



Caldera
ENGINEERING CONSULTANCY

Company Profile

Caldera Engineering Consultancy - A multidisciplinary engineering consultancy firm delivering innovative, reliable, and sustainable solutions across energy, infrastructure, industrial, and architectural sectors worldwide.

www.Calderaec.com

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ABOUT CALDERA

Engineering Excellence Since 2021

Caldera Engineering Consultants is a premier multidisciplinary engineering consultancy delivering strategic, technical, and project leadership solutions across the energy, oil & gas, industrial, marine, infrastructure, and architectural sectors.

In line with our global expansion strategy, Esse Technologies, established in Dubai in 2021, is now part of Caldera Engineering Consultants. This integration strengthens our regional capabilities and enables us to better support clients across the Middle East with enhanced expertise and resources.

At Caldera, we operate at the intersection of engineering precision and strategic vision. We transform complex technical challenges into structured, commercially viable, and sustainable project outcomes. Our multidisciplinary expertise spans technical and economic feasibility studies, advanced engineering design, project management consultancy (PMC), and comprehensive project development advisory services.

05+

Years of Experience

Over a decade of Engineering excellence delivering transformative projects

20+

Projects Completed

Successful delivery across multiple sectors and geographies

60+

Team Members

Expert professionals leading technical innovation



VISION, MISSION & VALUES

Shaping the Future of Sustainable Development



OUR VISION

To be a leading force in engineering consultancy across the region, recognized for shaping transformative infrastructure, energy, and industrial projects that define the future of sustainable development. We envision a future where engineering excellence, innovation, and responsible development converge to create enduring value for industries, communities, and economies.



OUR MISSION

To deliver world-class engineering consultancy services that combine technical expertise, strategic insight, and disciplined project governance—enabling clients to execute complex projects with confidence and control.

We provide technically robust and economically sound solutions, ensure regulatory compliance and safety, optimize capital efficiency and lifecycle performance, support sustainable development, and build lasting partnerships grounded in trust and results.



OUR VALUES

Our values are founded on engineering leadership, integrity, and strategic excellence. We apply advanced technical expertise and disciplined processes to deliver precise, sustainable solutions aligned with long-term financial and operational goals. Guided by transparency and accountability, we work as trusted partners to our clients, embracing innovation and continuous advancement to remain at the forefront of engineering consultancy.

OUR SERVICES

Comprehensive Engineering Solutions



OIL & GAS FACILITIES ENGINEERING

Specialized consultancy for upstream, midstream, and downstream operations including facility planning, detailed design, and safety compliance aligned with international standards.



PETROLEUM & CHEMICAL PROJECTS

Advanced engineering for refinery operations, industrial chemical plants, process optimization, and material testing to ensure product quality and environmental compliance.



ENERGY & WATER PROJECTS

Engineering design and feasibility assessments for gas-based energy systems, coal projects, and integrated water management supporting sustainable development..



