

*Your Ultimate Partner In
Cryogenics, Industrial Gases, Medical, Oil & Gas
Projects, Products, Services.*

*Built on experience in years of craftsmanship
We go beyond delivering Sound Engineering and Efficient Solutions
to cater to your valued requirements.*

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■ ■ ■ Introduction

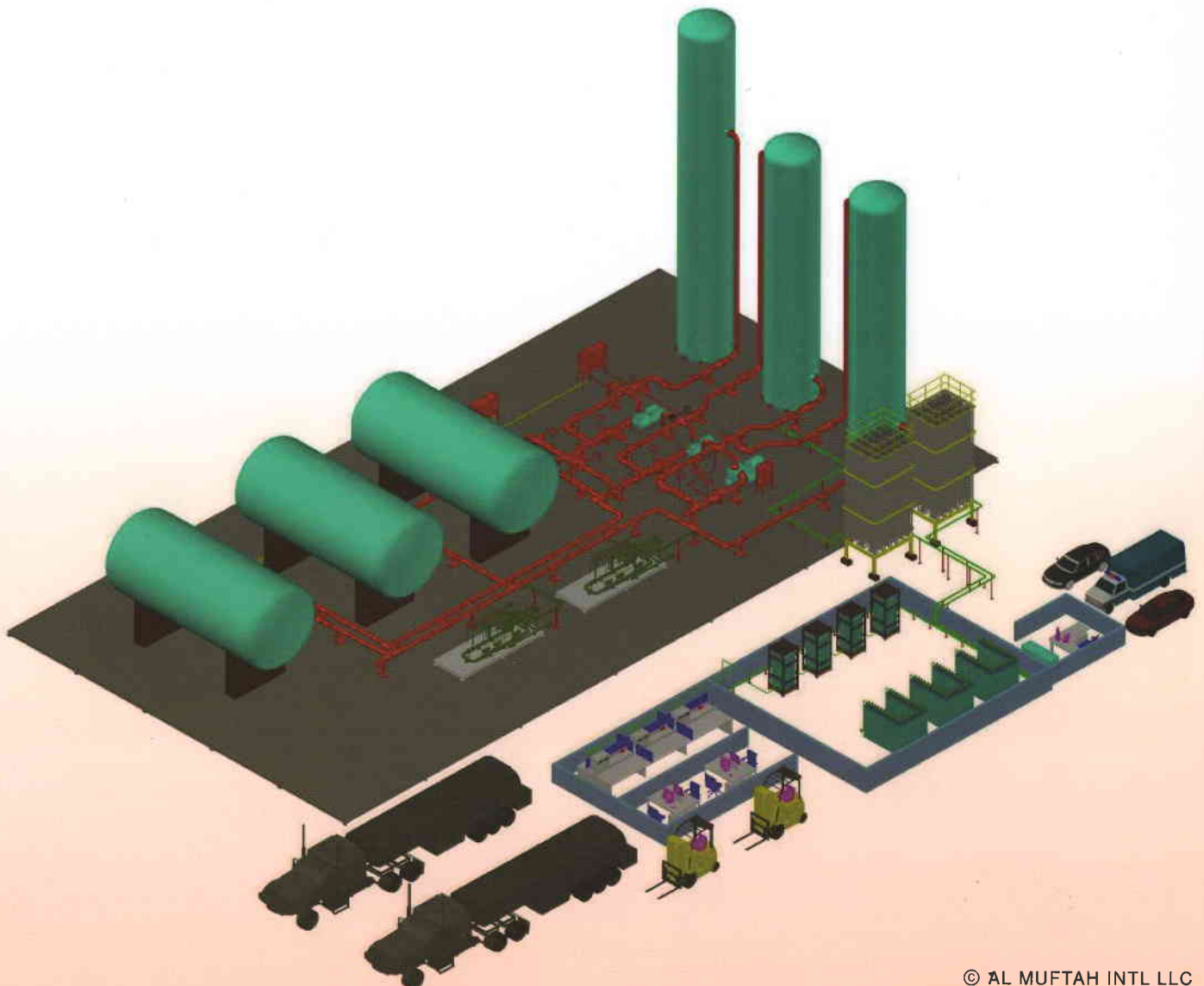
We, **Al Muftah International** are based in the United Arab Emirates with over 40 years of experience in this region. **Al Muftah Intl LLC, AMI**, is the one stop destination for all your industrial and project requirement.

