



ليجان لتجهيز الابنية بالمواد العازلة (ش.ذ.م.م)

**Lijan
Insulation**

CONTRACTING LLC

Insulation & Climatization Experts



ISO 9001

BUREAU VERITAS
Certification





LIJAN Group of companies, headquartered in Dubai, United Arab Emirates, provides turnkey solution in all types of Insulation and Architectural Installation to marine and industrial Projects. The group professionally manages the following companies.

Lijan Insulation Contracting LLC - U.A.E

Dubai - Tel. 00971 4 267 4966 Fax 00971 4 267 5477

Fujairah - Tel. 00971 9 236 0040 Fax 00971 9 237 3587

Sharjah - Tel. 00971 4 267 4966 Fax 00971 4 267 5477

**Lijan Greentech
India Private Ltd.**

6A-Inkel Tower-1
Angamali, Cochin
Tel. 0091 484 2458030

LIJAN INSULATION CONTRACTING LLC, the flagship company of LIJAN Group is a reputed Contracting and Trading company based in Dubai, UAE. This is managed by a professional team having extensive experience in various Insulation jobs.

We offer comprehensive repairs and maintenance service in insulation to Power & Desalination plants, Refineries & Petrochemical Plants, Offshore & Onshore Oil Rig Platforms and Industrial Plants viz Cement, Steel, Fertilizer, Chemical etc.



We provide Project Engineering and Contracting in:

- Hot/A-60/Cold/Cryogenic/Acoustic Insulation
- GI/Stainless steel/Aluminium Cladding
- Ventilation Trunking and ducting
- Marine accommodation and deck covering

We stock the following:

- Ventilation Roof Fans
- Class approved Rockwool Insulation.
- Calcium Silicate Blocks & Pipe Covering
- CD Welding machines and accessories
- Stud weld pins and washers
- SS insulation fasteners

Our wide base of activities with specialized workforce, meet our customer's varied requirements in

EXCELLENT QUALITY | COMPLIANCE WITH SPECIFICATION | TIMELY COMPLETION



OUR PRESTIGIOUS CLIENTS

- Schlumberger
- Lamprell Energy
- Gulf News
- Dow Ucar Chemicals
- ENOC
- ADNOC
- Oman Navy - RNOV Project
- Thermo Offshore & Industrial Div.
- LRC Speciality Chemicals
- Harris Pye Gulf
- United Arab Shipping
- EMAL Abu Dhabi
- Perro Negro Rigs
- APT Global Marine Services
- Ensco Rigs
- Diamond Offshore
- Adams Ship Repairs
- Adyard Abu Dhabi
- Al Banna Engg
- Rowan Rigs
- Drake & Skull Dubai

- Maritime Industrial Services
- J Ray Mc Dermott
- Nuplas Industries Jebel Ali
- Axcl Lube, Hamriyah FZC
- Kinetic Engineering Sharjah
- Ocean Diving Centre
- INCO Intl. FZC
- Elite Ventures, Fujairah
- Al Naboodah Engg. LLC
- Falcon Mech. Services
- Kanoo Group
- JBF RAK, Ras Al Khaimah
- SEMCO Maritime
- Gulf Petrochem, Hamriyah FZ
- Scott Bader, JAFZ
- Reem Rubber
- Noble Rigs
- Weatherford Drilling Intl.
- Emirates Refining Co. Sharjah
- Henkel Polybit UAQ
- Spec Intl.

HOT INSULATION AND CLADDING



Chemical Storage Tanks

We undertake all type of insulation projects for Marine, Industrial and Commercial sector. We offer turnkey solution from the Concept-Design-Engineering-Detailed Drawing-Expertise-Fabrication and Installation.

We work with all type of Insulation material like Rockwool/Calcium Silicate/Ceramic Fiber/ Cellular Glass etc and Jacketing material like Aluminium/GI/Alloy metal/Stainless steel, using local/International certified material.