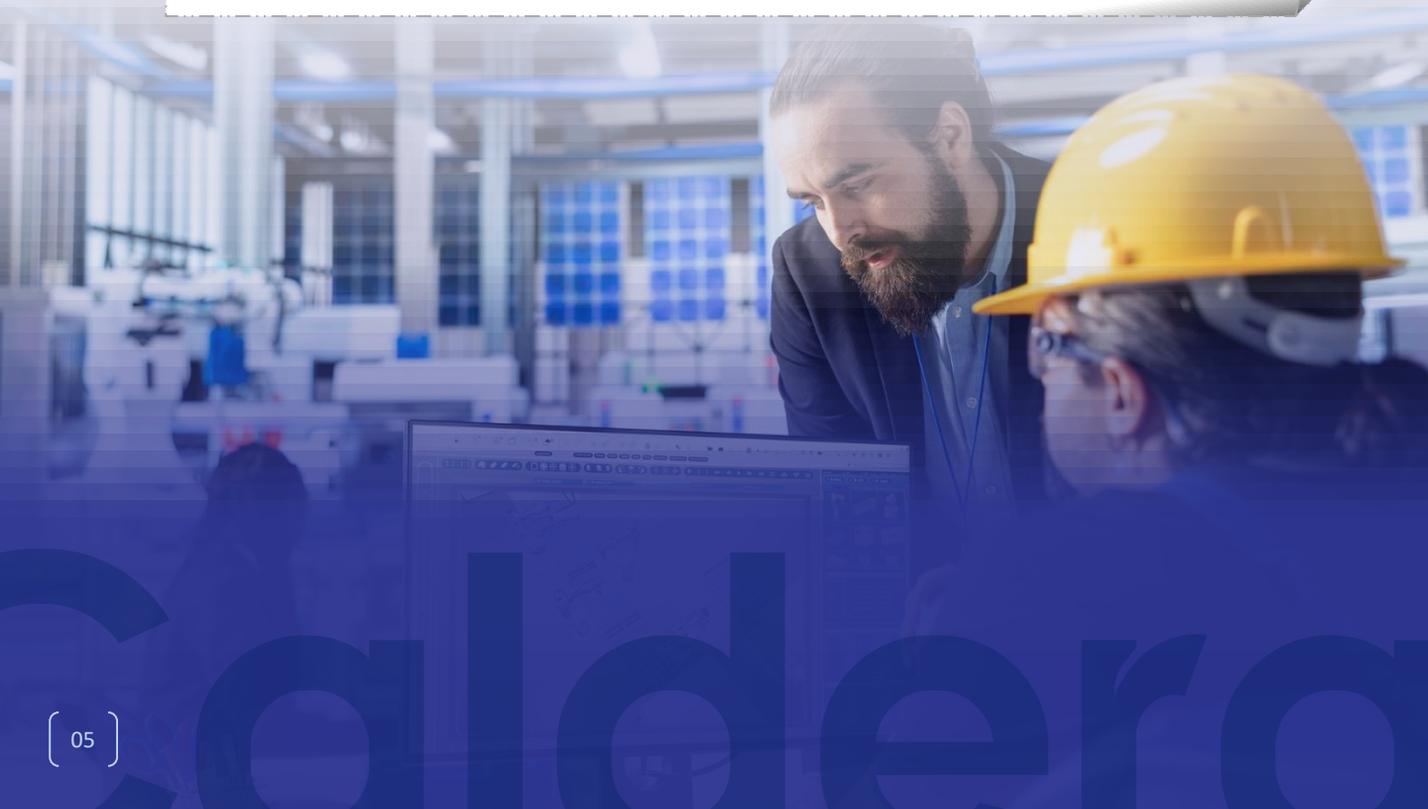
EXPLORATION CONSULTANCY

Oil and natural gas research support including hydrographic surveys, ground investigations, geophysical assessments, and exploration facility design.



MARINE SURVEY ENGINEERING

Offshore and nearshore development support including marine surveying, hydrographic mapping, and technical documentation for marine environments.



OUR SERVICES

Comprehensive Engineering Solutions



FEASIBILITY STUDIES

Comprehensive technical, financial, and strategic assessments determining project viability with data-driven insights and regulatory compliance.



GENERAL FACILITIES & SERVICES

Public utilities and infrastructure consultancy including detailed designs, specifications, and system integration for various facility types.



ARCHITECTURAL ENGINEERING

Conceptual and detailed design services combining functionality, sustainability, and aesthetics while ensuring regulatory compliance.



PROJECT MANAGEMENT (PMC)

End-to-end project oversight managing planning, scheduling, budgeting, and quality assurance to deliver projects on time and within budget.



PROJECT DEVELOPMENT

Transforming ideas into viable investments through development strategies, market analysis, cost evaluation, and strategic implementation frameworks.



Caldera
ENGINEERING CONSULTANCY



Service Portfolio

IN FOCUS

Caldera

1. Oil & Gas Facilities Engineering

We provide specialized engineering consultancy services for the oil and gas sector, supporting upstream, midstream, and downstream operations. Our expertise covers facility planning, conceptual and detailed design, technical specifications, system optimization, and safety compliance.

Our services include preparation of engineering designs, drawings, technical documentation, and specifications to support the development and enhancement of complex oil and gas facilities. We focus on operational efficiency, process integrity, environmental responsibility, and adherence to international industry standards.

Through integrated engineering solutions, we assist clients in developing safe, sustainable, and cost-effective facilities that meet evolving industry demands.



CONCEPT DEVELOPMENT & FEED

Comprehensive feasibility studies, concept selection, Pre-FEED and FEED services that establish technically robust and commercially viable project foundations.



PROCESS ENGINEERING

Advanced process design, simulation, PFDs/P&IDs development, equipment sizing, and performance optimization to ensure operational excellence and efficiency.



MECHANICAL & EQUIPMENT ENGINEERING

Design and specification of static and rotating equipment, pressure systems, storage facilities, and packaged units aligned with international codes and standards.

 **PIPING & PIPELINE ENGINEERING**

Integrated piping layouts, 3D modeling, stress analysis, pipeline design, and material engineering for safe and reliable hydrocarbon transport systems.

 **CIVIL & STRUCTURAL ENGINEERING**

Site development, foundation design, structural steel systems, and blast-resistant structures engineered for operational durability and safety.

 **ELECTRICAL ENGINEERING**

Power generation and distribution systems, substation design, load studies, hazardous area classification, and grounding systems for critical energy infrastructure.

 **INSTRUMENTATION, CONTROL & AUTOMATION**

DCS, PLC, and SCADA system design, control philosophies, SIL assessments, and automation solutions to enhance plant reliability and safety.