Our expertise in designing, manufacturing, installing and commissioning roots deep into every segment of industrial gases and the cryogenics field, with being at par with world standard quality, we remain as one with the most competitive in our offering.

We *design, fabricate and install Turnkey Packaged Systems* involving controlled distribution of gases along with storage. Projects carried out to support most well known MNC gas companies within the region. A range in fabrication of stainless steel/mild steel piping and structures, to a range in cryogenic storage tanks and instruments sourcing and installation. Offering also a range of special on field services to a range in every equipment required to conjure up to a medium ~ large scaled filling stations.

We're also one of the Largest Stockist of supreme cryogenic tanks, micro bulk tanks, reciprocating cryogenic pumps, industrial cylinders, vacuum insulated systems & pipes, special regulators & valves, diaphragm compressors, gas bundle quads and high-pressure manifold systems.

We provide an even greater range of services catering to medical's bio banking to the food industry's systems in cryogenics. On site installations of these systems over the last decade have given us a well experience to deliver beyond our previous benchmark.



●●○ *Turnkey Industrial Gases Filling Station Facilities*

Over the last decade and a half, we've evolved in our designs and fabrication procedures to cater to the industry's needs. In our systems we offer a complete range in each of the high end quality and precision-based products - Cryogenic Reciprocating Pumps, Cryogenic Liquid Tanks, Ambient Vaporizers, Filling manifolds, Interconnecting Tubing/Pipe works, with Regulators, Valves, instruments incorporated, fabricated and installed for your facility. No matter what capacity and pressure design, no matter how volumetric, we fabricate and install filling stations best suited for you.



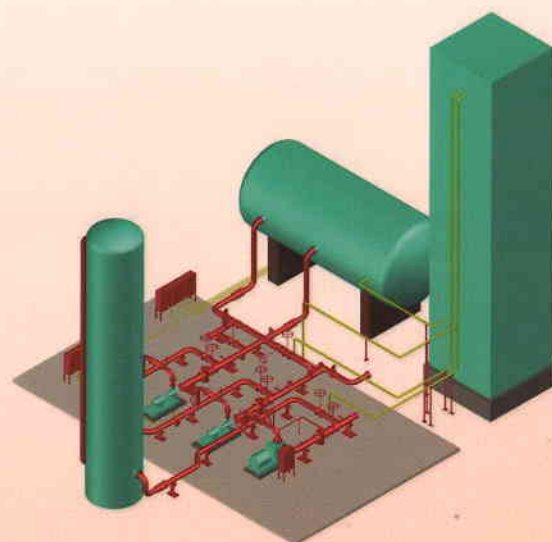
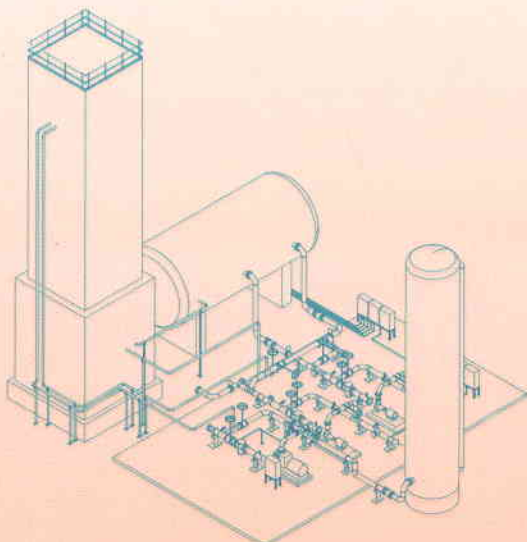
●●○ *Erection & Commissioning of Plants*

We specialize in fabrications & erections of DA Plants and Nitrogen Plant. We also indigenously manufacture complete plant set up at our branch in India.

