



لفاق للتبريد وتكييف الهواء

Laffan Refrigeration and Air Conditioning Company

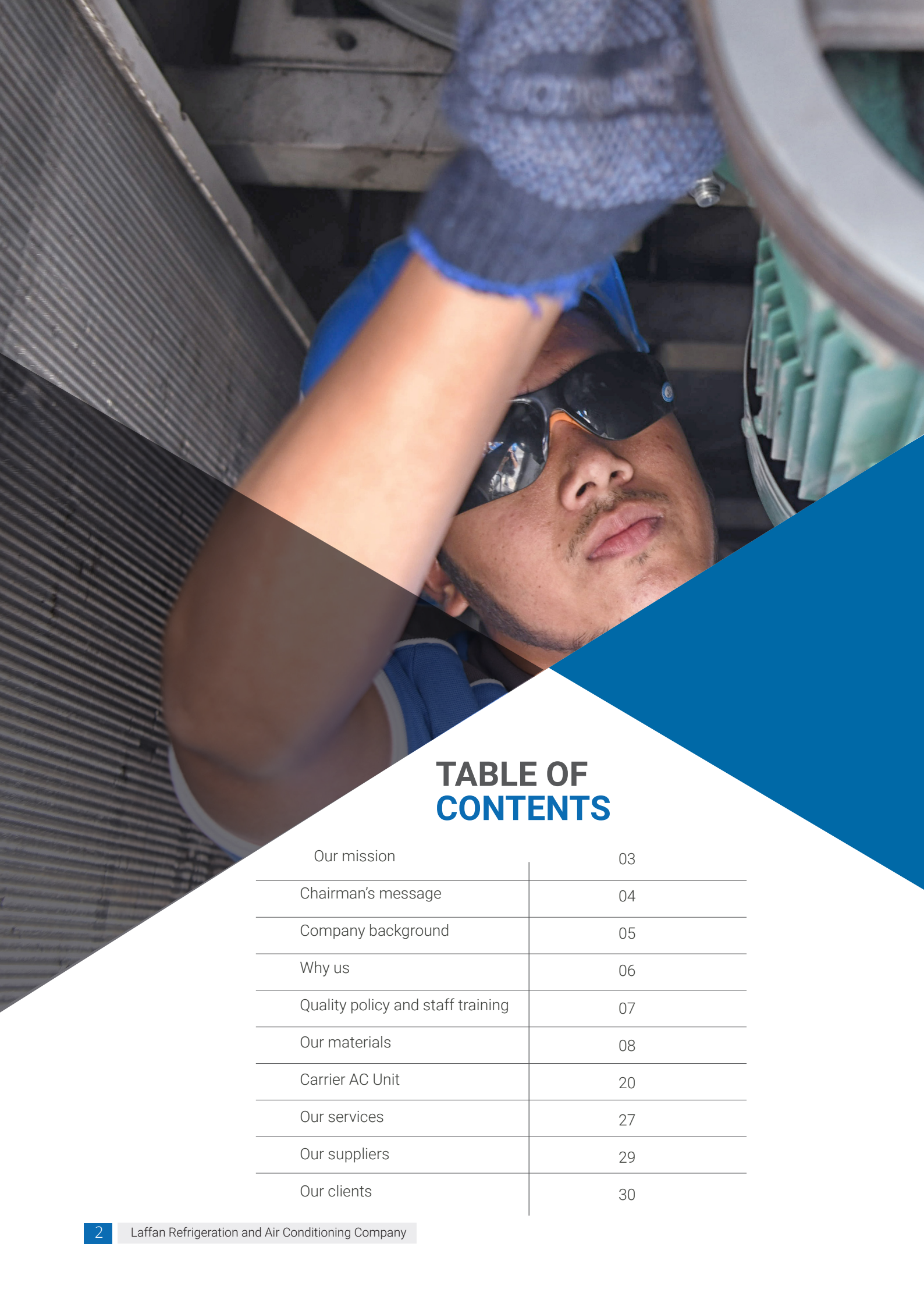


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OUR MISSION

Our mission is to establish Laffan Refrigeration as the market leader in Qatar by redefining the dynamics of trust, reputation, customer service, honesty and transparency which inspire our values and business principles.

We strive to provide excellent service standards to our customers, coupled with proficient and cost-effective solutions with no compromise on quality

We are determined to contribute and be part of country's promising future. We are always open to business and to new ideas, because we believe, an open mind is one that can take full advantage of opportunities, and it's amazing what you can achieve, when you work together.

OUR VISION

- To be the most admired company in the region by continuously upgrading our capabilities in every sphere of our activity to delight our customers & stakeholders
- To deliver the best quality products and services in the industry.
- To emerge as one of the best solution partners in the Trading, MEP, and Facility Management world.
- Continuous improvements in our company to meet the growing demands and expanding technologies all over Qatar.



CHAIRMAN'S MESSAGE

We as Laffan Refrigeration and Air Conditioning Company take pride in being one of the leading engineering firms in the State of Qatar having achieved remarkable growth in a short span and contributing significantly to the development of the State.