 **SAFETY & RISK MANAGEMENT**

HAZID, HAZOP, QRA, fire & gas systems design, and regulatory compliance support to safeguard personnel, assets, and operations.

 **ENVIRONMENTAL & SUSTAINABILITY SOLUTIONS**

Emission control systems, produced water treatment, environmental compliance support, and energy optimization aligned with sustainable industry practices

 **BROWNFIELD & ASSET OPTIMIZATION**

Revamps, debottlenecking, life-extension studies, and asset integrity assessments to maximize performance of existing facilities.

 **PROCUREMENT & PROJECT SUPPORT**

Technical bid evaluations, vendor document review, inspection support, and commissioning assistance to ensure seamless project execution.

2. Petroleum and Chemical Projects Engineering

We provide advanced engineering consultancy services in petroleum and chemical industries, supporting refinery operations, industrial chemical plants, and specialized manufacturing facilities.

Our expertise includes oil refining engineering, industrial chemical process design, metal and plastic engineering applications, chemical compound testing, and atomic composition analysis of materials. We assist clients in optimizing process performance, ensuring product quality, and maintaining safety and environmental compliance.

By integrating engineering innovation with scientific precision, we deliver reliable solutions for complex petroleum and chemical projects.

REFINERY ENGINEERING & PROCESS UNITS

Engineering consultancy for crude distillation units, conversion units, hydro treating, reforming, and associated refinery process systems to enhance efficiency and throughput.

INDUSTRIAL CHEMICAL PROCESS DESIGN

Conceptual and detailed engineering for chemical manufacturing plants, including reaction systems, separation processes, heat transfer systems, and process optimization.

SPECIALTY & MANUFACTURING FACILITIES ENGINEERING

Engineering support for specialty chemical plants, polymer production units, and advanced industrial manufacturing facilities.



 **MATERIAL & METALLURGICAL ENGINEERING**

Material selection, corrosion analysis, metal and polymer engineering applications, and performance assessment for chemical and petroleum environments

 **LABORATORY ENGINEERING & ANALYTICAL SUPPORT**

Chemical compound testing frameworks, atomic composition analysis, material characterization, and laboratory facility engineering integration.

 **PROCESS SAFETY & COMPLIANCE**

HAZOP studies, risk assessments, regulatory compliance support, and environmental engineering solutions aligned with international standards.

 **QUALITY & PRODUCT OPTIMIZATION**

Process performance enhancement, yield improvement studies, energy efficiency optimization, and product quality control engineering.

 **ENVIRONMENTAL & EMISSION ENGINEERING**

Effluent treatment systems, emission control design, waste minimization strategies, and sustainable process solutions.

 **BROWNFIELD MODIFICATIONS & PLANT UPGRADES**

Capacity expansion, debottlenecking, revamps, and modernization of refinery and chemical process units.

 **TECHNICAL PROCUREMENT & PROJECT SUPPORT**

Technical specifications, vendor evaluation, equipment review, and commissioning support to ensure successful project delivery.



3. Energy & Water Projects Engineering

We offer engineering consultancy services for energy and water-related infrastructure projects, including gas-based energy systems, coal energy projects, and integrated water management systems.

Our services encompass engineering design, technical evaluation, analytical studies, and economic feasibility assessments. We evaluate project alternatives, analyze environmental impacts, and provide strategic recommendations to support sustainable and efficient energy and water development.

Our solutions are designed to enhance resource efficiency, environmental stewardship, and long-term operational reliability.

POWER GENERATION ENGINEERING

Engineering consultancy for gas-based power plants, coal-fired power systems, and hybrid energy facilities including concept development, detailed design, and performance optimization.

GAS BASED ENERGY SYSTEMS

Design and technical evaluation of gas turbines, combined cycle plants (CCGT), cogeneration systems, and fuel supply infrastructure.

CONVENTIONAL & THERMAL POWER ENGINEERING

Engineering support for coal-based plants, boiler systems, steam cycles, balance of plant (BoP), and emission control systems.



 **RENEWABLE & INTEGRATED ENERGY SOLUTIONS**

Hybrid systems integration, energy efficiency studies, and de-carbonization strategies aligned with evolving energy transition goals.

 **WATER TREATMENT & DESALINATION ENGINEERING**

Design and optimization of water treatment plants, desalination facilities (RO/MSF/MED), and industrial water systems.

 **INTEGRATED WATER MANAGEMENT SYSTEMS**

Water distribution networks, pumping stations, storage systems, wastewater treatment, and reuse systems.

 **ENVIRONMENTAL & IMPACT ASSESSMENT**

Environmental impact studies, regulatory compliance support, resource sustainability analysis, and mitigation planning.

 **FEASIBILITY & ECONOMIC STUDIES**

Technical due diligence, cost-benefit analysis, project viability assessments, and investment-grade feasibility studies.