● **DA Plant** Erection of Acetylene Plant with capacities from 50 to 100m³/hr. Complete with Filling Station



● **Nitrogen/Oxygen Plant** We manufacture Oxygen/Nitrogen Plants from 15m³/Hr to 500m³/Hr for filling high pressure oxygen/nitrogen gas in cylinders. For Info on further combinations of Plant specifications please contact us.



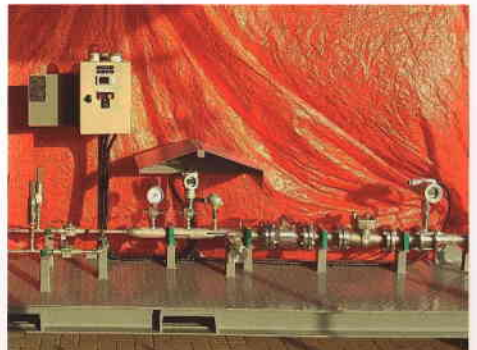
●●○ *Pressure Reducing Stations*

We are one of the most prominent manufacturers of pressure reducing manifolds/skids we exhibit quality through our design and manufacturing to deliver great precision in flow rates, pressure and other measurements. Incorporating high end specification of regulators, valves, instrumentation and accessories, we are able to construct an everlasting and reliable pressure lines and these are stations built on robust framework of stationary and mobile skids.



●●○ *Gas Blanketing Systems & Purging Operations*

With a professional engineering team and our robust fabrication facility we Design and manufacture pressure systems to cast a blanket through piping lines and vessels. These are capable of delivering vast volumetric amounts of liquid and gases at a controlled pressure. We design total solutions covering a pressure ranges of 300 bar g to 0.02 bar. Please contact us for in depth understanding and proposal.



●●○ *Decommissioning & Relocation of Plants*

We undertake projects of systematically relocating plants to new facilities. With a disciplined and stringent methodology, we've successfully carried our relocations of various plants to their new operational set ups.



●●○ *Modular Systems for Gas & Cryogenic Liquid Distribution*

With an ever changing requirement in the method of cryogenics and gas being supplied and distributed, we study, design and build systems incorporating latest models of regulators, our own custom designed reciprocating pumps, transfer pumps, bulk gas storage and supply vessels/tanks, buffer units, gas and liquid bundles, vaporizers, piping technology, etc. catering to specific needs for oil & gas, steel, propane packages, automation, medical, research industries,blanketing operations and gas mixtures.



●●○ *Vacuum Insulated Piping Systems*

We install and commission vacuum insulated systems covering endless range of specific requirements for flow, sizes, distances, pressure for delivering cryogenic liquid. Catering to Air separation plants, Medical facilities and pharmaceutical, Biological storage, Aerospace industry, Industrial gas plants, Food freezing industry, Research Laboratories. AMI is the authorized distributor and installer of our principle, *SPS Cryogenics B.V.* The Netherlands.



●●○ *Filling Stations – Industrial Gases & Cryogenics*

Having manufactured and installed over 140 filling stations across the GCC middle east, we exhibit 12 years of manufacturing experience of filling stations with improved technology in endless varying specifications. We even custom design to fabricate as per your facility's configuration and production needs.



