



YOUR TRUSTED PARTNER FOR  
**COMPLETE COLD CHAIN  
& INSULATED PREFAB  
WORK SOLUTION**

# ABOUT US

Merraki Expert, was founded in 2020 to provide Cold Chain and Insulated Prefab Solutions to the Industry. Over the next Five years the company is working on building a good reputation with its customers, while continuing to develop and expand.

Merraki Expert caters to wide range of industries like dairy, ice cream, food processing, agriculture, Horticulture, Construction, pharmaceuticals, cold warehouse, logistics, hospitals, hospitality, retail, etc.

Merraki Expert continues to meet the demands of the customers while providing a quality product and service. With the continued growth of the company; we offer complete solutions with modern technologies. Merraki Expert has special expertise in handling turnkey cold chain projects.

Every product Merraki Expert installs offers dependable performance with a long product life. For each product we offer, a wide variety of sizes and add-on options are available to ensure you have the right equipment combination to fit your requirements. We can even custom-design systems; whatever your site or project needs, you can count on us for a high-quality, money-saving solution.



## MISSION

To Provide Smart, Simple and Affordable  
Products and Solutions to Achieve  
Sustainable Growth






## VISION

To deliver the most Quality  
Services and Products at the  
Global level



# The **VALUES**

of the company are founded on the following principles:

-  Integrity
-  Accountability
-  Respect and Personalized Attention for Each Client.
-  Commitment To Quality
-  Strive For Excellence



## OUR CAPABILITIES



Consulting



Project Management



Design



Support, Maintenance & Services



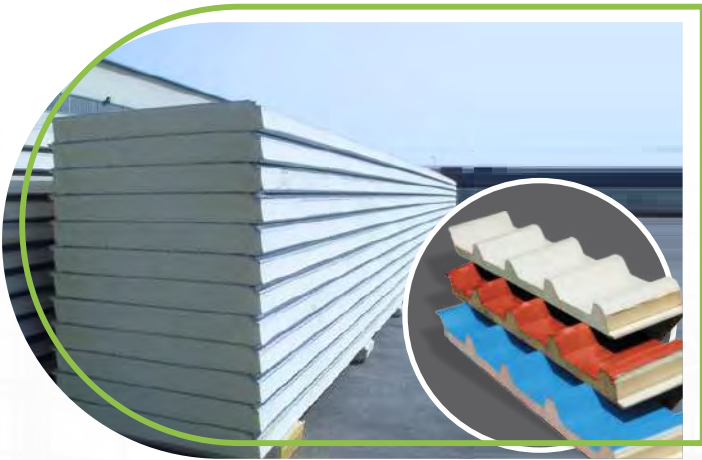
Execution

# PRODUCTS

## 01 Modular Cold Room

Modular Cold Rooms are Insulated chamber built at site to desired dimension and cooling specifications to meet our customer's requirement.

Merraki Expert's Modular Cold rooms use world-class PUF/PIR Insulated Panel and Refrigeration units (Through our approved vendor's) to offer you totally reliable cooling and preservation chamber specifically built for your needs.



## 02 Insulated Wall & Roof Panel

Merraki Expert has got its associate company, manufacturing rigid Polyurethane PUR, Polyisocyanurate PIR & Mineral Fibre cores which are sandwiched between two layers of metal.

Insulated panels are perfect for a wide range of domestic and commercial applications; from cold rooms, freezers, wine cellars, insulated containers, false ceiling, containers for shops and ATMs, and prefabricated buildings - including schools and site offices.

Roofing Panel effectively restricts the transmission of heat by 5-6 degrees, and also absorbs and reduces the noise of rain as well. These roofing panels are aesthetically designed, sound-proof & weather-resistant. Being corrosion-free, these panels require low maintenance and durable in nature, making them a cost-effective roofing solution.

## 03 Refrigeration System

**Evaporator (Indoor) Unit** - We use well-known brands of various type of indoor cooling units like ceiling suspended, dual discharge, floor mounted, blast freezer type with high CFM fans, pre-cooling units for our projects.

Indoor air coolers, which are designed for both cooling and freezing applications in medium to very large cold rooms. Thus coolers offered in a wide range of capacities, different fan diameters, several type of fin spacing's as per the temperature and application.