 **RESOURCE OPTIMIZATION & SUSTAINABILITY**

Energy efficiency improvements, water conservation strategies, lifecycle cost analysis, and operational performance enhancement.

 **TECHNICAL ADVISORY & PROJECT SUPPORT**

Owner's engineering services, technical reviews, procurement support, and commissioning advisory.



4. Petroleum and Natural Gas Searching & Exploration Consultancy

We provide engineering consultancy services in oil and natural gas research and exploration. Our scope includes preparation of designs, technical drawings, and specifications for exploration-related facilities and support systems.

Our consultancy extends to hydrographic surveys, ground investigations, geophysical assessments, and related technical studies. We support exploration initiatives through precise engineering documentation, analysis, and advisory services tailored to the complexities of the oil and gas sector.



EXPLORATION PLANNING & TECHNICAL ADVISORY

Strategic support for onshore and offshore exploration programs, including field development planning and technical evaluation of prospects.



SEISMIC & GEOPHYSICAL STUDIES

2D/3D seismic data coordination, geophysical surveys, subsurface interpretation support, and resource assessment studies.



HYDROGRAPHIC & MARINE SURVEYS

Bathymetric surveys, seabed mapping, offshore site investigations, and marine data analysis for offshore exploration projects.



 **GEOLOGICAL & GROUND INVESTIGATIONS**

Geotechnical studies, soil investigations, core analysis coordination, and subsurface condition assessments for drilling and facility planning.

 **DRILLING SUPPORT ENGINEERING**

Well site layout planning, drilling support facility design, temporary infrastructure engineering, and logistics support systems.

 **EXPLORATION FACILITIES ENGINEERING**

Design and technical documentation for exploration camps, support bases, storage systems, and associated infrastructure.

 **RESOURCE EVALUATION & FEASIBILITY STUDIES**

Preliminary reserve estimation support, technical risk assessment, and economic feasibility analysis for exploration prospects.

 **ENVIRONMENTAL & REGULATORY SUPPORT**

Environmental baseline studies coordination, impact assessment support, and compliance advisory aligned with industry regulations.

 **TECHNICAL DOCUMENTATION & SPECIFICATIONS**

Preparation of engineering drawings, technical specifications, tender documentation, and detailed reports for exploration-related infrastructure.



5. Marine Survey Engineering

Our Marine Survey Engineering services support projects within water bodies, coastal areas, and marine environments. We prepare engineering plans, marine drawings, and technical documentation for offshore and near shore developments.

Our expertise includes marine surveying studies, hydrographic mapping, participation in construction activities within marine environments, and preparation of maps for engineering and marine applications.

We ensure compliance with environmental standards, navigational safety requirements, and marine regulatory frameworks while supporting efficient project execution.



HYDROGRAPHIC & BATHYMETRIC SURVEYS

High-precision hydrographic surveys, seabed mapping, depth profiling, and contour modeling to support offshore and nearshore developments.