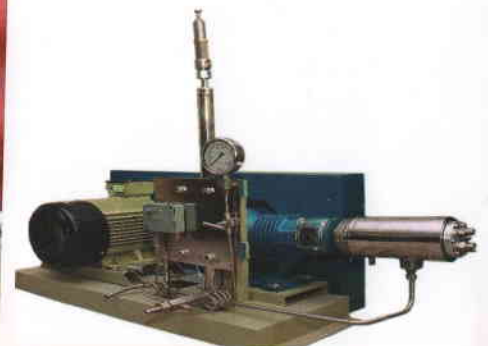
●●○ *Mobile Filling Stations*

Our design of durable and heavy duty filling stations of industrial and cryogenics are mounted on skids which are ideal for transportation via sea or by road for when fillings are needed at remote and/or at constant change in locations. We incorporate total filling solution of in these skids with every technical specification of products imaginable.



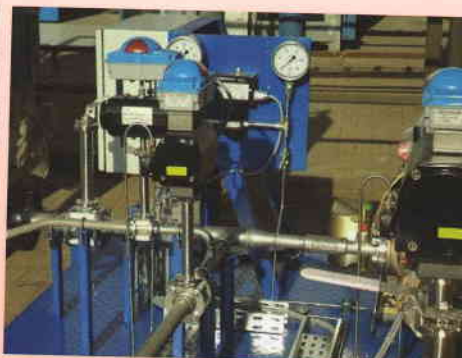
●●○ *Cryogenic Reciprocating PUMPS*

We have the Largest inventory in the middle east range of heavy duty cryogenic pumps stocked we are capable to delivering and installing these at any given time to get your filling started. These are designed and manufactured by a team of experts who've supported the industry with great experience to deliver with efficiency and reliability. We also carry out around the clock maintenance and repair services. Total Spare parts available at any point of time.



●●○ *Manifolds & Pipe Line Projects*

We design, fabricate and install an extensive range of manifold and pipe line works constructed from various materials, Instruments, regulators, valves. Catering to every industrial gas and cryogenic mediums & pressure ranges, we put in great efforts to build and install manifolds/pipes. Manifolds for – Racks, Pressure reducing lines, tubing works, control panels etc. Pipe lines of up to any large diameters, On field and underground trenches. All Certifications are available.



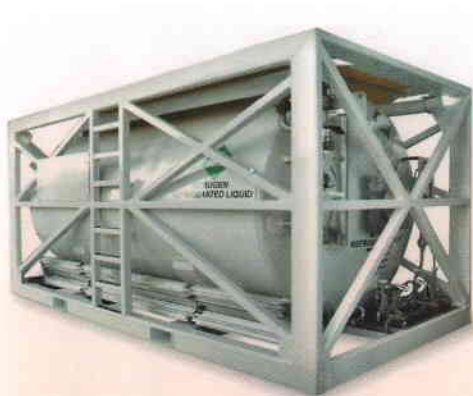
●●○ Racks | Quads | Gas Bundles

We've manufactured over 4,000 units of racks and gas bundles of numerous designs, Support you with a wealth of solutions for gas bundling & custom Rack framework and offshore requirements. With our most competitive price offering we carry the highest standards of manufacturing. Do not Hesitate to contact us for more Info.



●●○ Cryogenic Tanks

These are available in vertical and horizontal arrangements with capacities ranging from 1,000 to 500,000 liters with pressure range up to 34 bar. We Represent INOXCVA in the Middle East and are the largest stockiest for micro bulk tanks ready for dispatch, erection & commissioning. We also cater to your specific special requirements in layout of PBU, valves & instruments, full SS body, U stamp and other certifications. Road Tankers with filling pumps are available in a huge range to select from. Please contact us for more Info.



●●○ *Cryogenic Tanks Maintenance, Repair, VACUUM*

We undertake repairs and maintenance services for every Cryogenic Tank. We specialize in vacuuming and repairing for vacuum loss, damage repairs and valve & PBU maintenance works. With a heavy duty setup of vacuuming machinery, Our Professional team is dedicated to bringing great to - Cryogenic – Road Trailers, Vertical & Horizontal Tanks Dewars, Cold Ends, Nitrogen storage tanks.