The Company has left its mark in the field of construction and engineering through competitiveness and timely delivery with high quality standards and recognized safety performance. We have a long tradition of serving our valued customers to their complete satisfaction through efficient management and excellent workmanship, which we continue to maintain with the untiring efforts of our management and employees. We recognize how important it is to find and recruit the best people for our business, but more crucially we also place a large emphasis on developing our employees' skills and careers through various training programs. As we look to the years ahead we renew our pledge to remain committed to excellence, keep abreast of changes and innovations, adopt better management and construction techniques and successfully overcome all challenges before us.

Best Regards,

Yousuf Abdulla Al – Aali
Chairman

COMPANY BACKGROUND

With a small and humble beginning in 1983, Laffan has come a long way through a huge transformation, overcoming a multitude of challenges. Thanks to the tireless efforts of our executive management team and several of our dedicated employees, today we can take pride in the strength of our service capabilities, organizational values, vision and innovative thinking that we are in a position to take definitive steps towards participating in Qatar's sustainable and ambitious growth strategies.

We are committed to deliver the highest quality and achieve total client satisfaction through world-class professional standards and efficiency. Our highly qualified and experienced engineers provide the best service. We are well equipped with all kinds of infrastructure and other facilities to handle multiple high volume projects in the State. Our work encompasses multitude of simple and complex projects that require attention to specific details, thorough knowledge of the requirements, strategic planning, abundant resources and efficient execution.

In addition to maintaining leadership in the Construction industry, we are committed to increase our market share into other sectors through strategic alliances with national and international reputed companies. This has lifted our capability as a specialised company to execute all kinds of complex large electromechanical projects and maintenance works.

We are always open to new projects and looking forward to our clients on new opportunities.





WHY US

- 100% Qatari ownership
- More than 37 years in operation with impeccable reputation and excellent customer service
- ISO 9000:2015 certified
- Zero recorded incidents for all our projects
- 24/7 dedicated hotline for technical support
- Health and safety certified team
- Personalised service with competitive price





QUALITY POLICY

- Ensure execution of each projects as per requirements
- Provides good quality products and services to the complete satisfaction of our customers
- Utilize appropriate resources including skilled personnel, equipments and materials for fulfilling customer needs
- Prevent environmental pollution, reducing waste and recycle materials with objective of minimizing the impact of our activities on the environment
- Maintain healthy and safe working condition for our employees, customers, and contractors

STAFF TRAINING

We regularly offer various trainings to our staff to develop and improve professionalism.

MANAGEMENT TRAINING

We conduct training programme to our management team on quality control, increase productivity, annual planning , business development, budgeting and interpersonal skills.

HEALTH AND SAFETY TRAINING

We take health and safety very seriously for our staff and clients. Our staff safety training includes scaffolding, working at height, basic fire-fighting, first aid and CPR.

TECHNICAL TRAINING

Our in-house engineers in cooperation with Carrier regularly offer technical training to all supervisors and technicians to share industry best practices and technical expertise.



OUR SERVICES

With our highly skilled HVAC design engineers and project delivery managers, we offer complete services from the initial conceptual discussions, installation, right through testing and commissioning for retail, residential, commercial and government buildings. We are one of the premier maintenance and service providers in Qatar. Our clients turn to Laffan for ongoing support, occasional service, and personalized maintenance programs.