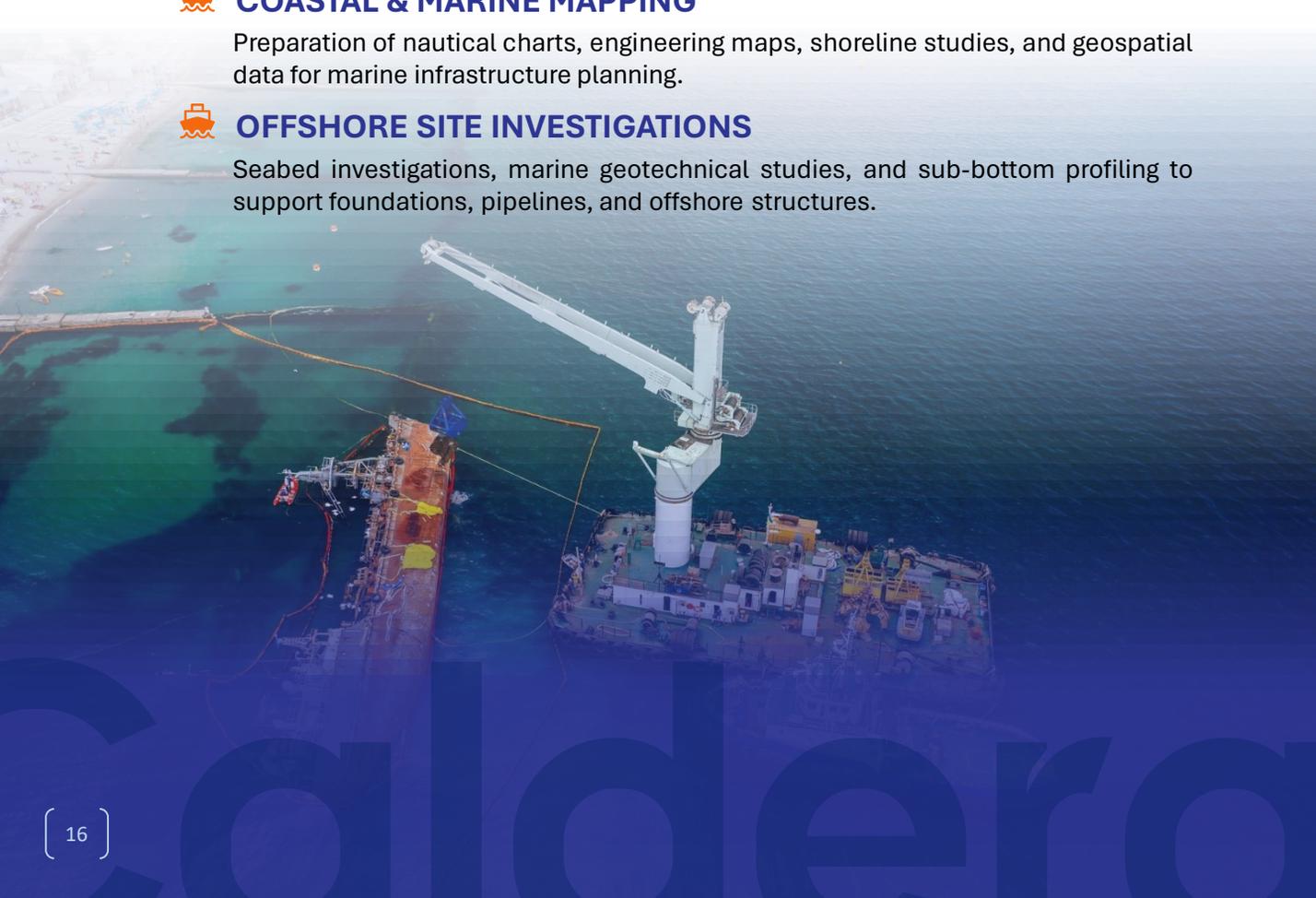
COASTAL & MARINE MAPPING

Preparation of nautical charts, engineering maps, shoreline studies, and geospatial data for marine infrastructure planning.



OFFSHORE SITE INVESTIGATIONS

Seabed investigations, marine geotechnical studies, and sub-bottom profiling to support foundations, pipelines, and offshore structures.





MARINE INFRASTRUCTURE ENGINEERING SUPPORT

Engineering documentation and drawings for jetties, berths, offshore platforms, subsea pipelines, and coastal protection systems.



CONSTRUCTION SUPPORT IN MARINE ENVIRONNEMENTS

Survey control, positioning services, dredging support surveys, and monitoring during offshore and nearshore construction activities.



NAVIGATION & REGULATORY COMPLIANCE

Navigational safety assessments, marine regulatory coordination, and compliance with international maritime standards.



ENVIRONMENTAL & COASTAL IMPACT STUDIES

Marine environmental assessments, sediment transport studies, and shoreline impact evaluations.



GIS & GEOSPATIAL DATA SERVICES

Digital terrain models (DTM), marine GIS integration, spatial analysis, and data management for engineering applications.



TECHNICAL DOCUMENTATION & REPORTING

Preparation of marine survey reports, technical drawings, survey deliverables, and tender documentation.



6. Feasibility Studies

Our feasibility study services provide comprehensive technical, financial, and strategic assessments to determine the viability of proposed engineering projects. We conduct detailed analyses covering technical requirements, capital and operational expenditure, market conditions, risk evaluation, environmental considerations, and regulatory compliance.

Our team delivers data-driven insights and practical recommendations that guide informed decision-making, optimize resource allocation, and ensure strategic alignment with client objectives. We prepare technical and economic feasibility studies for new developments to assess profitability, operational sustainability, and long-term performance.

All studies are conducted in compliance with applicable regulatory frameworks. Field surveys and questionnaires are undertaken only after obtaining the necessary approvals from relevant authorities.

TECHNICAL FEASIBILITY ASSESSMENT

Comprehensive evaluation of engineering concepts, technology selection, infrastructure requirements, and project execution strategies.

MARKET & DEMAND ASSESSMENT

Market analysis, demand forecasting, competitive benchmarking, and commercial viability studies.



 **RISK ASSESSMENT & MITIGATION**

Technical, financial, operational, and regulatory risk identification with structured mitigation frameworks.

 **ENVIRONMENTAL & REGULATORY EVALUATION**

Environmental impact considerations, sustainability analysis, permitting requirements, and compliance strategy development.

 **SITE & FIELD INVESTIGATIONS**

Site reconnaissance, data collection, surveys, stakeholder consultations, and technical validation—conducted in accordance with statutory approvals.

 **ALTERNATIVE ANALYSIS & OPTIMIZATION**

Evaluation of project alternatives, technology comparison, lifecycle cost analysis and value engineering studies.