Re Boilers & Column



Chemical Reactor

We specialize in executing hot insulation and Jacketing for:

- * Bitumen storage Tanks and piping
- * Skid mounted vessel insulation and dehydrators
- * Chemical Reactors
- * Boiler and associated pipes
- * Refineries and Petrochemical plants
- * Power and Desalination plants
- * Oil and Gas upstream-Offshore and On shore application



HOT INSULATION AND CLADDING



Bitumen Storage Tanks



Desalination Plant



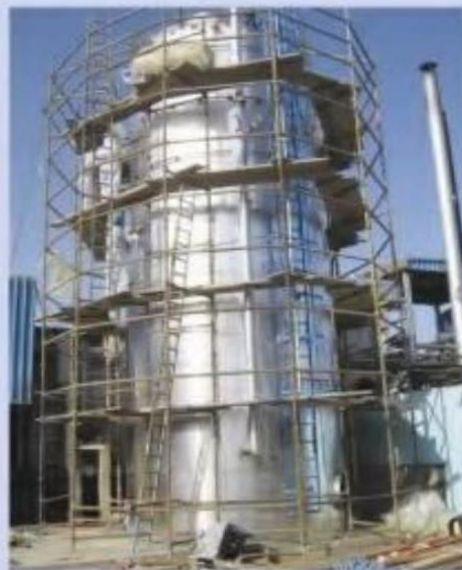
Skid Mounted Vessel



Calcium Silicate for Pipes



Columns



Tank



Boiler Stacks



MARINE ACCOMMODATION



Engine Exhaust Insulation

We offer Survey, Design, Engineering, Procurement, Installation and Project Management for Marine & Offshore Living Quarters Refurbishment and New builds.

We undertake various scopes of work in Accommodation like:

- * Bulk head and Deck head Panelling System.
- * Doors and Windows with Cabin Furnishing
- * Bathroom cubicle and ablution unit
- * Deck composition and covering.
- * Conference Room & Galley Equipment



Crew Accommodation



SS Bathroom Partition Panel

We specialise in executing:

- * Ventilation Trunking
- * HVAC Ducts
- * Fire rated insulation for Bulkheads & Deck heads
- * Air conditioning ducting and Insulation
- * Engine Exhaust & cooling pipes for Jack up Oil Rigs
- * Insulation pads for Mufflers



MARINE INSULATION



SS Hand Rails



Cooling Lines on Jack up Rigs



Insulation Pad for Muffler



HVAC Duct Cladding



Cement Unit Insulation on Rigs



A-60 Insulation on Bulkhead



COLD & CRYOGENIC INSULATION



Thermal Energy Storage Tanks

We undertake all type of Cold/Cryogenic Insulation and cladding Projects for a temperature range up to -162 Degree Celsius.

We work with all type of cold Insulation material like cellular glass / fiber glass / Elastomeric rubber / Polyurethane / polyisocyanurate and cladding material like Aluminium / Alloy metal / Stainless Steel



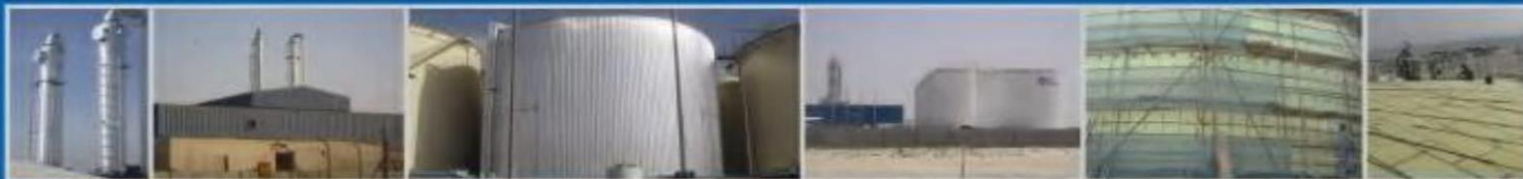
Plant Room Cladding



Cryogenic Insulation for LNG Pipes

We specialize in executing Cold/Cryogenic insulation for:

- * Mooring Buoy
- * Chilled Water Pipes & Tanks
- * Liquefied Natural Gas Tanks and associated pipes
- * Liquefied Natural Gas Tanks and Vessels
- * Storage Tanks and Reactors
- * Refineries and Petrochemical Plants.



