



Decarbonizing Together

Towards a Greener Tomorrow

www.lijangroup.com

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LIJAN GROUP FOR CLEAN ENERGY AND SUSTAINABLE SOLUTIONS

LIJAN INSULATION CONTRACTING LLC:-The flagship company of LIJAN Group established in 2004 is a reputed Contracting and Trading company based in Dubai, UAE, provides turnkey solutions in all types of Hot/Cold insulation and Renewable energy services for Marine & Industrial Sectors. Keeping utmost care on Environment, Health and Safety, we have endeavored solutions to execute our Industrial Insulation and climatization projects in time, complying with specifications.

"Making working conditions more energy- efficient is an easy and proven way to reduce carbon foot print, thereby protecting the environment" says Lijo George Kuttukaran, Managing Director, Lijan Group. In view of global warming, we emphasize the need for sustainable, renewable energy products and services for commercial and industrial establishments. The scope and scale of our capabilities include design, fabrication and installation of wind driven turbo ventilators. These ventilators are widely used for Industrial and commercial facilities to bring fresh air and comfort to the working environment without power consumption and maintenance. Lijan has successfully executed turbo ventilators to various government, local and international clients.

This region especially Middle East is blessed with abundant sunlight throughout the year which is an excellent source of energy. Lijan recognizes this potential and utilizes this maximum for day lighting. Conventional FRP strip lighting panels placed on the roof for light, increases the heat inside, causes leak and safety threats in the facilities and creates localized hot spots. Lijan supplies UV resistant solar skylights and tubes which gives uniform natural day lighting. These sustainable systems work without electricity and are highly durable without maintenance.

We work with clients to understand their clean energy needs and propose solutions to meet their requirements at the highest levels of local and international quality standards.



SOLAR SKY TUBE

The Tubular skylight, made to meet day light requirements of the buildings is one of the innovative product in line with the sustainable and zero carbon initiative of this region. This eco-friendly system is designed and manufactured by Chatron Ltd, (EU) to capture natural light and directs it through tube internally coated with highly reflective material to a considerable distance minimizing the dispersion.

The prismatic dome made in high impact strength polycarbonate material increases the light gathering by preventing UV rays and directs to the reflective Tube. The tube reflects lights inside like a mirror and goes out to the room through the bottom diffuser.

The sky tube comes with customized, profiled, powder coated roof Kerb to suit any type of roof to make it rust proof. In order to provide lighting for 24 hours, solar tube are available with dimmable industrial LED with smart control for optimal energy consumption. We have many successful installations of solar sky lights in warehouses, factories, gyms, sports stadiums, supermarkets, green houses and schools in UAE and GCC countries.



Advantages:

- No Electricity consumption, operational & maintenance costs
- Complete natural light.
- No heat transfer (cold or hot)
- No transmission of UV radiation
- Easy installation and compatible too all roofs
- Enhances performance, productivity and health
- Net zero carbon emission and eco friendly



GREEN ROOF VENTILATOR

Our Wind-driven Roof ventilators are designed and manufactured by M/s ARTITH MACHINERY LTD, THAILAND, who are pioneers in the field of both Industrial & domestic ventilation since 1984. Lijan has been associating with Artith ventilators, since 2008. These ventilators made in Aluminium AA 1100, extract hot trapped air, smoke, and humidity, there by ensures climatized environment

Advantages:

- No power consumption & operational cost
- Maintenance free due to bearing less operation
- Wind Load resistance up to 160 km/hour
- Customized profiled roof Kerb for leak proof
- Easy installation and compatibility to all roofs
- Replaces hot air and foul smell with fresh air
- Powder-coated base and adaptor for rust proof
- Assured ventilation for 24 x 7 with silent operation.
- Improve working conditions by enhancing productivity.
- Zero carbon emission and eco friendly





LILLYBRIGHT SKYLIGHTS

This tailor made innovative double-skinned polycarbonate skylight meets the daylight requirements of the facilities in line with the sustainable green initiative. Lillybright skylights are perfect replacements for GRP sheets and enhance natural illuminations in factories, warehouses, and other Industrial & commercial facilities. This eco-friendly skylight system consists of polycarbonate upper skin to capture natural light and direct it inside. The lower skin is a polycarbonate light diffuser for uniform light.