The indoor units for all type of Refrigerants H(C) FC, ammonia (R-717), brine applications and DX or pumping type application.



**Condensing (Outdoor) Unit** - We use Indigenous / imported outdoor condensing units in the option of Air cooled and Water cooled as per customer requirement and applications. The units with the different type of compressors like Hermetic Scroll, Hermetic Reciprocating, and semi hermetic reciprocation for small and medium capacities and for bigger capacities open type screw compressors or semi hermetic screw compressors in single or multiple (Racks) options.

For temperature range 12°C room temperature till -30°C a single stage compressors and -30°C onwards two stage compressor condensing units.



## 04 Hybrid Air Handling Unit (AHU)

Worlds 1<sup>st</sup> Patented nano hybrid AHU from Vaayu India with features like 100% fresh air, Reduce power consumption by 80%, Compressor based unique cooling technology, 24 - 26 Deg. C Green Temperature, Auto dust filter cleaning mode, Auto tank cleaning mode, 18mm external static, No direct heat emission, UV Water filtration system, Low Noise, touch screen display, No brazing (German make locking tool), water saving by Fuzzy logic, water level & Pump protection sensor, PP Body.

## 05 Clean Room

A clean room is a facility ordinarily utilized as a part of specialized industrial production or scientific research, including the manufacture of pharmaceutical items, integrated circuits, LCD, OLED and micro LED displays.

Cleanrooms are designed to maintain extremely low levels of particulates, such as dust, airborne organisms, or vaporized particles. Cleanrooms typically have a cleanliness level quantified by the number of particles per cubic meter at a predetermined molecule measure.



## 06 Ripening Chamber

Ripening chambers are designed to ripen the fruits with natural process of ripening. Banana / Mango ripening chamber available with PUR Panel, refrigeration, humidification, ethylene dosing system, with fully automatic units. Ethylene dosing System / ethylene generator, is available with latest and easy mechanical user friendly technology.

## 07 Fire Rated Door / Emergency Door

Merraki Expert provides premium quality Fire Door with all standard accessories and multiple infill material Honeycomb, high density mineral wool to satisfy the requirement of both uninsulated and insulated doors. These doors not only complement the existing passive fire-fighting systems, but also ensure optimal personal safety.



## 08 Smart PIR (Polyisocyanurate) Ducting

Smart PIR Duct are manufactured of CFC & HCFC free closed cell polyisocyanurate foam Sandwiched between aluminium foil it saves energy up to 20%, having low thermal conductivity, Environment friendly, fire retardant, Anti Rodent, Negligible water absorption, No water vapour transmission, Acoustic, Fast track fabrication and Installation.



## 09 Air Curtain & Strip Curtain

Merraki Expert provide customize size of Air Curtain with Aluminium and CRCA body Cover, SS and ABS Blowers, variable range air velocity, multi speed and single speed motor similarly we have wide range of customize Strip Curtain with Double side ribbed, Non-Phthalate, soft & flexible even at ultra - low temperature, does not turn yellowish for a long duration, safe for human contact, food grade approved, mounting hardware material - SS304, Powder coated GI, Aluminium, etc.



## 10 Insulated Portable Cabins

Merraki Expert Porta cabins are build with modular, tough Polyurethane Foam (PUF) insulated Panels, Windows and Door. Portable cabin has some silent feature like water resistant, light weight, easy transportability, easy maintenance and earthquake proof. Modular buildings and portable buildings offer significant advantages compared to conventional buildings because it takes shorter construction time, reduced site disruption, more consistent quality, financial savings and flexibility of use. It is a superior solution for all kinds of temporary to permanent buildings.





Received Global Fame Award - 2022 for Best Service Industry PUF Panel and Cold Storage

50+  Satisfied Customer



100000 Sq.M PUF/PIR Panel Installation done

Hybrid AHU SAVES 80% electricity against AC



Ability to Provide Services in all over India

One Roof Cold Chain Solution



Energy Efficient solution and Fire rated Products

Skilled Engineer team



## Our Renowned Projects



# LOCATION WE CATER



An ISO 9001:2015 Certified Company

## Head Office

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