COLD & CRYOGENIC INSULATION



Chilled Water Tank Cladding



Chilled Water Pipe Cladding



HVAC Duct Cladding



Pump Cladding



Cryogenic Insulation for LNG Tanks



PUF Insulation for Reactor



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GREEN ROOF VENTILATORS

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ZERO Power Consumption
Maintenance

GREEN ROOF VENTILATORS

Lijan Group, headquartered in Dubai, U.A.E for the past 12 years specializes in providing turnkey solutions in all kinds of Insulation and climatisation systems for Industrial & Commercial sectors. Our wind driven Turbo ventilators, enhances natural ventilation in factories, warehouses and other Industrial & commercial facilities, The ventilators have been designed and manufactured by **M/s ARTITH MACHINERY LTD, THAILAND**. who are pioneers in the field of both industrial & domestic ventilation since 1984.



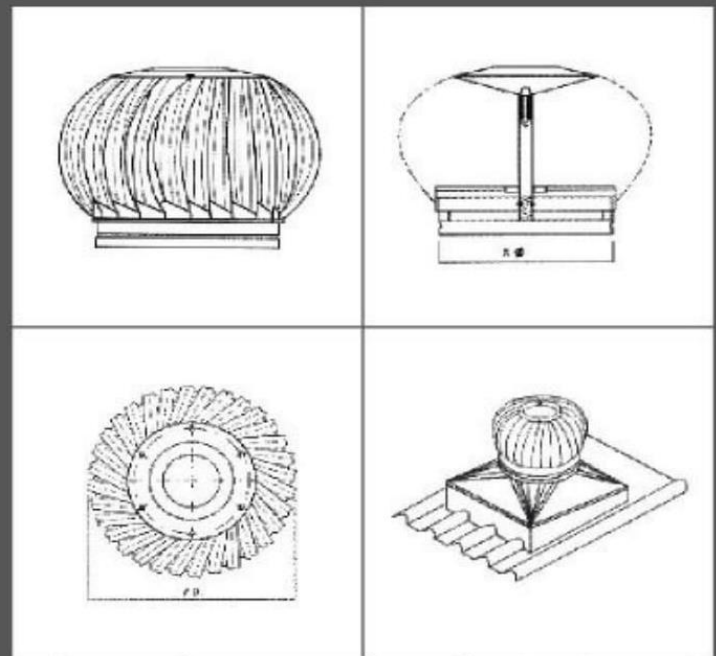
DYNAMICS OF TURBO VENTILATORS

Turbo roof ventilators consist of a turbine, adaptor and base. The turbine starts spinning at slightest breeze thereby inducing air flow by centrifugal action. The centrifugal force creates a region of low pressure within the turbine thereby drawing out air from the roof space. Low velocity wind maintains the centripetal force required by the turbine to remain in motion and thereby ensure suction



ADVANTAGES

- ◆ 0% Power consumption & operational cost
- ◆ Assured ventilation for 24 x 7
- ◆ Maintenance free: construction without bearing prevent wear and tear
- ◆ Silent operation
- ◆ Disperses foul smell and maintains hygienic condition
- ◆ Improves working conditions and increases productivity
- ◆ Easy installation and Eco friendly
- ◆ Highly durable and compatible to all Roof types
- ◆ Replaces super-heated attic air with fresh air thereby lowering roof space temperature and humidity



