



# HIGH-TECH SOLUTIONS

# Who we are – and what we do

Emtac Group is an international company that provides technical and professional products and services to the energy, resources and complex processes industries. Our reputation is built on our all-embracing process engineering skill and expertise in the planning, project development, procurement, and construction of turnkey industrial projects, no matter what their size. Emtac Group has a history of delivering large-scale, complex projects, and as such is one of the few global companies with the resources, technical back-up and systems to meet the needs of your project.

What we do at Emtac Group, however, goes much further than new development. We support existing operations through the delivery of either brownfield or greenfield ventures, which sustain current asset integrity and help you simultaneously, optimise your business performance and production values. Emtac Group offers you everything you might conceivably need to deliver your projects on time and in budget.

## How we work

Emtac Group serves as your only supplier; we deliver everything from initial plans to plant-running and maintenance. We do this through our affiliate companies who work together with you as either a joint-venture; as subcontractors, or as local service contractors. Emtac Group has the flexibility and versatility to supply your every need, every time you need it.

We like to work closely with you at all times, so we can ensure any work we do is always under your direction, and so our teams of experts can respond quickly to any changes you may require.

Emtac Group works to ensure that all the phases of your project or production cycle work to their full potential. Emtac Group understands your critical concerns through adapting to your needs. This enables you to perform at optimum levels for continuous long term performance excellence.

At Emtac Group, we aim to develop your business so there is an integrity, quality and efficiency in everything we do for you, as well as offering the promise of a safe and healthy workplace for everyone. We minimise any negative environmental effects by ensuring strict adherence to local laws, international agreements and your policies at all times.



# Our Services

## Infrastructure Services

Emtac Group's Infrastructure and Environment division delivers technically outstanding, cost-effective solutions. We are responsible for some of the most challenging projects in the world.

Emtac Group serves the entire project life-cycle, beginning with feasibility studies. Our extensive engineering and technical expertise comes from years of industry experience in just the kind of projects that you are running. We understand what you need to do, as we insist on listening to you at all stages of the project, so we deliver your project on time, in budget, and with a commitment to safety, quality, operability, service and long-term business relations.

Emtac Group offers infrastructure solutions in four main sectors:

- Resources
- Energy
- Transport
- Water and wastewater

Within these sectors we offer expertise in the following infrastructure areas:

- Civil and structural engineering
- Coastal and marine projects
- Environmental projects
- Geotechnical services
- Road and rail
- Water resource management

Whichever sector you operate in, Emtac Group has the solution you need for your infrastructure requirements.

## Hydrocarbon Industry Services: Oil and Gas

Emtac Group is a leading energy-industry technical supplier and solutions provider, able to serve you with specialised solutions for the hydrocarbon business sector, whether upstream, midstream and downstream—and, wherever you are in the world. We cover all sector requirements, whether in oil and gas extraction, processing or distribution. Our global coverage enables us to provide you comprehensive services.

## Power Services

Emtac Group is also able to provide you with a varied range of power and energy services. We have the expertise to help you with coal-fired plants, gas turbines or combined cycle equipment and services, integrated gasification combined cycle systems, air-quality control systems, and can assist you with transmission and distribution, as well as providing expertise to help you with your day-to-day operations and maintenance functions.

We can also support you with specific power assistance with regard to:

- Construction and construction management
- Estimation and project control
- Equipment testing and start-up
- Feasibility studies
- Instrumentation and control
- Mechanical, electrical and structural engineering
- Multi-faceted programmes
- Procurement
- Project management
- Repowering and retrofitting of existing systems
- Technology training

We like to build long-term partnerships with you to extend and implement the best possible solutions to your particular energy challenges, whether through energy demand, exploiting your existing assets better, or by reducing your environmental impact. Emtac Group's approach can be described in terms of its flexibility, capability and ability to partner. We can be the main contractor, a partner, or even a sub-contractor, if that is required.

## Minerals and Metals

Emtac Group has a standing as a provider of quality engineering and project services to the minerals, metals and chemicals industries. We have also achieved particular recognition for the delivery of complex processing plants, so whether your company's need is for the highest quality engineering support, the acquiring of project services or general assistance with your business requirements, Emtac Group should be your first choice.

We have been in the business for many years, garnering recognition for our ability to deliver many different kinds of project, including assisting with complex processing plants and the integration of multi-discipline expertise with the latest technology. Our skilled professionals have the ability to deliver customised and innovative solutions.

## Front-End Engineering Design and Detailed Design

Emtac Group specialises in front-end engineering design (FEED). Our FEED projects, no matter what size you require, are completed to industry-beating standards of quality and engineering content in planning, design, procurement, execution and the logistical chain required to deliver it to you.