Advantages:

- Manufactured with high impact strength, protective UV-resistant coated polycarbonate sheet
- Uniform lighting distribution by inner layer light diffuser.
- A double glazed system with air gap to resist heat penetration
- Customized factory-made Roof Kerb for leak-proof installation
- Powder-coated base for rust-proof and maintenance free.
- Reduce energy consumption for 90% of daytime needs.
- UV resistant and 100% safe on roof due to its upstand structure.
- Customized base to suit existing roof profile
- Uniform lighting without localized heat
- Highly Durable & gives Pure White Light
- Maintenance Free & Eco Friendly
- Less than 2% of roof area only required for adequate day lighting.
- Installation with warranty



Lilly
Bright[®]
Solar Skylights



POLYCARBONATE SKYLIGHT

Lijan Group Polycarbonate Skylights are High Quality, Easy to Install, with superior Physical & Optical qualities which makes it ideal for Roof Skylight applications. Our Polycarbonate Skylights are made from best of Raw materials available which ensures Clarity, Strength and is incorporated with a co extruded UV Protective layer that will not peel or separate. This ensures our Polycarbonate Skylights are having outstanding impact Resistance & can withstand extreme weather conditions and will not get Brittle or Distorted.

Advantages:

- Best of Optical Properties -High Transparency of light.
- High Impact Strength.
- Available in Customized profile dimensions.
- Light Weight, Weather Resistance.
- Best Thermal performance.
- Available in thickness up to 20 mm
- Warranty -Long life.



GRP vs PC



THERMAL INDUSTRIAL INSULATION

The flagship company of LIJAN Group established in 2004 is a reputed Contracting and trading company Head Quartered in Dubai, UAE with branches in Fujairah, Sharjah & INDIA. We are a professional team having extensive expertise in various industrial insulation and cladding. Keeping utmost care on Environment, Health and Safety, we have endeavored to execute our Industrial Insulation and climatization project in time, complying with highest International standard.

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-commissioning.





Cryogenic Insulation & GRP Lamination for Ammonia Metering Skids



Insulation & Painted Jacketing for Molten Sulphur Storage Trailers



High Temperature Insulation & Jacketing for Process Plants



High Temperature Removable Thermal Jackets for Petrochemical Plants

Our Expertise

Fire rated/ A60 insulation for Bulkheads/
Deck heads on Jack up Rigs
Engine exhaust pipes for Oil Rigs
Chemical Reactors
Boiler and associated pipes
Refineries and Petrochemical plants
Power and Desalination plants
Thermal Jacketing Solutions
Hot /Cold related all Insulations.
TES tanks & Data Center Projects
Oil and Gas upstream-Offshore and
On shore application



Gas Turbine Exhaust Stacks



Cellular Glass Insulation



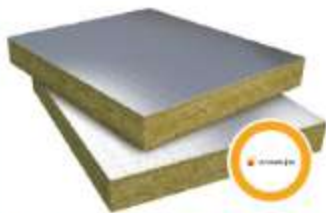
WHRU Exhaust Insulation



MARINE INSULATION



OTHER PRODUCTS



Class Approved Rockwool
Insulation



Marine Certified
Glass Fabrics



GRP Curbs /
Profile base



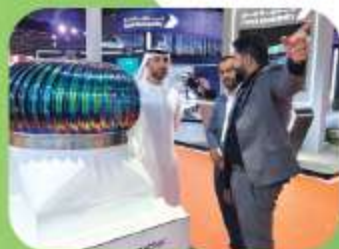
Ceramic Fiber Blankets



Calcium Silicate
Pipe Covering



Insulation Fasteners



CLIENTS

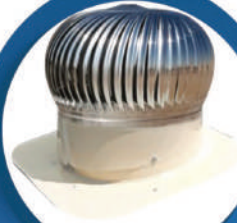




Lilly
Bright
Solar Skylights



HOT/COLD &
MARINE
INSULATION



GREEN ROOF
VENTILATORS



SOLAR
SKYTUBE

ISO 9001
BUREAU VERITAS
Certification



Insulation &
Climatization
Experts

Towards a carbon neutral world.



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