 **STRATEGIC ADVISORY & INVESTMENT SUPPORT**

Investment-grade feasibility reports, bankable documentation, due diligence support, and decision-making frameworks for investors and stakeholders.

 **PROJECT VIABILITY & SUSTAINABILITY STUDIES**

Long-term operational performance evaluation, resource optimization strategies, and sustainability alignment assessments.



7. General Facilities & Services Engineering

Caldera Engineering Consultants provides consultancy services for public utilities and general engineering infrastructure. We prepare detailed designs, drawings, technical specifications, and engineering documentation for various facility types and service systems.

Our scope includes utilities planning, infrastructure coordination, system integration, and compliance with regulatory standards. We ensure that engineering solutions are technically sound, cost-effective, and aligned with project objectives.



UTILITIES PLANNING & INFRASTRUCTURE DESIGN

Comprehensive planning and engineering design for power, water, drainage, compressed air, and utility distribution networks.



BUILDING SERVICES ENGINEERING

Design of HVAC systems, plumbing networks, fire protection systems, lighting, and internal service infrastructure.



 **INDUSTRIAL & INSTITUTIONAL FACILITIES ENGINEERING**

Engineering consultancy for warehouses, workshops, service buildings, administrative facilities, and public infrastructure.

 **INFRASTRUCTURE COORDINATION & SYSTEM INTEGRATION**

Multidisciplinary coordination of civil, mechanical, electrical, and instrumentation systems to ensure seamless integration.

 **ELECTRICAL & MECHANICAL SERVICES**

Design and technical specification for power distribution, backup systems, pumping stations, and mechanical service equipment.

 **TECHNICAL DOCUMENTATION & ENGINEERING DRAWINGS**

Preparation of detailed engineering drawings, specifications, tender documentation, and as-built documentation.

 **COST OPTIMIZATION & VALUE ENGINEERING**

Cost-effective design strategies, lifecycle cost analysis, and performance optimization studies.

 **PROJECT ADVISORY & TECHNICAL SUPPORT**

Technical reviews, procurement support, site coordination, and commissioning advisory for facility development projects



8. Architectural Engineering

We provide architectural engineering consultancy services covering conceptual design, detailed design, and technical documentation for building and construction projects.

Our services include preparation of architectural designs, drawings, technical specifications, preliminary engineering studies, and evaluation of financial proposals. We combine functionality, sustainability, and aesthetic considerations to deliver practical and innovative design solutions.

Our architectural consultancy ensures compliance with local regulations, building codes, and project performance requirements.

CONCEPTUAL & MASTER PLANNING

Development of architectural concepts, space planning, master layouts, and preliminary design strategies aligned with project vision and site conditions.

DETAILED ARCHITECTURAL DESIGN

Preparation of detailed architectural drawings, elevations, sections, construction details, and coordinated design documentation.

BUILDING CODE & REGULATORY COMPLIANCE

Design review and documentation in accordance with local authority regulations, zoning requirements, and international building standards.



 **SUSTAINABLE & GREEN DESIGN SOLUTIONS**

Integration of energy-efficient design strategies, environmental considerations, and sustainable material selection.

 **TECHNICAL SPECIFICATIONS & DOCUMENTATION**

Preparation of architectural specifications, schedules, BOQs support, and comprehensive tender documentation.

 **PRELIMINARY ENGINEERING & FEASIBILITY SUPPORT**

Architectural input for feasibility studies, site assessments, massing studies, and financial proposal evaluations.

 **DESIGN COORDINATION & MULTIDISCIPLINARY INTEGRATION**

Collaboration with structural, MEP, and infrastructure teams to ensure cohesive and buildable project outcomes.

 **VALUE ENGINEERING & COST OPTIMIZATION**

Design refinement to balance aesthetics, functionality, constructability, and budget constraints.

 **CONSTRUCTION SUPPORT & DESIGN REVIEW**

Shop drawing review, site coordination support, and architectural advisory during project execution.



9. Project Management Consultancy (PMC)

Caldera Engineering Consultants offers comprehensive Project Management Consultancy (PMC) services to oversee engineering projects from initiation through completion. We manage all aspects of project execution, including planning, scheduling, budgeting, procurement coordination, and quality assurance.

Our structured management approach ensures alignment between project objectives, stakeholder expectations, and operational requirements. We coordinate multidisciplinary teams, monitor progress, manage risks, and control resources to ensure projects are delivered on time, within budget, and to the highest quality standards.

Our goal is to provide transparent governance, effective communication, and disciplined execution to achieve successful project outcomes.

DESIGN MANAGEMENT & MULTIDISCIPLINARY COORDINATION

Support and Supervision of engineering design activities, interface management, and coordination between consultants, contractors, and stakeholders.

PROJECT INITIATION & PLANNING

Project definition, scope development, feasibility alignment, execution strategy formulation, and stakeholder coordination.

