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**GEOMAT**  
HYDRAULICS & METAL WORKS



# Engineering Solutions

Precision Manufacturing | Hydraulic Systems | Industrial Fabrication

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[www.geomatme.com](http://www.geomatme.com)

# About GEOMAT

GEOMAT Hydraulics & Metal Works is a premier engineering solutions provider based in Abu Dhabi, UAE. With decades of combined expertise in hydraulic engineering, precision manufacturing, and industrial fabrication, we deliver world-class solutions to clients across the globe.

Our commitment to engineering excellence, quality craftsmanship, and customer satisfaction has established GEOMAT as a trusted partner for industries ranging from mining and mineral exploration to oil & gas and infrastructure development.



## Our Vision

To be the leading engineering solutions provider in the region, recognized for innovation, precision, and reliability in every project we undertake.

## Our Mission

To deliver engineered solutions of the highest quality through advanced manufacturing capabilities, skilled expertise, and an unwavering commitment to exceeding client expectations.

**10+**

Years Experience

**500+**

Projects Delivered

**40+**

Employees

**100%**

Client Satisfaction

# Engineering Capabilities

GEOMAT delivers comprehensive engineering solutions from concept to completion, combining advanced design capabilities with precision manufacturing expertise.

## Custom Engineering

Bespoke engineering solutions tailored to specific project requirements and operational conditions.

## Design & Development

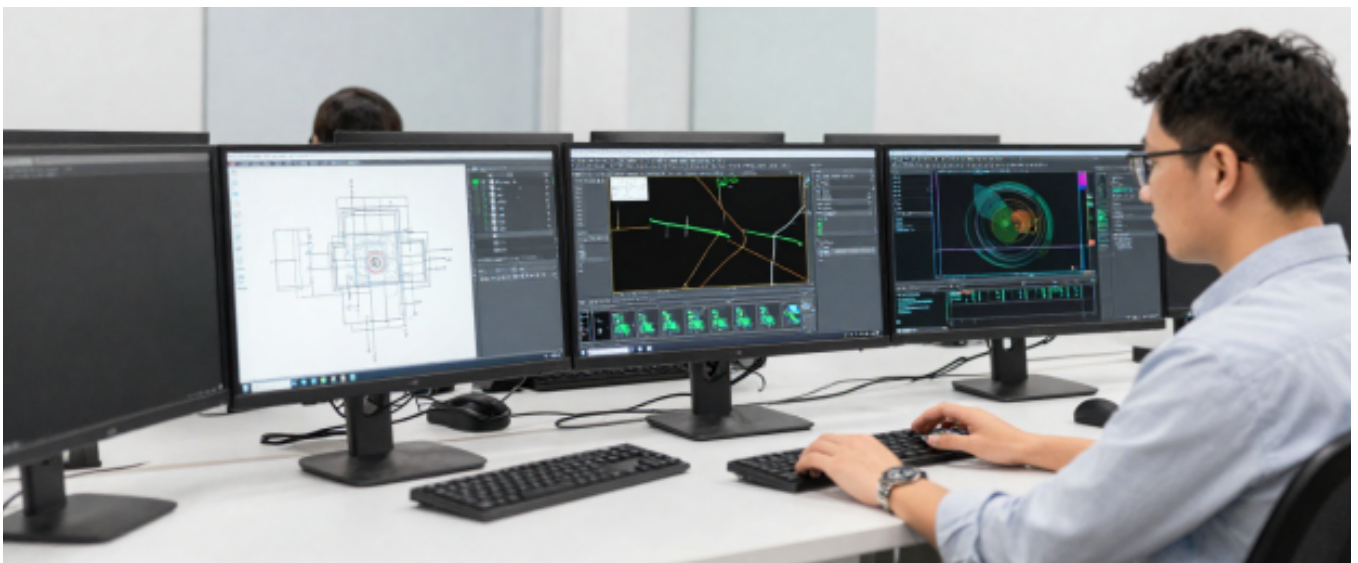
Advanced CAD/CAM design, prototyping, and engineering analysis for optimal performance.

## Precision Manufacturing

State-of-the-art CNC machining, fabrication, and assembly with tight tolerances.

## Technical Consultation

Expert engineering consultation from concept development through to project delivery.



# Hydraulic Engineering Solutions

Complete hydraulic system design, manufacturing, and integration for demanding industrial applications worldwide.



## Hydraulic Power Packs

Custom-designed power units for industrial and mobile applications.

## Hydraulic Cylinders

Precision-manufactured cylinders for high-pressure operations.

## Pumps & Motors

High-performance hydraulic pumps and motors for demanding environments.

## Valves & Controls

Advanced valve systems and electronic control integration.

## Custom Systems

Complete bespoke hydraulic system design and manufacturing.

# Drilling Equipment Engineering

Comprehensive drilling solutions engineered for mineral exploration, geotechnical investigation, and resource extraction operations worldwide.



## Drill Rigs

Custom-engineered drill rigs for diamond core, RC, and rotary applications.

## Wireline Systems

Advanced wireline coring systems for efficient sample retrieval.

## Diamond Tools

Premium diamond-impregnated bits and reaming shells for all formations.

## DTH & RC Solutions

Down-the-hole and reverse circulation drilling equipment.

## Rotary Drilling

Heavy-duty rotary drilling systems for deep hole applications.

# Industrial Fabrication

World-class fabrication capabilities delivering structural steel, pressure vessels, and custom industrial components to international standards.



## Structural Steel

Heavy structural steel fabrication for industrial and commercial projects.

## Pressure Vessels

ASME-coded pressure vessels engineered for critical applications.

