentation

- Operational Training
- Handover Documentation



Handover Process

- Formal Handover Meeting
- Client Acceptance



Post-Commissioning Support

- **Initial Support Period:**

We offer an initial support period following the handover, during which our team is available to assist with any operational questions or challenges that may arise as the client begins using the tanks.

- **Ongoing Maintenance Services:**

We provide options for ongoing maintenance and inspection services to ensure the continued performance and safety of the storage tanks throughout their operational lifespan.

KEY COMMISSIONING AND HANDOVER SERVICES OFFERED



WHY CHOOSE US FOR STORAGE TANK CONSTRUCTION WORKS

At Mema Mekanik Dizayn, we understand that the construction of storage tanks is a critical investment for the oil and gas industry. With our extensive experience, commitment to quality, and focus on safety, we are your trusted partner for all storage tank construction needs. Below are the key reasons why you should choose us:

INDUSTRY EXPERTISE

Proven Track Record:

With over of experience in the oil and gas sector, we have successfully completed numerous storage tank projects, demonstrating our ability to deliver high-quality results.

Specialized Knowledge:

Our team consists of industry experts, including engineers, project managers, and skilled laborers, who possess in-depth knowledge of storage tank design, construction, and regulatory compliance.



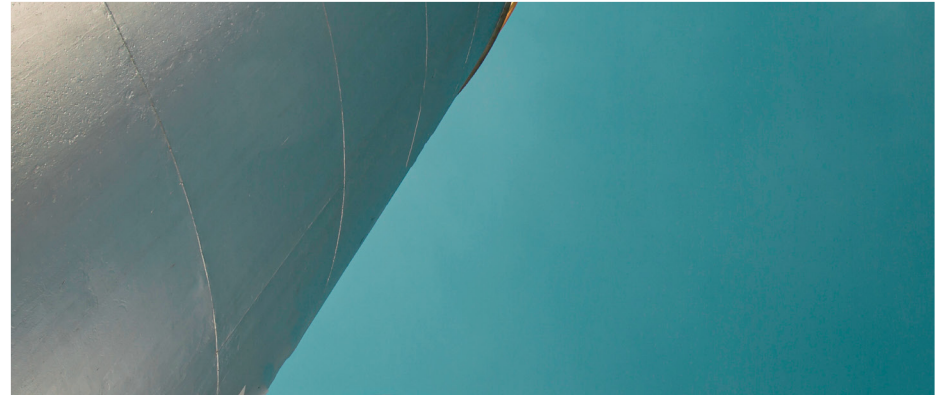
Comprehensive Services

End-to-End Solutions:

We offer a full suite of services, including design, fabrication, installation, commissioning, and maintenance of storage tanks, ensuring a seamless project experience from start to finish.

Customization:

We understand that each project is unique. Our team works closely with clients to tailor our services to meet specific requirements, ensuring optimal functionality and safety.



Commitment to Quality

High Standards:

We adhere to strict quality control measures at every stage of construction, utilizing the latest technologies and techniques to ensure that our storage tanks meet or exceed industry standards.

Material Integrity:

We source high-quality materials that are rigorously tested to ensure durability, reliability, and compliance with all applicable regulations.





Safety First Approach

Safety Culture:

Our commitment to safety is at the core of our operations. We implement comprehensive safety protocols and training programs to protect our workforce, clients, and the environment.

Regulatory Compliance:

We ensure that all construction activities comply with local, state, and federal regulations, including OSHA standards and API specifications, minimizing risks associated with storage tank operations.

Innovative Technology

Advanced Solutions:

We leverage state-of-the-art technologies and engineering practices to optimize design, enhance efficiency, and improve the overall performance of our storage tanks.

Continuous Improvement:

Our team stays updated on the latest industry trends and technological advancements, allowing us to incorporate innovative solutions into our projects.

Reliable Project Management

On-Time Delivery:

We pride ourselves on our ability to deliver projects on time and within budget. Our effective project management practices ensure that timelines are met without compromising quality.

Transparent Communication:

We maintain open lines of communication with our clients throughout the construction process, providing regular updates and addressing any concerns promptly.

Post-Construction Support

Ongoing Maintenance:

Our commitment to our clients extends beyond construction. We offer ongoing maintenance and inspection services to ensure the longevity and efficiency of storage tanks throughout their operational life.

Training and Support:

We provide comprehensive training for client personnel on safe and effective tank operations, ensuring a smooth transition to operational readiness.





Competitive Pricing

Cost-Effective Solutions:

We offer competitive pricing without compromising on quality, providing our clients with the best value for their investment in storage tank construction.



Transparent Pricing Structure:

Our pricing is clear and transparent, with no hidden costs, ensuring that clients understand their financial commitments upfront.