PROJECT SCHEDULING & COST CONTROL

Comprehensive project scheduling, budget development, cost monitoring, cash flow management, and financial control systems.

PROJECT CONTROLS & REPORTING

Performance tracking, KPI monitoring, progress reporting, change management, and transparent stakeholder communication.

PROCUREMENT & CONTRACTS MANAGEMENT

Tendering coordination, bid evaluation, contract administration, vendor management, and procurement oversight.

RISK MANAGEMENT & MITIGATION

Identification, analysis, and management of technical, financial, and operational risks throughout the project lifecycle.

QUALITY ASSURANCE & COMPLIANCE

Implementation of QA/QC frameworks, compliance monitoring, and adherence to project specifications and regulatory standards.

CONSTRUCTION SUPERVISION & SITE MANAGEMENT

On-site monitoring, progress tracking, contractor performance evaluation, and construction quality control.

HEALTH, SAFETY & ENVIRONMENTAL OVERSIGHT

HSE compliance monitoring, safety audits, environmental management coordination, and regulatory alignment.

COMMISSIONING & PROJECT CLOSE-OUT

Commissioning oversight, performance validation, documentation review, handover management, and final project closure support.

10. Project Development Consultancy (PDC)

Caldera Engineering Consultants offers comprehensive project development consultancy services to transform ideas into structured, viable investment opportunities.

Our services include preparation of project studies, development strategies, economic feasibility supervision, market analysis, cost evaluation, and risk assessment. We review development requirements, identify potential challenges, and provide strategic frameworks to guide implementation.

We support clients throughout the development lifecycle, ensuring that projects are financially sound, strategically positioned, and operationally achievable.

PROJECT CONCEPTUALIZATION & STRATEGY

Transforming ideas into structured project concepts, strategic frameworks, and actionable development plans.

FEASIBILITY & ECONOMIC EVALUATION

Comprehensive technical and financial feasibility studies, cost estimation, investment analysis, and profitability assessment.

MARKET & DEMAND ANALYSIS

Market research, demand forecasting, competitive benchmarking, and opportunity identification to guide project positioning.



 **RISK ASSESSMENT & MITIGATION**

Identification of technical, financial, and operational risks with structured mitigation strategies for sustainable project delivery.

 **DEVELOPMENT PLANNING & IMPLEMENTATION SUPPORT**

Preparation of project development plans, timelines, resource allocation frameworks, and phased implementation strategies.

 **INVESTMENT & FUNDING ADVISORY**

Guidance on project financing, capital structuring, and investment-grade documentation to support stakeholder decisions.

 **LIFECYCLE MANAGEMENT & PERFORMANCE OPTIMIZATION**

Support throughout the project lifecycle, ensuring alignment with strategic objectives, operational efficiency, and long-term viability.

 **STAKEHOLDER ENGAGEMENT & REGULATORY COORDINATION**

Coordination with authorities, compliance monitoring, and advisory support for approvals and statutory clearances.





Project Highlights

Key Milestones

PROJECTS

Recent Projects

Our experience is built on the successful execution of numerous projects across different sectors. Presented here is a selection of recent projects that reflect our capabilities and commitment to excellence. A comprehensive list of projects is available on our website.

Project 1

Project	:	Project Management Support for Robotics Integration
Client	:	Axiom Robotics Solutions Ltd.
Location	:	Munich, Germany
Start ~ End	:	June 2025 – Nov 2025

Project 2

Project	:	PMC for Biofuel Tank Farm Expansion
Client	:	WestBio Fuels Pvt. Ltd.
Location	:	Vizag Port, India
Start ~ End	:	Mar 2025 – Sept 2025

Project 3

Project	:	Project Management Support for Offshore Oil Rig Expansion
Client	:	Zephyr Energy Ltd.
Location	:	Dubai Offshore Field, United Arab Emirates
Start ~ End	:	Jun 2024 – Dec 2024 (7 Months)

Project 4



Project	:	FEED & Detailed Design of Modular Gas Dehydration Unit
Client	:	Volaris Energy Solutions Ltd.
Location	:	Urat Field, Western Siberia, Russia
Start ~ End	:	Jan 2024 – Dec 2024

Project 5



Project	:	Tie-in Engineering for LPG Railcar Loading Facility
Client	:	Coraline Petrotrans Ltd.
Location	:	Kandla Terminal, India
Start ~ End	:	Oct 2023 – Sep 2024

Project 6



Project	:	Diesel Pipeline Heat Tracing & Insulation Study
Client	:	ThermaLink Energy Solutions
Location	:	Durban Refinery, South Africa
Start ~ End	:	Jan 2023 – Dec 2023

Project 7



Project	:	Offshore Gas Compression Platform Design & Installation
Client	:	Falcon Petroleum Ltd.
Location	:	East Coast Offshore Field, Saudi Arabia
Start ~ End	:	Jan 2022 – Mar 2023