## Storage Tanks

Custom-designed storage tanks for petrochemical and industrial use.

## Offshore Baskets

DNV-certified offshore cargo carrying units and baskets.

## DNV Containers

Certified containers meeting international offshore standards.

## Custom Fabrication

Bespoke metal fabrication solutions for unique project requirements.

# Manufacturing Facilities

State-of-the-art manufacturing facilities equipped with advanced CNC machinery, precision welding stations, and comprehensive quality inspection systems.



## CNC Machining

Multi-axis CNC turning, milling, and boring for precision components.

## Welding & Joining

Certified welding processes including TIG, MIG, and submerged arc welding.

## Assembly & Integration

Complete system assembly, hydraulic integration, and functional testing.

## Surface Treatment

Shot blasting, painting, powder coating, and corrosion protection.

## Quality Inspection

CMM measurement, NDT testing, pressure testing, and dimensional verification.

# Environmental Engineering Solutions

Innovative environmental engineering solutions for soil stabilization, erosion control, groundwater monitoring, and site remediation across diverse project environments.



## Soil Stabilization

Advanced ground improvement and stabilization techniques for construction and infrastructure.

## Erosion Control

Engineered erosion protection systems for coastal, riverbank, and slope applications.

## Groundwater Monitoring

Precision monitoring well installation and groundwater sampling systems.

## Remediation Systems

Complete site remediation solutions for contaminated land and groundwater.

# Industries We Serve

GEOMAT delivers precision-engineered solutions across a diverse range of industries, supporting critical operations worldwide.

## Mining

Underground and surface mining equipment and systems.

## Mineral Exploration

Diamond core drilling and sampling solutions.

## Geotechnical

Site investigation and ground engineering.

## Water Well

Drilling systems for water resource development.

## Construction

Heavy equipment for building and civil works.

## Infrastructure

Engineering for roads, bridges, and utilities.

## Oil & Gas

Upstream equipment and offshore solutions.

## Industrial Manufacturing

Precision components and systems.

# Our Engineering Process

A systematic approach from initial consultation through to installation and ongoing support, ensuring precision at every stage.

01

## Consultation

Understanding project requirements, site conditions, and performance specifications.

02

## Design

Detailed engineering design using advanced CAD/CAM and simulation tools.

03

## Manufacturing

Precision manufacturing in our state-of-the-art facilities.

04

## Testing

Rigorous quality testing and performance verification.

05

## Delivery

Secure packaging and logistics management worldwide.

06

## Installation

On-site installation support and commissioning.

07

## After-Sales

Ongoing technical support, maintenance, and spare parts supply.

# Quality Assurance

Uncompromising quality standards backed by rigorous testing, international certifications, and precision engineering at every stage of production.



## Precision Engineering

Tolerances to 0.01mm with advanced CNC and measurement systems.

## Quality Control

Multi-stage inspection from raw material to finished product.

## Testing Procedures

Pressure testing, NDT, dimensional verification, and load testing.

## International Standards

ISO 9001, ASME, DNV, and API certified manufacturing.

# Why Choose GEOMAT

Six compelling reasons why leading companies worldwide trust GEOMAT for their critical engineering requirements.

## Engineering Expertise

Decades of specialized engineering knowledge across hydraulic, mechanical, and structural disciplines.

## Premium Quality

International manufacturing standards with rigorous quality control at every production stage.

## Custom Solutions

Bespoke engineering designed and manufactured to your exact specifications and requirements.

## Reliable Delivery

On-time project delivery backed by efficient manufacturing and logistics management.

## Technical Support

Dedicated engineering team providing ongoing consultation, maintenance, and field support.

## Customer Commitment

Long-term partnerships built on trust, transparency, and consistent performance delivery.

# Project Highlights

Engineering solutions delivered across diverse industries, demonstrating our capability to handle complex, large-scale projects worldwide.



## Mining Hydraulic Systems

Custom hydraulic power packs for underground mining operations in Western Australia.

## Offshore Fabrication

DNV-certified cargo carrying units delivered for North Sea offshore operations.

## Geotechnical Drilling

Complete wireline drilling systems for mineral exploration across Africa.

## Industrial Manufacturing

CNC-machined precision components for oil and gas processing facilities.

# Technical Support & After-Sales Services

Comprehensive after-sales support ensuring maximum uptime, operational efficiency, and long-term equipment performance across all installations.



## Spare Parts Supply

Genuine replacement parts with global logistics and rapid delivery to minimize downtime.

## Preventive Maintenance

Scheduled maintenance programs designed to extend equipment life and optimize performance.

## Field Support

On-site technical engineers available for installation, commissioning, and emergency repairs.

## Engineering Consultation

Expert advisory services for system upgrades, modifications, and performance optimization.

# Contact & Global Presence

Connect with our engineering team to discuss your project requirements and discover how GEOMAT can deliver precision-engineered solutions for your operations.

## Head Office

Abu Dhabi, United Arab Emirates

## Phone

+971 56 526 4593

## Email

[geomat@geomat.me](mailto:geomat@geomat.me)

## Website

[www.geomatme.com](http://www.geomatme.com)

## GEOMAT at a Glance

**10+**

Years of  
Experience

**500+**

Projects  
Delivered

**40+**

Employees

**100+**

Engineering  
Professionals



A large industrial machine, possibly a hydraulic press or a metalworking tool, is the background of the image. It has a dark, metallic finish with some lighter-colored components. The machine is positioned in a factory or workshop setting, with other equipment visible in the background. The overall tone is dark and professional.

# **Engineering Excellence. Reliable Solutions. Trusted Partnership.**

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