Our teams are fully multidisciplinary and contain highly-skilled engineers who can draw on the support of other specialists in every feasible field, whether for subsea, piping, electrical, automation or any other project you may have.

Additionally, Emtac Group is able to call upon specialists in areas that others struggle to match: 3D and 4D modelling, ergonomics, cartography, telecom, metallurgy, and power distribution service experts are available at a moment's notice. We optimise your project so the most cost-effective solution is always what we do. Our first priority, whether offshore or on, is you. Emtac Group's expertise is hard to beat.

## E&P, EPC, PMC, and EPCIM Services

Emtac Group has the ability to deliver projects as they were intended, and to levels of service that ensure your satisfaction. We do this for quality, safety, and cost-efficiency so that we are always confident your project will be something you will be more than delighted with, no matter how complex it might be.

Exploring and producing (E&P) in oil and gas, to engineering, procurement, commissioning, installation, construction, and maintenance (EPCIM) as well as project management services, are all areas in which Emtac Group excels. With our extensive experience, and commitment to the task at hand, we are always able to deliver services friendly to all areas, whether socially, economically or environmentally.

For your engineering, procurement and construction (EPC) projects, we carry out engineering and procurement tasks either as partners or subcontractors. We are also able to work with you in a partnership as project management consultants (PMC) and as engineering, procurement and construction management (EPCM), and as part or contract consultants, too. Our project managers and teams are well-versed in the use of every technique and system that can be used to ensure your project is done as it should be, whether we work as your PMCs or EPCMs.

## Emtac Group Financial Services

At Emtac Group, we can offer you funding assistance and a range of other financial services. This ensures that your business has the capital requirements and agreements you require to make your business grow.

We can help you draw up and negotiate new contracts, administer them as you require, structure new and existing finance, and facilitate export credits and financing. Additionally, with our extensive international network, we have the ability to assist you with trade agreements and trade exchange agreements, as well as with international cooperation and collaboration with other companies on a new or existing project.

Furthermore, we are pleased to offer you the chance to form joint ventures, consortia and partnerships, should those options prove to be advantageous to your business plan. At Emtac Group we have every option for you to advance your business through financial help and agreement.