●●○ *Vaporizers*

AMI is one of the leading stockist of vaporizers in the region for low and high pressure from 24 to 600 Kg/cm²g MAWP with a range of flow capacity from 50 to 5000 Nm³/Hr flow. We also design and fabricate mobile skids with any configuration of vaporizer specs and pressure reducing manifolds. Vaporizers for mediums LIN LOX LAR, LNG.



●●○ *Bulk Gas Supply | Filled Tanks & Cylinders*

Arrangements of Re-Filling of ALL Types of Cryogenic Liquid, Industrial gases and SF₆ can be supplied from small to bulk quantities through tanks [ISO/Micro Bulk/road Trailers] & cylinders. Along with Micro Bulk tanks, We're stockist of over 3,000 high pressure cylinders. We also export to any location. Please Contact us for more info.



●●○ *Cylinders*

We're having one of the largest inventory of high pressure cylinders of steel seamless. With over 3,500 cylinders at any given point and capacities of 50 liter and 40 liters. Working pressure of 150, 200 & 300 Bar. These are of Asian & E.U. Origins.



●●○ *Bio Banking*

Design supply installation and commissioning of [cryo freezer for biobanking](#). Designing, supply & commissioning of [cryogenic freezers](#), [back up cryogenic storage tanks/liquid cylinders](#). With In depth experience and expertise in our team, we install, nitrogen backup systems for -80 freezers simultaneous [filling systems](#) for [Cryogenic biobank biorepositories](#), filling stations, switch over devices, automatic filling stations, emergency stop / O2 detection with [alarm and monitoring systems](#)



●●○ *Laboratory Tubing/Piping Systems*

We design fabricate and install gas supply systems for laboratories specially dedicated to gas analysis, processing and production. Our design team, certified welders & precision skilled technicians undertake setting up of laboratories. We supply and install [Purifier Systems for Carrier Gases](#). Numerous efficient solutions and intelligent layout of tubing works are always exhibited alongside maintaining highest quality norms & standards.



●●○ Automatic Changeover Systems

We Supply & Install complete range of changeover systems, each selected specifically to serve the requirement and settings. Having installed numerous of such units, we additionally carry out setting up of source of gases or cryogenics and commissioning of our installations. We also design and supply semi-automatic and manual changeover systems.



●●○ Cryogenic Hoses | Flexible Hoses

Stainless Steel Flexible Hoses of Double or Triple braided specs with numerous combinations of end connection fittings. Even Armored, safety wires. Our sizes Range from 1/4" to 6" with ratings of pressure ranges up to 450 Bar. Complete with certifications we guarantee quality and durability.



●●○ N I T Fittings | Fittings for Cryogenics & Industrial Gases

We supply the complete range for NIT – Cryogenic Fittings along with an array of other cryogenic fittings. We also supply a range of fittings and connections for industrial gas cylinder valves. If you'd like specific designs in connections, our in-house team will machine these to your customized needs with certifications.



●●○ *Cryogenic Valves & Valves for Industrial Gases*

We have the Largest inventory of cryogenic globe valves for LIN LOX LAR LCO₂ services, ½" to 4" of Stainless Steel & Bronze Construct. Additionally, we also stock an inventory of wide range in ball valves and needle valves material Constructs of SS316, Mild Steel, Bronze. Pressure ranges up to 6000 psi and sizes of up to 6". For all Cryogenic and industrial gas services.