Size Ø (A)	Number of Blades	Diameter (Impeller) Ø (B)	Weight (kg)	The efficiency of the Ventilation (Average speed 6Miles/Hour)
14"	24	19"	2.8	72.000 CFH
18"	30	22.5"	3.4	92.000 CFH
22"	36	28"	7.2	170.000 CFH
25"	42	30"	8.2	190.000 CFH
30"	42	41"	15.8	240.000 CFH
39"	54	46"	19.2	350.000 CFH

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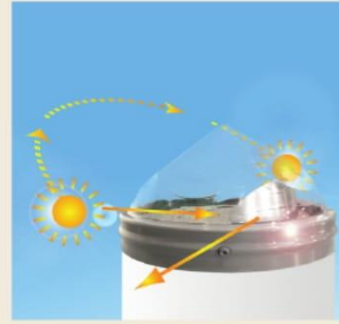
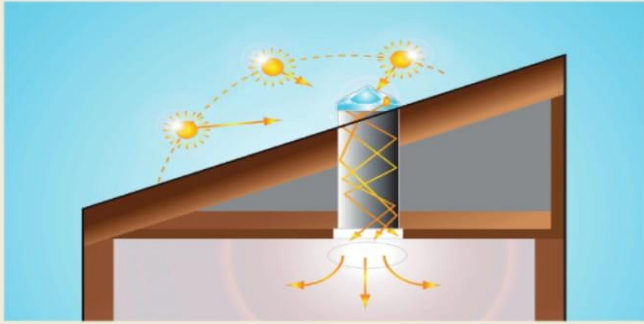
**GREEN
SOLAR LIGHTS**
100% Natural Lighting

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ZERO Power Consumption
Maintenance

GREEN SOLAR LIGHTS

Lijan Group, headquartered in Dubai, U.A.E for the past 12 years specializes in providing solutions In all kinds of Insulation and climatisation systems for Industrial & Commercial sectors.The GREEN SOLAR LIGHT, tailor made to meet day light requirements of the Middle East is one of the innovative products of our company that are in line with the sustainable Energy initiative in the region.The solar lights are effective to enhance natural illumination in Factories, warehouses and other Industrial & commercial Installation, The design and manufacture of the products are by **M/s CHATRON, PORTUGAL** who are veterans in the field Since 1993.



This Eco friendly system is designed to capture natural light and directs it through tubes internally quoted with highly reflective material thereby minimizing the dispersion of the rays. This supply light to considerable distance without Heat or cold transfer.

The prismatic dome with diamond shaped top to increase the light gathering is made of high impact methacrylate so as to filter or prevent UV rays that lead to discoloration of objects and cause skin cancer. It is equipped with light tracker Technology which allows capturing light beginning to end of the day. The interior of the solar tube is composed of aluminium sheet coated type TS-V98100 for high reflectivity (above 9996), thus preventing the loss of brightness and transporting the same to the interior areas to be illuminated even at considerable distance.

ADVANTAGES

- ◆ 0% Power Consumption
- ◆ Complete natural Light
- ◆ No Thermal Transfer (Heat or cold)
- ◆ Maintenance free
- ◆ Resistance to UV radiation
- ◆ Highly durable
- ◆ Easy installation
- ◆ Compatible to all roof types
- ◆ Eco Friendly



The solar light can be installed on all types of Roof on the custom made base which will suit existing roof profile and slope. This will ensure leak proof as well as Rust proof

Model R	Diameter (mm) Ø	Standard* Tube Length (mm)	Range of Light (m2)
TS250	250	625	10
TS300	300	625	18
TS400	400	625	40
TS530	530	625	50
TS750	750	1250	65
TS1000	1000	1250	85