# Emtac Group Services at a Glance

- Crude Distillation (Atmospheric & Vacuum)
- Saturated Gas Concentration
- Gas Oil Hydrotreatment
- Catalytic Reforming
- Gasoline Treatment
- LPG Treatment
- Naphtha Hydrotreating and Fractionating
- Kerosene Treatment
- Desulphurisers
- Amine Treatment
- Sulphur Recovery
- Catalytic Paraffin Removal
- Acid Water Treatment
- Naphtha Desisopentanizer
- Reduced Crude Conversion
- Vacuum Distillation
- Fluid Catalytic Cracking and Gas Concentration
- Hydrocracking
- Hydrogen Generation
- Viscoreduction
- Delayed Coking
- Coke Calcination
- Octane Number Enhancement Units
- Alkylation
- Isomerisation
- Oligomerisation
- MTBE
- Hydrofinishing of Lubricants
- Olefin Saturation
- C4s Hydrotreatment
- Product Storage Facilities
- Semi-Submersible Platforms
- Lubricant Blending Plants
- Truck Loading Stations
- Oil Pipeline
- Auxiliary Services and Off-sites
- Petrochemicals
- Olefins
- Ethylene
- Glycol
- High Density Polyethylene
- Ethers
- Isopropyl Alcohol
- Polypropylene
- Vinyl Chloride Monomer
- Propylene Oxide
- Polyvinyl Chloride
- Low Density Polyethylene
- Butadiene Extraction
- Dichloroethylene
- Ethylene Oxide
- Acrylic Fibres
- Ethanolamine's
- Vinyl Acetate
- Aromatics
- Aromatic Extraction
- Terephthalate Dimethyl
- Ethylbenzene
- Cumene-Phenol-Acetone
- Styrene Monomer and Polystyrene
- Hydrodealkylation
- Cyclohexane
- Caprolactam
- Cyclohexanone
- Polycarbonates
- Dehydrogenation
- Alkylation
- N-Paraffin and N-Olefin Separation
- Gasification of Vacuum Residue
- Elimination of Acid Gas
- Hydroformilation
- Hydrogen Recovery
- Hydrogenation of Thermoplastic Rubber
- Carbon Black
- Additives for Lubricants
- Chlorocarbide
- Blending of Polymers
- Hexanodiol
- Heat Transfer
- Process Heaters
- Heat Exchangers
- Air Coolers
- Steam Generators
- Heat Recovery
- Gathering Systems and Pipelines
- Tri-phase Separation Systems (Oil, Gas, Water)
- Crude Dehydration and Desalting
- Secondary Recovery with Water Injection or Gas Injection
- Production Activation Via Gas-Lift
- Assisted Recovery through Steam Injection, Carbon Dioxide, Polymers or Surfactants
- Gas Desulphurization and Sweetening
- LPG Recovery
- Storage, Handling and Shipping
- Natural Gas Liquefaction Plants
- LNG Re-gasification Terminals
- LNG Flow Regulation Plants
- Gas Compression Plants
- Plants that Convert Town Gas into Natural Gas
- Onshore and Offshore Gas Field Development
- High-tech Exploration and Production Methods
- Development of Oil Sands, Heavy Oil and Sour Gas
- Construction and operation of pipelines
- Gas Processing, Sulphur extraction and Heavy Oil Upgrading
- Specialised Controls and Computer Applications
- Services, Equipment and Training for Environmental Protection and Safety
- Combined Cycles and IGCC's
- Conventional Thermal Plants
- Hydroelectric Power Plants
- Renewable Energy (Solar, Wind, Biomass)
- High Performance Electric Power Generation (Cogeneration, Trigenation, Peaker Plants and others Configurations Designed to Optimise the efficient use of Energy)
- Gas and Diesel Engine Based Power Plants (with and without Heat Recovery)
- Waste to Energy Plants (WTE)
- Biomass Power Plants
- Solar Energy Power Plants
- Biodiesel Production Plant
- Airport and Air Transport
- Ports and Coastal Projects
- Roads and Railways
- Architecture and Buildings
- Environmental Engineering
- Drinking Water Supply and Treatment
- Water Desalination and Debrining
- Urban and Industrial Waste Water Treatment
- Urban and Industrial Solid Waste Treatment
- Treatment and Revalorization of Special Wastes
- Risk Analysis and Preventive Measures
- Environmental Impact Studies, Air Contamination, Noise and Vibration Control
- Hydraulics
- Channels and Conducts
- Hydroelectric Power Plants
- Soil Decontamination
- Water Resource Planning
- Hydrometallurgy
- Electrochemical
- Fertilizers
- Nitric Acid
- Concentrated Nitric Acid
- Catalysts for NOx Elimination in Nitric Acid Plants
- Ammonium Nitrate Liquor Produced in a Pipe Reactor
- Granulated Ammonium Nitrate (AN/CAN)
- Monoammonium Phosphate (MAP)
- Diammonium Phosphate (DAP)
- Superphosphates (SSP and TSP)
- NPK
- Air recycling and washing in Ammonium Nitrate Piling Towers
- Ammonia
- Sulfuric Acid
- Phosphoric Acid
- Urea
- Dicalcium Phosphate
- Chloride soda
- Integrated Mine Infrastructure
- Mineral Processing
- Material Handling
- Asset and Strategy Planning
- Systems and Process Control
- Health and Safety
- Procurement and Supply Chain Services
- Operations & Maintenance
- Specialist Services

## Who we are looking to work with

Emtac Group offers expert solutions to the following groups:

- Producers
- Operators
- Contractors
- Suppliers
- Traders

We are also keen to involve investors who would like financial assistance with their project, or would be interested in partnering with Emtac Group to support other projects across the globe.

## Our Team

With decades of experience in every area of industry, Emtac Group's pool of highly-skilled professionals can help put your business on track. With diverse backgrounds, technical ability that is second-to-none, our people have the ability to focus on your underlying business objectives, according to your particular market and region. They do this with innovative and creative approaches to your strategic opportunities so they can be identified, evaluated and eliminated. You will find that no one deals with you as well as Emtac Group.

## Our areas of service

We provide material, technical, and financial services to a wide-variety of industrial and commercial sectors, including:

- Chemicals and petrochemicals
- Hydrocarbons: oil and gas
- Financial services
- Infrastructure and industries
- Minerals and metals
- Power and water
- Life science - biotechnologies, pharmaceuticals and fine chemical facilities





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

For General Inquiry/Information (USA & International): [contact@emtacgroup.com](mailto:contact@emtacgroup.com)

For Technical & Engineering Services: [process@emtacgroup.com](mailto:process@emtacgroup.com)

For After Sales Services: [support@emtacgroup.com](mailto:support@emtacgroup.com)

For Financing and Business Support: [business@emtacgroup.com](mailto:business@emtacgroup.com)

To Supply or for Partnership: [partner@emtacgroup.com](mailto:partner@emtacgroup.com)

Copyright © Emtac Group Inc. All Right Reserved.

Emtac Group is a (registered) trademark of Emtac Group Inc. All product names used herein are (registered) trademarks of their respective owners. This leaflet/brochure makes no offers, representations or warranties (express or implied) except where stated, and information and data contained in this leaflet/brochure are for general reference only and may change at any time.