Legal Credentials

Registration

Caldera

TRADE LICENSE

Company Registration Documents

License No. : 50871
 Trade Name : Caldera Engineering Consultancy




Business License رخصة تجارية

License Details		تفاصيل الرخصة	
License No.	50871	رقم الرخصة	50871
Registration No.	50871	رقم السجل	50871
Trade Name	CALDERA ENGINEERING CONSULTANCY - F.Z.E	الاسم التجاري	كالدرا انجنيورينج كونسولتنسي - م م ح
Legal Form	Free Zone Establishment - Limited Liability	الشكل القانوني	مؤسسة منطقة حرة - ذات مسؤولية محدودة
First Issue Date	January 13, 2026	تاريخ الإصدار الأول	January 13, 2026
Current Issue Date	January 13, 2026	تاريخ الإصدار الحالي	January 13, 2026
Expiry Date	January 12, 2027	تاريخ الانتهاء	January 12, 2027
Manager	SALJUSH CHEMMANGAT THAZHATHU VALAPIL LAKSHMANAN	المدير	ساجوش شيمانجات تازهاثو فالابيل لاكشمانان

Address		العنوان	
Premise Number	Office - C1 - 1F - SF8025	رقم الموقع	Office - C1 - 1F - SF8025
Building Name	Ajman Free Zone C1 Building	اسم المبنى	منطقة عجمان الحرة مبنى C1
Business District	Ajman Free Zone	منطقة الأعمال	منطقة عجمان الحرة
Makani No.	4442612247	رقم مكاني	4442612247

Activities		الأنشطة	
1. Architectural Engineering Consultancy		1.	استشارات في الهندسة المعمارية
2. Project Management Services		2.	خدمات إدارة المشاريع
3. Consultancy project development		3.	استشارات تطوير المشاريع
4. Marine Survey Engineering Consultancy		4.	استشارات هندسة المساحة البحرية
5. Oil and Gas Facilities Consultancy		5.	استشارات هندسية في منشآت النفط والغاز
6. Petroleum and Chemical Engineering Consultancy		6.	استشارات هندسية البترول والهندسة الكيماوية
7. Energy Projects Engineering Consultancy		7.	استشارات هندسية مشاريع الطاقة
8. Feasibility Studies Consultancies			



منطقة عجمان الحرة
Ajman Free Zone

مستند إلكتروني معتمد صادر بدون توقيع من هيئة المناطق الحرة في عجمان
Approved electronic document issued without signature by Free Zone Authority of Ajman
Toll Free 8002392 www.fza.ae






9. General Facilities and Services Engineering Consultancy 8. استشارات ودراسات الجدوى الاقتصادية

10. Petroleum and Natural Gas Searching and Exploration Consultancy 9. استشارات هندسية في المرافق العامة والخدمات

10. استشارات الهندسية في البحث والتقيب عن البترول والغاز الطبيعي

Shareholder (s)		المساهم (المساهمين)		
الاسم Names	عدد السهم Number of Shares	النسبة المئوية Percentage	الجنسية Nationality	رقم جواز السفر Passport Number
SALJUSH CHEMMANGAT				
THAZHATHU VALAPIL LAKSHMANAN	100	100 %	India	Z3350053

Notes: The Licensee must obtain the required approvals/permit from the relevant UAE Government Authorities as applicable.

يجب على المرخص له الحصول على الموافقات/التصريح المطلوب من الجهات الحكومية المختصة في دولة الإمارات العربية المتحدة حسب التفصّل.



منطقة عجمان الحرة
Ajman Free Zone

مستند إلكتروني معتمد صادر بدون توقيع من هيئة المناطق الحرة في عجمان
Approved electronic document issued without signature by Free Zone Authority of Ajman
Toll Free 8002392 www.fza.ae





Caldera
ENGINEERING CONSULTANCY



Contact Us

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Caldera

LETS CONNECT

Partner with Caldera Engineering

Transform your vision into reality with a consultancy partner that delivers technical excellence, strategic intelligence, and unwavering commitment to your success. Our multidisciplinary expertise, proven track record, and client-focused approach make us the ideal partner for your next energy, infrastructure, or industrial project.

Get Ready to Start?

Connect with our team to discuss how Caldera Engineering Consultants can support your next project with world class engineering consultancy services.

Reach Caldera:

United Arab Emirates

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Rashed Bin Saeed Al Maktoum Road,
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Guindy Institutional Area, Guindy,
Chennai, Tamil Nadu 600032, India

+91 6282962631

 www.Calderaec.com
 info@Calderaec.com

Working Hours

Monday - Friday: 8:00 AM - 5:00 PM

Saturday: 8:00 AM - 1:00 PM

Sunday: Closed

.....Thank You

Team Caldera Engineering Consultancy

To explore our expertise, Visit www.calderaec.com

Caldera