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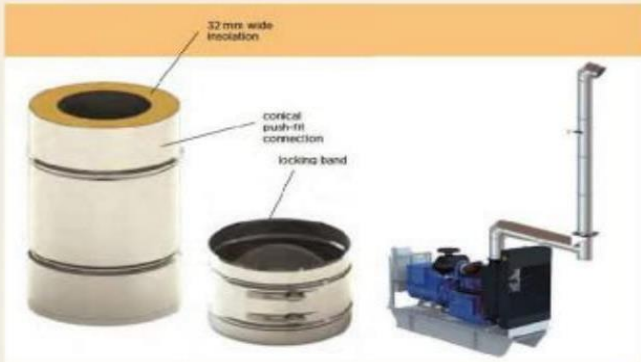
**Lijan
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STAINLESS STEEL
**CHIMNEY EXHAUST
SYSTEMS**

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SS CHIMNEY EXHAUST SYSTEMS

Lijan Group, headquartered in Dubai, U.A.E for the past 12 years specializes in providing turnkey solutions in all kinds of Insulation & climatisation systems for Industrial & commercial sectors . The ready to install EXHAUST SYSTEMS which is designed & manufactured by **M/s JEREMIAS, GERMANY** is a multifunctional type , twin wall insulated stainless steel flue system especially designed for high temperatures, high pressure and condensing. Its main characteristic is that no sealing material is used but a permanent connection is established through a metal joint without any gaskets, so called conical system and all the joints shall be protected by a locking band.



jeremias
CHIMNEY SYSTEMS



FIELDS OF APPLICATION

- ◆ **Generator Exhaust**
High Temperature exhaust gases and pressure
- ◆ **CHP**
Combined heat and power
- ◆ **Smoke Extract**
Fire rated smoke extract
- ◆ **Waste gas extract**
Industrial process exhaust
- ◆ **Kitchen extract**
Catering / kitchen extract
- ◆ **Light weight particle movement**
Blown particle for manufacturing parts
- ◆ **Fire Rated ducting**
Enabling multiple fire compartments to be used
- ◆ **Refuse / laundry chutes**
Flats, hotels, hospitals
- ◆ **Boilers**
Condensing and high temperature boilers
- ◆ **Chemical exhaust**
Painting and printing industries
- ◆ **Drying Ovens**
Automotive industry
- ◆ **Food processing plants**
Catering industry, convenience food
- ◆ **Incinerators**
Using specialist alloys to prevent corrosion
- ◆ **Condensing boilers**
No need of gaskets



MAIN FEATURES

1. It's Easy to handle
2. Quick Installation
3. High Quality Insulation used of Mineral wool of 120 kg/ m3 density
4. Insulation thickness varies 25, 32, 50 & 100 mm
5. Excellent acoustic properties.
6. Continuous Insulation: No thermal bridge between Inner & outer steel case.
6. High temperature resistivity (up to 1050 deg C)
7. It's a 4 hour fire rated to BS 476 PART 20
8. Can be used in High pressure areas
9. +Ve pressure is certified up to 5000 pa (suitable up to 15000 pa)
10. -Ve pressure too successfully tested up to 3000 pa
11. Inner material is of SS 316 of 0.6 mm standard thick and outer material is of bright finished SS 304 of 0.6mm thick. (Could be customized)
12. Free standing support at up to 3 meter. & lateral support at every 4 meters.
13. Thickness can be varies from 0.6 to 1 mm.



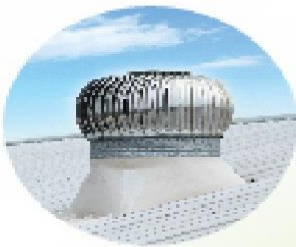
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Insulation & Climatization Experts



Natural Roof Ventilators

- ▶ Zero Power Consumption
- ▶ Zero Maintenance



Solar Sky Tubes

- ▶ Zero Power Consumption
- ▶ Illuminate Approx 500 Sq. Ft.



Stainless Steel Chimney

- ▶ Double Wall Insulated
- ▶ Without Welding Joints



Hot/Cold Insulation & Cladding

- ▶ Hot / Cold / A-60 / Cryogenic Acoustic Insulation