HVAC-R SERVICES

HVAC-R DESIGN AND INSTALLATION

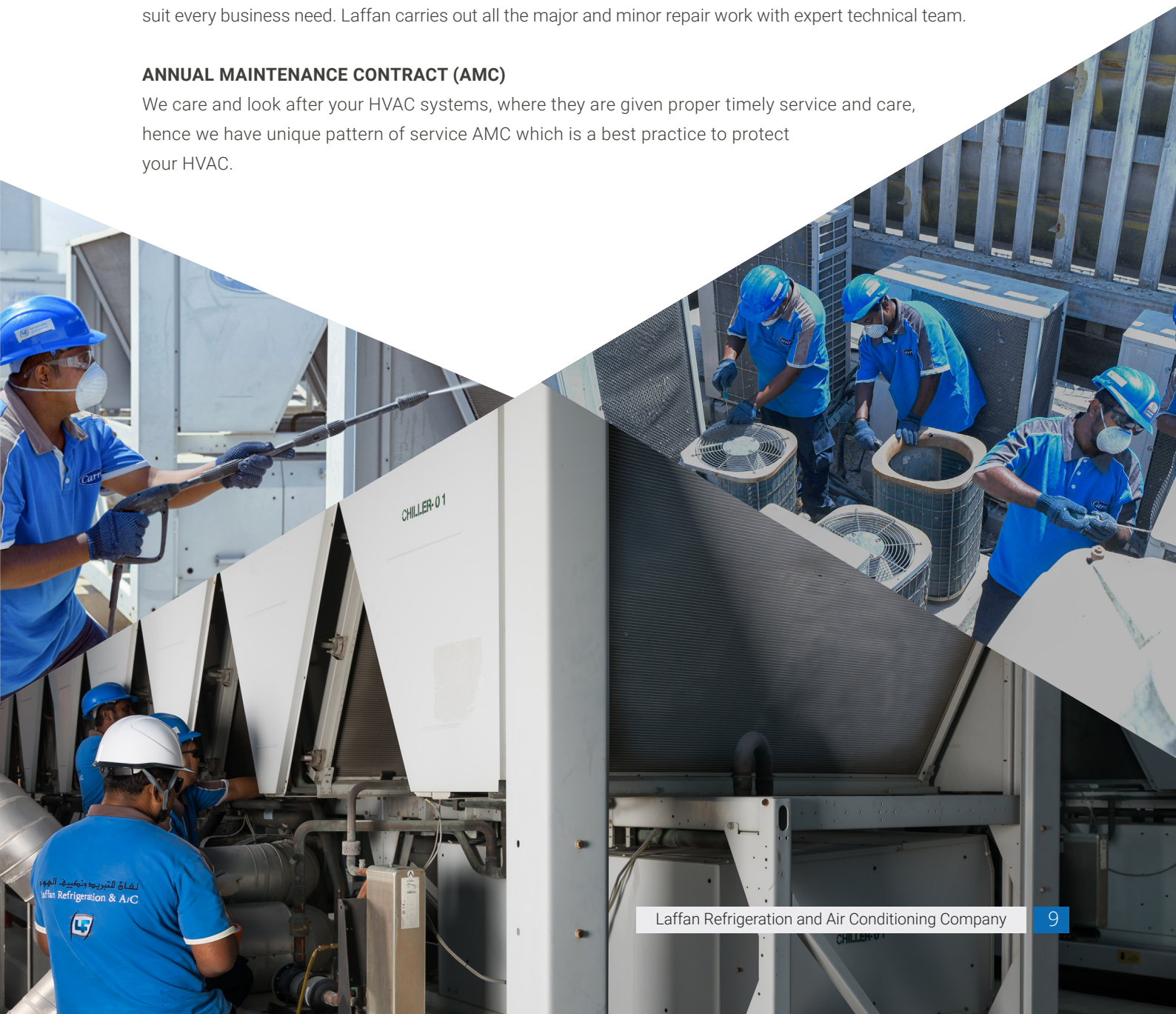
Refers to the mechanical systems used in the heating, ventilation, air conditioning and refrigeration. It consists of Supplying, installing, maintaining and repairing climate-control devices such as air conditioners, furnaces, dehumidifier, refrigerators and freezer units. Industrial and commercial HVAC-R systems include such components as air ducts, diffusers, piping, vents and thermostats.

HVAC-R MAINTENANCE

Our Technical team provides after sales service 24-7 throughout the country. We tailor our maintenance contracts to suit every business need. Laffan carries out all the major and minor repair work with expert technical team.

ANNUAL MAINTENANCE CONTRACT (AMC)

We care and look after your HVAC systems, where they are given proper timely service and care, hence we have unique pattern of service AMC which is a best practice to protect your HVAC.



DUCTWORK SERVICES

A Duct system is important when it comes to HVAC systems on industrial buildings and residential properties. Ducts are comprised of several tubes that transfer cooled and heated air from HVAC appliances to the different rooms in your house

DUCTWORK INSTALATION

We prepare and install duct to enhance home comfort by making sure that room temperatures are kept consistent. In proving our professional service, we are keen on satisfying our customer with the help of our specialist technical teams to get the best operation and maintenance as per the manufacturer recommendation with professionals.

AIR DUCT CLEANING

The service involves state of the art, industrial grade vacuums that remove deposits of dust and dirt through a powerful negative pressure system, emptying the space's HVAC system of pollutants and build-up. It's recommended to clean the air ducts every two years for residential spaces and annually for commercial buildings. This is to help keep the space free of dust, dirt, and pollutants that circulated in closed spaces, setting on furniture, windows and fixtures until it is removed.

TESTING & COMMISSIONING

Our company carry out testing commissioning service for all ductworks, all the DX systems, chillers with specialist technical team to provide highest quality service as per the design data and client recommendation.





COLD ROOM FREEZER

We are specialized for designing, installing, repairing and maintaining a refrigerating chamber or cold room is a warehouse in which a specific temperature is artificially generated. It is generally designed for storing products in an environment below the outside temperature we classified in 3 different categories:

RETAIL REFRIGERATION

Whatever the size of retail business, refrigeration equipment is fundamental to the effective running of the business. The products and services we offer includes, Supply and install of supermarket cases: Display fridges and freezers Cold rooms and freezer rooms, Service/Planned maintenance.

COMMERCIAL REFRIGERATION

We specialize in green energy and take pride in finding cost-effective solutions for the refrigeration needs of our commercial clients: Breakrooms, Restaurants, Cafeterias, and Corporate Events.

INDUSTRIAL REFRIGERATION

From advice, proposal drawings, engineering, and calculations during the preparation phase of a project, to the detailed engineering, installation management and operational testing.