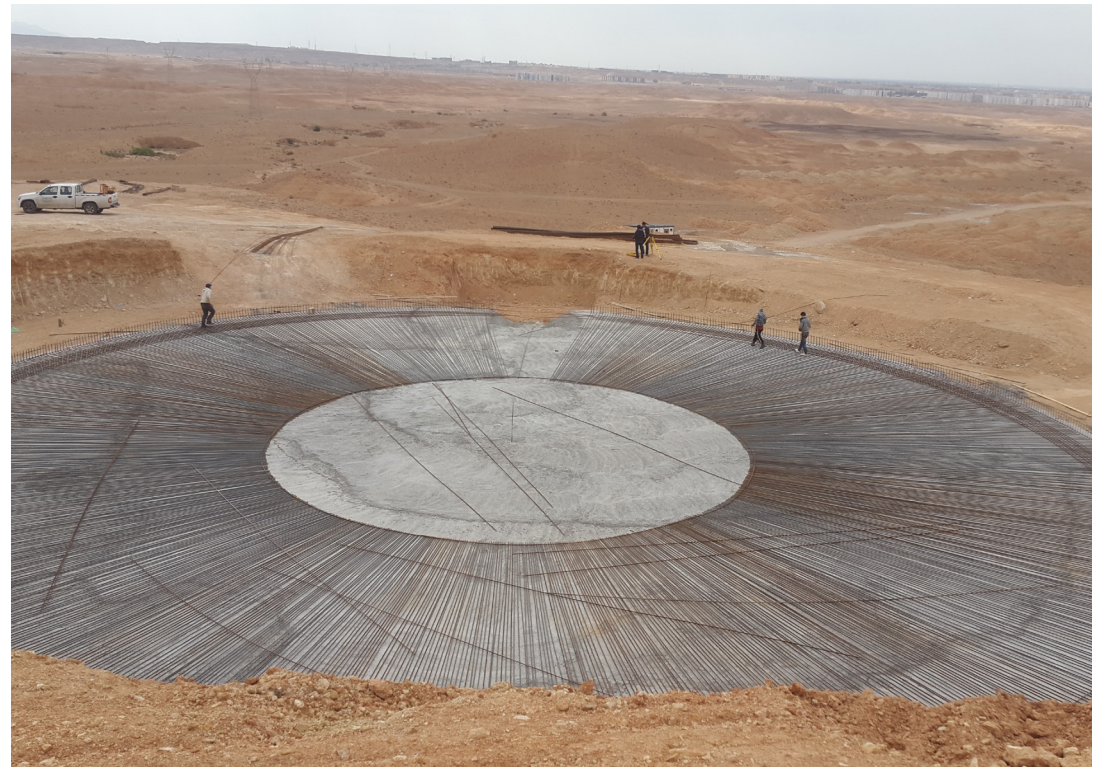
CIVIL AND STRUCTURAL ENGINEERING

At Mema Mekanik Dizayn

Our Civil and Constructional Engineering Design services are essential to the successful execution of oil and gas projects. With a focus on safety, efficiency, and sustainability, our skilled team of civil engineers and construction professionals is dedicated to delivering innovative design solutions that meet the unique challenges of the oil and gas industry.

Overview of Civil and Constructional Engineering Design Services

Civil and constructional engineering design involves the planning, design, and management of infrastructure projects and facilities within the oil and gas sector. Our comprehensive services ensure that all civil and construction aspects of a project are executed to the highest standards, promoting safety, functionality, and environmental sustainability.



KEY COMPONENTS OF OUR CIVIL AND CONSTRUCTIONAL **ENGINEERING DESIGN SERVICES**

Site Investigation and Analysis



- Geotechnical Surveys
- Environmental Assessments

Civil Design and Planning



- Site Layout Design
- Road and Access Design

Structural Engineering Design



- Structural Analysis and Design
- Foundation Design

Construction Management and Oversight



- Project Scheduling
- Construction Supervision

Regulatory Compliance and Permitting



- Compliance Assessments
- Permit Application Support

Quality Assurance and Control



- Quality Management Plans
- Inspections and Testing:
- Sustainability and Environmental Considerations
- Sustainable Design Practices
- Waste Management Plans



BENEFITS OF OUR CIVIL AND CONSTRUCTIONAL ENGINEERING DESIGN SERVICES

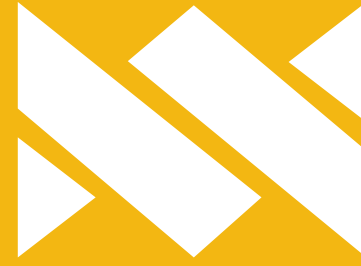
Enhanced Safety: Our commitment to safety and regulatory compliance ensures that all designs prioritize the well-being of personnel and the environment.

Optimized Project Delivery: By focusing on efficient planning and construction management, we help clients achieve their project goals on time and within budget.

Increased Reliability: Our rigorous quality assurance processes and attention to detail enhance the reliability and durability of civil and construction projects.

Customized Solutions: We provide tailored civil and constructional engineering design services that align with the specific needs and goals of each client, ensuring project relevance and success.

Electrical and Instrumentation Engineering: We offer comprehensive electrical and instrumentation design services, including control systems, power distribution, and safety instrumentation systems.



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STRONG FOUNDATIONS RELIABLE SOLUTIONS

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