●●○ *Pressure Regulators | Pressure Control Valves*

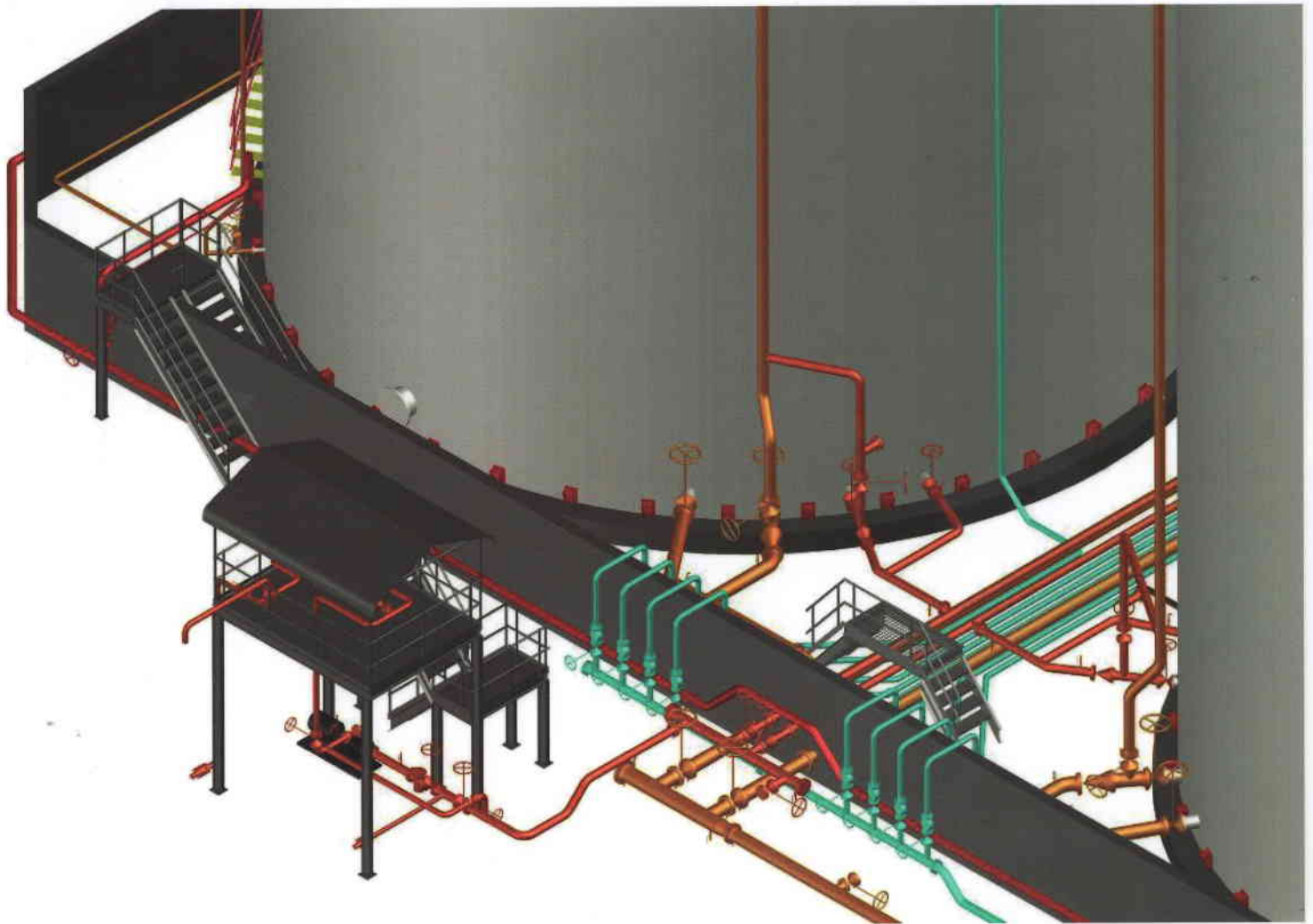
With a spectrum of ranges in pressure regulators' specifications at our stock, we supply with the correct selection for your desired flow and pressure. Outlet Delivery extremely precise and as low as 0.02 Bar. We supply for cryogenics and industrial gas services.



●●○ *Gas Mixture Facilities – Specialty Gases*

We at AMI, design, supply and install Specialty Gases Facilities with up to 10 component mixtures in accordance to requirements. These are by volumetric and gravimetric methods. With an experience of over 40 years, we guarantee our system to deliver the results. Please do not hesitate to contact us for further information.





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