OUR PRODUCTS

Laffan Refrigeration & Air Conditioning Company understand your needs, tailor your perfect solutions and guarantee your satisfaction. For us you're not a client, we deal with you as a partner and we create the future of our & your business together. Day after day technology invent new solutions and products, we keep our eye on every business corner to bring the best for you. Our products range covers A to Z solutions and accessories, including but not limited to:

BRAZING ALLOY AND FLUX



Brazing is the process of joining two independent pieces of metal to form one strong load-bearing joint. It is similar to soldering, but at higher temperatures. Use the right brazing rod material for the metal used in your project. Our main supplier is Harris from USA who is a world leader in metal working products used in the brazing, soldering, welding, cutting and gas distribution industries. They are a major supplier of brazing and soldering alloys and welding consumables in Qatar.

Types	Flux Coated (45%) / Normal (0%)
Pcs / Box	0% (28 Pcs per Tube) or 45% (9 Pcs per Tube)
Sizes	1/16" x 18" Flux Coated (1.59 mm x 457.20 mm Flux Coated) 4 oz. (113.40 g) / .050" x 1/8" x 20" (1.27 mm x 3.18 mm x 508 mm)
Colour	Blue / Copper

SOFT COPPER COIL

Copper coil provides the strength, precision and cleanliness needed for the demanding conditions of HVAC and refrigeration applications. Our main supplier are Cambridge-Lee Industries, Totalline and Lawton. Cambridge-Lee Industries is one of the world's largest distributors of Copper piles, Totaline is the Korean based company distributing copper coils and pipes and Lawton is a leading independent manufacturer and distributor of copper tube in the UK.



Types	Standard & Economy
Size Range	1/8 inch to 1-1/8 inch
Thickness	0.61mm to 1.02mm
Length Available	50Ft (15Mtrs)
Standard	ASTM B280
Packaging	End capped, Double layer coiled and shrink wrapped.

COPPER PIPE



Copper pipes are commonly used in the construction industry for water supply lines and refrigerant lines in HVAC systems. Our main supplier are Cambridge-Lee Industries, Totalline and Lawton. Cambridge-Lee Industries is one of the world's largest distributors of Copper piles, Totaline is the Korean based company distributing copper coils and pipes and Lawton is a leading independent manufacturer and distributor of copper tube in the UK.

Types	Standard
Size Range	3/8 inch to 4-1/8 inch
Thickness Range	0.51mm to 2.41mm
Length Available	20Ft (6Mtrs)
Standard	ASTM B280
Packaging	End capped

COPPER FITTINGS

There are many different types of copper fittings, each serving a particular function. These fittings are connected directly to a copper pipe. Copper 45° & Copper 90° Elbows are also used to change the direction. Couplings are used to connect two pieces of copper pipe together. Caps are used to cover the outside end of a copper pipe. Tee fittings are used to either combine. They are also used to connect pipes of different diameters or for changing the direction of pipe runs.



Types	Copper Elbow 90°, Copper Elbow 45°, Copper Coupler, Copper Tee, Copper Reducer, Copper P-Trap.
Size Range	1/4 inch to 3-1/8 inch
Standard	ASTM B75 Alloy C12200
Pressure	UL 207 Recognized to 700 PSI

COMPRESSORS



The purpose of the compressor is to circulate the refrigerant in the system under pressure, this concentrates the heat it contains. At the compressor, the low pressure gas is changed to high pressure gas. We provide compressors from LG (Korea), Panasonic (China), Mitsubishi (Thailand), Danfoss (Thailand), Tecumseh (India), and Copeland (Thailand).



Types	Scroll / Rotary / Reciprocating / Screw / Centrifugal
Capacity Range	2HP to 30HP
Voltage Range	220V-240V (1PH), 380V-415V (3PH)
Frequency	50HZ / 60HZ
Application	Commercial / Residential Refrigeration and Air conditioning
Storage	It is to keep in a cool and dry place, without being exposed to heat

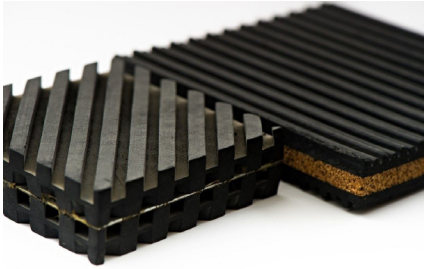
FILTERS

A filter that removes particles and impurities from the air: such as an apparatus designed to improve the quality of circulating air by filtering out impurities once the air is returned to the furnace fan, it is pulled through air filters to remove dust and dirt. Our supplier is Z-FLEX from China. It provides rubber insulation products such as Filters, Self-Adhesive Rolls, Pipe insulation sections, Polyolefin Foam Rolls and



Material	Aluminium / G.I
Product	Bag Filter / Aluminium Filter / Synthetic Filter / Carbon Filter
Size Range	All Standard Sizes available / Customize as per client requirement

RUBBER PADS

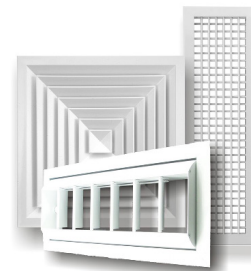


Rubber pad forming (RPF) is a metalworking process where sheet metal is pressed between a die and a rubber block, made of polyurethane. Under pressure, the rubber and sheet metal are driven into the die and conform to its shape, forming the part. The rubber pads can have a general purpose shape, like a membrane. Our suppliers are Richfield from India which is the manufacturer of

Material	Steel / Cork / Plain Rubber
Product	Rubber Pads
Capacity of bearing	2HP to 30HP
Size Range	3 inch to 18 inch
Thickness Range	3/8 inch to 7/8 inch

DIFFUSERS

Diffusers are used on both all-air and air-water HVAC systems, as part of room air distribution subsystems, and serve several purposes: To deliver both conditioning and ventilating air. Evenly distribute the flow of air, in the desired directions. To create a low-velocity air movement in the occupied portion of the room.



Material	Aluminium / G.I
Product	Diffusers, Grills & Registers, Louvers, Dampers
Size Range	All Standard Sizes available / Customize as per client requirement
Colour	White / Black / Grey

NBR RUBBER INSULATION



The Elastomeric Foam Pipe Insulation is for Refrigeration, HVAC and Plumbing. The moisture-resistant characteristics make it especially valuable on chilled-water and refrigeration piping where condensation might otherwise soak through fibrous types of insulations, significantly degrading their thermal performance, leaving them susceptible to fungal growth and ultimately

NBR TUBE INSULATION

Closed-cell elastomeric tube insulation product used to conserve energy and prevent condensation on piping applications.



ID Range	Steel / Cork / Plain Rubber
THK Range	1/4 inch to 6 inch
Length	1.83 Meters Long / 2.00 Meters Long
Qty / Box	Quantity of tube length based on international standard
Type	Standard Plain / Slit Adhesive / Aluminium Foil Cover.

NBR SHEET ROLL

Rubber Insulation sheet roll. Mould resistant AP/Sheet & Roll Insulation is a flexible elastomeric thermal insulation, black in colour.



THK Range	1/4 inch to 6 inch
Width	1 Meter / 1.2 Meters
Length	10+ Meters (Roll Can produce upon client request).
Type	Standard Plain, Self-Adhesive, Aluminium Foil Face

NBR SHEET BOX

Rubber Insulation sheet. Mould resistant AP/Sheet & Roll Insulation is a flexible elastomeric thermal insulation, black in colour.



THK Range	1/4 inch to 6 inch
Width	1 Meter / 1.2 Meters
Length	10+ Meters (Roll Can produce upon client request).
Type	Standard Plain, Self-Adhesive, Aluminium Foil Face

TAPE



We offer an extensive selection of high-performance pressure-sensitive tapes suitable for most demanding dynamic and static applications including bonding, bundling, damping, enhancing, protecting, reinforcing, shielding, masking and splicing. Our main supplier Airmaster from India which offers excellent product performance and is widely used in Qatar for MEP projects.

PVC PIPE WRAPPING TAPE

PVC Tape is designed for industrial use of pipe wrapping, underground pipeline, conduit corrosion, good resistance to moisture, humidity, corrosion and temperature variations.



Width	2 inch (50mm).
Length	100 Ft
Adhesive Type	Water Acrylic / Solvent Based Adhesive
Roll / Box	2 inch x 60 Rolls / Box.
Colour	Black

ALUMINIUM FOIL TAPE

Aluminium Tape is a soft aluminium foil coated with Rubber Resin pressure-sensitive adhesive of high shear and excellent adhesion and self-wound on a release liner.



Width	2 inch / 3 inch
Length	25 yards / 30 yards
Adhesive Type	Water Acrylic / Solvent Based Adhesive
Roll / Box	2 inch x 24 Rolls / Box or 3 inch x 16 Rolls / Box.
Colour	Plain Aluminium

NBR FOAM TAPE

Nitrile Butadiene Rubber (NBR) general purpose foam pipe wrap insulation tape designed for hot or cold pipe Insulation application.



Width	1 inch (25mm) / 2 inch (50mm)
Length	7.5Mtrs
Adhesive Type	Water Acrylic / Solvent Based Adhesive
Roll / Box	1 inch x 48 Rolls / Box or 2 inch x 24 Rolls / Box

XLPE THERMOBREAK ROLL



XLPE Foam is chemically cross linked foam. It is produced in continuous rolls resulting in a foam product with uniform dosed cells and smooth skins on both sides. It is lightweight, flexible and soft to touch, yet strong, tough, resilient and resistant to moisture, many chemicals and temperature extremes. The PE polymer experience high temperature foaming after extrusion. Cross-linked and foaming at the same time. Our main supplier is Airmaster from India.



Material	Closed Cell Cross Linked Polyolefin Foam
Density	25Kg/m ³ – 35Kg/m ³
Thickness	1/2 inch (13mm) & 1 inch (25mm)
Width	1 Meter / 1.2 Meters
Length	10+ Meters Roll
Type	Alupet cover & Self Adhesive backside

SELF-ADHESIVE STICK-UP PINS



Grip nails are self-adhesive fasteners. They are widely used in HVAC systems primarily for fixing external thermal insulation and internal acoustics liner onto the duct surface. Our suppliers are Richfield from India and Duraduct from India. Richfield is the manufacturer of Duraduct provides Stick Pins with excellent product performance and is widely used in Qatar for MEP projects.

Plate Size	50 x 50mm / 35 x 35mm
Nail Size	2.7mm Diameter
Size Range	1.1/4 inch to 3 inch
Material	Aluminium Alloy
B. Metal	Hot Galvanized Steel Sheet Base Metal
Adhesive	Acrylic based Adhesive

FIBERGLASS PIPE, ROLL AND BOARD



Fiberglass insulation has been used as a thermal and acoustical insulation in forced air heating, ventilating and air-conditioning systems. Our main supplier is KIMMCO from Kuwait. They provide insulation solutions for HVAC, building (roofs, walls, floors, metallic buildings) and Technical/industrial applications. The major products are Fiberglass pipe insulations, Fiberglass Sheet Roll

FIBERGLASS PIPE INSULATION

Performed sections are made of glass fibres bonded with a heat resistant resin, free from the shot and coarse fibre, light in weight, damage-resistant, easy to handle, cut



ID Range	1/4 inch (6mm) to 6 inch (150mm)
THK Range	1 inch (25mm) & 2 inch (50mm)
Density	64Kg to 96Kg
Length	1.2 Meters Long
Type	Aluminium Foil Cover

FIBERGLASS SHEET ROLL INSULATION

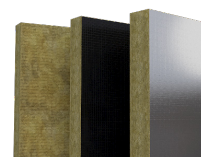
A form of flexible rolls, semi-rigid, and rigid slabs manufactured from stable glass bonded with thermosetting resins, and free from coarse fibres and shot.



Type	Aluminium Foil Cover
THK Range	1 inch (25mm) & 2 inch (50mm)
Density	24Kg to 48Kg
Length	10 to 20 Meters Long
Width	1.2 Meters

FIBERGLASS BOARD INSULATION

A form of flexible rolls, semi-rigid, and rigid slabs manufactured from stable glass bonded with thermosetting resins, and free from coarse fibres and shot.



Type	Aluminium Foil Cover
THK Range	1 inch (25mm) & 2 inch (50mm)
Density	24Kg to 96Kg
Length	1.2 Meters Long
Width	1Meters

REFRIGERANT GASES



A refrigerant is a substance or mixture, usually a fluid, used in a heat pump and refrigeration cycle. In most cycles it undergoes phase transitions from a liquid to a gas and back again. Many working fluids have been used for such purposes. Our suppliers are Refron, Floron, Honeywell and Galco.



Ranges	R22, R134a, R410a, R407c, R404a, R141b
Refrigerant Can	450g to 650g
Disposal	10.9Kg / 11.3Kg / 13.6Kg
Purity	99.9%

CAPACITORSW



A run capacitor uses the charge in the dielectric to boost the current which provides power to the motor. It is used to maintain a charge. In AC units, there are dual run capacitors. Our main supplier is Seacon from India. Seacon provides all types of capacitors for HVAC system.

Nominal Capacitance	1 uf to 65uf & Combine 25+5 to 65+5
Rated Voltage	440 VAC
Frequency	50/60Hz

FLEXIBLE DUCTS



Flexible duct is used for thermal insulation, heating, ventilating and air conditioning systems for residential and commercial applications. Our main supplier is Airmaster from India which offers excellent product performance and is widely used in Qatar for MEP projects. Flexible ducts can be available in three varieties such as un-insulated aluminium duct, insulated aluminium duct and semi-rigid aluminium duct.

UN-INSULATED ALUMINIUM DUCT

Un-insulated flexible ducts available in single layers, double layers and combination of polyester fabrics with high tensile steel wire.



Diameter	3 inch (80mm) to 16 inch (406mm)
Air Velocity	30m/s (Max)
Temp. Range	-30 to +150
Operation Pressure	3000Pa (Max)
Standard Length	7.5Mtrs

INSULATED ALUMINIUM DUCT

Available in single layers, double layers and combination of PET Black / polyester fabrics with high tensile steel wire and metalized polyester vapor barriers.



Diameter	3 inch (80mm) to 16 inch (406mm)
Air Velocity	30m/s (Max)
Temp. Range	-30 to +150
Operation Pressure	3000Pa (Max)
Fiberglass Density	16Kg/m ³ to 32Kg/m ³
Fiberglass	1 inch (25mm)
Standard Length	7.5Mtrs

SEMI-RIGID ALUMINUM DUCT

Semi-Rigid Aluminium Duct manufactured from pure Aluminium corrugated strips, spirally wound, to produce a double over-lapped joint to prevent uncoiling in use.



Diameter	3 inch (80mm) to 16 inch (406mm)
Air Velocity	30m/s (Max)
Temp. Range	-30 to +250
Operation Pressure	2500Pa (Max)
Thickness	80 / 90 / 100 Micron
Standard Length	3 Mtrs

DUCT CLOTHS



Canvas is a plain-woven fabric typically made out of cotton and, to a lesser extent, linen. It is known for being durable, sturdy, and heavy duty. By blending cotton with synthetic fibres, canvas can become water resistant or even waterproof, making it a great outdoor fabric. Arena House from Pakistan provides insulation coating cloths for HVAC and Technical/industrial applications.

CANVAS CLOTH

Canvas is commonly used with mastics or coatings to provide a protective barrier over pipe and duct insulation.



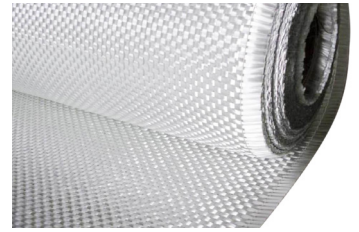
Quality # 1	6oz
Construction	(22 x 22 / 9 x 9) - 100% Cotton Greige
Length	20 Yards to per roll

Quality # 2	8oz
Construction	(18 x 18 / 9 x 9) - 100% Cotton Greige
Length	20 Yards to per roll

Quality # 3	4oz
Construction	(38 x 38 / 30 x 40) - 100% Cotton Greige
Length	20 Yards to per roll

GLASS CLOTH

Fiberglass duct wrap is applied to the outside of sheet metal duct. It is a blanket-type thermal insulation composed of glass fibres bonded together with a thermosetting resin.



Quality	200 Grms
Tensile Strength	(240 x 270) – Glass Fiber Fabric
Length	100 Meters

DUCT COATING, SEALANT & ADHESIVE



Duct Coating provides a protective finish for insulation on air conditioning ducts and cold water piping when applied in 2 coats with reinforcing fabric embedded between coats. Duct Sealant is a fire-resistive, fibrated water based, indoor/outdoor vapour barrier sealant for low, medium and high velocity heating and air conditioning ducts. It performs as a tough and flexible adhesive and sealant. Our main suppliers are Foster from USA and Airmaster from India.

DUCT COATING 30-36

30-36 is a flexible adhesive and sealant, forming a durable seal against air leakage. It can be used where the humidity level had to be sustained at or above 90%.

Duct Sealant 32-17

Fire retardant, aqua based, vapor barrier sealant for low, medium and high pressure or high velocity- metal, fiber-glass and flexible heating and air conditioning air ducts, forming a durable seal against air leakage.

Duct Glue 81-10

81-10 is inflammable, one component adhesive based on synthetic modified rubber with special additives.

SUNISO OIL



Recommended by most major equipment manufacturers and refined from especially selected naphtenic base oils. Highly stable, essentially wax free, thus providing excellent low temperature properties and assuring long trouble-free life. Suniso GS oils can be used in virtually any installation, regardless of compressor or evaporation temperature and are miscible with (H)CFC refrigerants and natural refrigerants.

Suniso GS oils can be applied in commercial as well as in residential refrigeration and air conditioning systems.

- Chemical stability to extend service life, reducing maintenance costs.
- Cleaner operation of the compressor with fewer deposits and failures due to valve sticking.
- Excellent low temperature performance with no wax deposits to plug the system.
- Approval by most major equipment manufacturers.

CARRIER

AC UNITS



Carrier Corporation is a brand of the UTC Climate, Controls & Security division, based in Palm Beach Gardens, Florida. Carrier was founded in 1915 as an independent, American company, manufacturing and distributing heating, ventilating and air conditioning (HVAC) systems, as well as commercial refrigeration and food service equipment.

HIGH WALL UNIT AC

Carrier's High wall units are well designed for residential, office spaces, retail and other small building applications by our experts to provide the best in-room temperature. These units are easy to install, operate quietly and has a significant energy-efficient operation.

TYPES: 42/38KHB (CHINA)

TECHNICAL SPECIFICATIONS

Unit Capacity	1.5 TR, 2.0 TR, 2.5 TR, 3.0 TR
Power Supply	220-240/150
Air Filter Type	Washable Air Filter
Compressor	Rotary (1.5 TR, 2.0 TR, 2.5 TR)/Scroll (3.0 TR)
Refrigerant	R410A
Max Temp.	52C



TYPES: 42/38KHB (KOREA)

TECHNICAL SPECIFICATIONS

Unit Capacity	1.5 TR, 2.0 TR, 2.5 TR, 3.0 TR
Power Supply	220-240/150
Air Filter Type	Dust Collector
Compressor	Rotary (1.5 TR, 2.0 TR, 2.5 TR)/Scroll (2.5 TR)
Refrigerant	R410A
Max Temp.	52C



WINDOW UNIT AC

Carrier's Window Room Air Conditioners provide exceptional cooling power keeping your loved ones cool and comfortable. These units operate at extreme low noise levels with a variable speed control system to maintain ideal room temperature at all times.

TYPES: 51KWF (CHINA)

TECHNICAL SPECIFICATIONS

Unit Capacity	1.5 TR, 2.0 TR
Power Supply	220-240/1-50
Air Filter Type	HEPA
Compressor	Rotary (1.5 TR, 2.0 TR, 2.5 TR)/Scroll (3.0 TR)
Refrigerant	R410A
Max Temp.	52C



FREE STAND AC

The Free Stand Air conditioner of Carrier is simple and sleek with a great deal of features to keep large rooms or halls cool. These systems are equipped with functions to maximise its operational efficiency across large spaces.

TYPES: 542/38 SFL7C - 42/38 SDL6C (KOREA)

TECHNICAL SPECIFICATIONS

Unit Capacity	4.0 TR, 5.0 TR
Power Supply	400-415/3-50
Air Filter Type	Dust Collector
Compressor	Scroll
Refrigerant	R410A
Max Temp.	52C



DUCTED SPLIT AC

Carrier puts comfort where you need it with the Ducted Split Air conditioning unit. These fit in seamlessly for a wide range of residential HVAC needs, be it in-ceiling, under-the floor or vertically in the wall.

TYPES: 42/38 KSM (CHINA)

TECHNICAL SPECIFICATIONS

Unit Capacity	1.5 TR, 2.0 TR, 2.5 TR, 3.0 TR, 4.0 TR, 5.0 TR
Power Supply	220-240/1-50
Compressor	Scroll (1.5 TR, 2.0 TR, 2.5 TR) /
	Scroll (3.0 TR, 4.0 TR, 5 TR)
Refrigerant	R410A
Max Temp.	54C



TYPES: 42 FB4C/38 CKM

TECHNICAL SPECIFICATIONS

Unit Capacity	1.5 TR, 2.0 TR, 2.5 TR, 3.0 TR, 4.0 TR, 5.0 TR
Power Supply	220-240/1-50 (1.5 TR, 2.0 TR, 2.5 TR),
	400-415/3-50 (3.0 TR, 4.0 TR, 5 TR)
Compressor	Scroll (1.5 TR, 2.0 TR, 2.5 TR, 3.0 TR, 4.0 TR, 5 TR)
Refrigerant	R410A
Max Temp.	52C



CASSETTE TYPE AC

Cassettes are well in demand for various commercial applications, such as restaurants, hotels, offices and meeting rooms. It has an efficient airflow system, which ensures a uniform temperature distribution around the entire room. Also, it has an independent vane control technology, hence controlling the air flow direction for any room layout.

TYPES: 42 KTD (CHINA)

TECHNICAL SPECIFICATIONS

Unit Capacity	1.5 TR,2.0 TR,3.0 TR,4.0 TR
Power Supply	220-240/1-50
Air Filter Type	Nylon Fiber Filter
Compressor	Rotary (1.5 TR,2.0 TR) / Scroll (3.0 TR,4.0 TR)
Refrigerant	R410A
Max Temp.	52C



PACKAGE UNIT

Carrier's Package Unit is a complete package. It is a reliable machines built to meet your HVAC system requirements at any circumstance. Apart from this, it has many other features as well such low operating cost, flexible heating and cooling options and easy installation.

TYPES: 50EN (SPAIN)

TECHNICAL SPECIFICATIONS

Unit Capacity	12.5TR,14.5TR,17.5TR,20.5TR,25.5TR,29.5TR
	32.0TR, 37.5TR, 43.5TR, 48.5TR, 55.0TR,
	62.0TR, 73.0TR, 80.0TR
Nominal Supply:	400-3-50
Voltage Range	360-440
Eurovent	Indoor air wet bulb 19C
	Outside air temperature 35C
Compressor type	Scroll





OUR SUPPLIERS

We have allies all over the globe to bring you the state-of-art technologies and best practices that will render your facilities efficient combined with cost-effective operation and long live assets. Here are the most common brands of our international and regional allies.





Copeland®

dixell®

Danfoss


EMERSON™
Climate Technologies


air master

embraco


HARRIS

 **LG**

Honeywell


KIMMCO
means insulation!


**MUELLER
STREAMLINE CO.**

NIBCO®

Refron
GL

 **ROTHENBERGER**

SCORPIO
INTERNATIONAL

SIEMENS

Z-FLEX

OUR CLIENTS

In more than 37 years of operation, we worked in a wide range of projects for small and large national and international clients. Here are a list of our selected clients.



الهيئة العامة للجمارك
General Authority of Customs



MANNAI TRADING CO. WLL

Member of Mannai Corporation QPSC



شركة آل عجاج المحدودة ذ.م.م







CONTACT US

Showroom

Unit 16 of Building No. 101
Al Azizya (Zone 55)
Othman Bin Affan St (180)
Doha, Qatar

+974-44421311 (Tel)
+974-44420330 (Tel)
+974-44421020 (Fax)

Store

St. No. 15
Gate 278
Industrial Area
Doha, Qatar

+974-44607970 (Tel)
+974-44421020 (Fax)

Opening Time

Sat - Thu
7:30 am - 12:00 pm
3:00 pm - 7:00 pm

info@laffanref.com
www.laffanref.com

