

# High Performance Building Materials

C.I. Group  
Public Company Limited



# CIG - High Performance Building Materials

CIG is determined to be the expert in installing and supplying materials for high performance buildings that prioritize energy saving together with aesthetic value, contemporary design, as well as lightning- fast installation.



C. I. Group Public Company Limited is the manufacturer of air conditioning and refrigeration products with almost 40 years of experience. CIG has been recognized by leading brands in many countries around the world. We have expanded our business to cover design and installation of HVACR systems, construction projects, and other structural and utilities systems. We elevate the performance of buildings to another height in energy saving, safety, and aesthetics.



## Established in 1983

Registered Capital :  
\$20.3 Million / 648 MB  
Entered Stock  
Market : 2005



## 3 Manufacturing Locations in Thailand

Pathumtani (HQ) - 13,500 sq.m  
Chonburi - 11,000 sq.m  
Samut Prakan - 4,870 sq.m  
Employees ~ 850

## CIG History

- **1983**  
CIG was founded as a heat exchanger manufacturer
- **2005**  
CIG was listed in the Stock Exchange of Thailand
- **2015**  
Became Kingspan's Thailand Strategic Partner & Authorized Distributor
- **2019**  
Awarded 100,000 sq.m 3D- Shaped Aluminum freeform roof project of Suvarnabhumi Airport ( Supply and install )

# Empower with Care



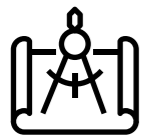
## Your Inspiration is our Aspiration

We are more than ready to explore new possibilities with you.



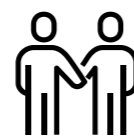
## The Best Innovative Products and Solutions

We are determined to develop and select the best of innovative products for construction engineering.



## Optimizing Solutions

We pursue the most optimized solutions to conquer structural challenges, temperature control difficulties, and safety challenges.



## Dedicated Sales and Engineering Support Team

We have dedicated teams of experts that are always ready to support you from the beginning through project completion.

# 360° Service & Support

Design, Technical, Commercial & Construction Assistance



## 1 Design

- Design and optimization for project requirements and challenges

## 2 Project Overview

- Brief and scope

## 3 Optimize Solutions

- Building code(s) compliance
- Structural, thermal, air-tightness, acoustic, fire, durability, and other performance requirements
- Envelope solutions and structure integration drawings and system specifications
- Testing, accreditation and certification
- Energy efficiency optimization and measures, Environment and sustainability rating
- Cost plan inputs

## 4 Procurement & Programme

- Turn key solutions
- Specialist installer selection, training and on-site support
- Materials submission
- On-site build methods and procedures

## 5 Project Delivery

- Project management and field support teams
- On/off-site 2D and 3D CNC manufacturing
- Logistics and materials delivery program

## 6 Project Completion

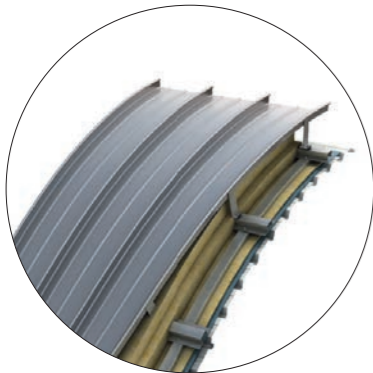
- Post-completion documentation and drawings
- Guaranteed by CIG

# Enabling Possibilities

Kingspan's Strategic Partner for distribution, design and installation.



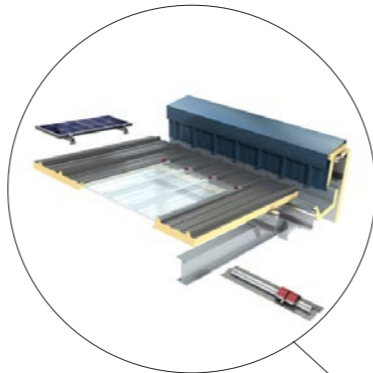
3D freeform aluminum roof



High performance Insulated architectural wall



Insulated roof integrated with daylight and solar energy



Solid aluminum façade and Louver Screening & Ventilation



Arii IoT / smart monitoring and control solutions



HVACR products / design and installation



Fire and environment safe

HIGH PERFORMANCE

SAFE

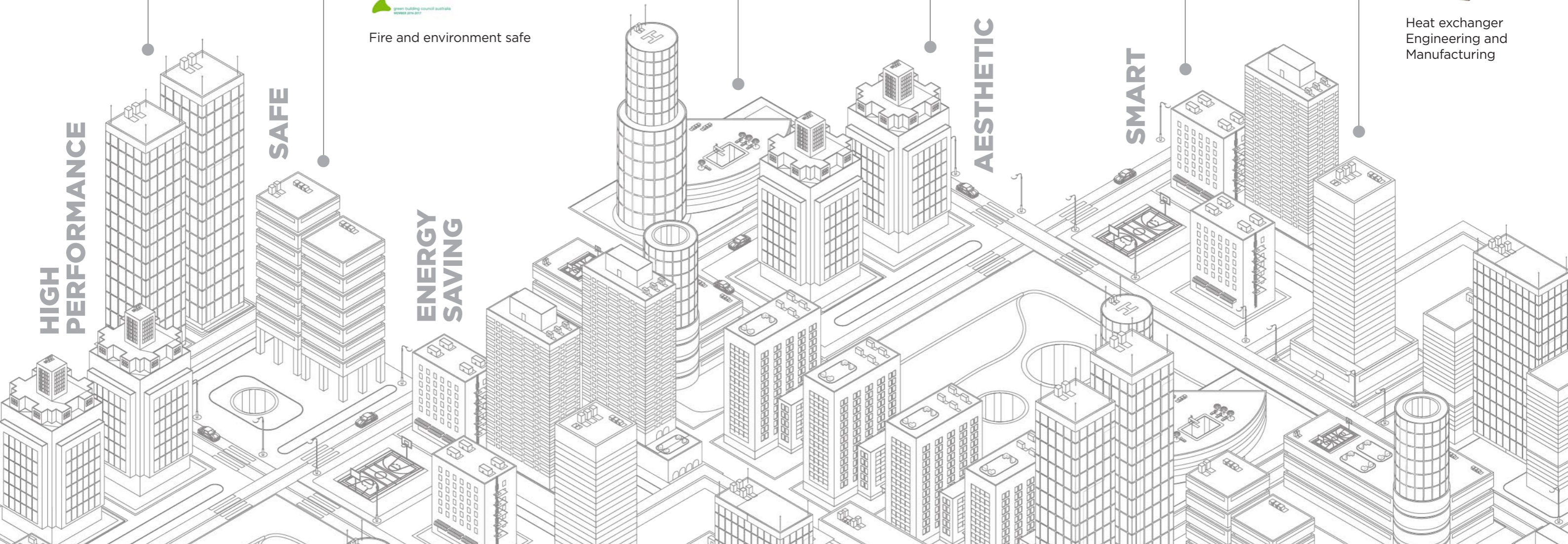
ENERGY SAVING

AESTHETIC

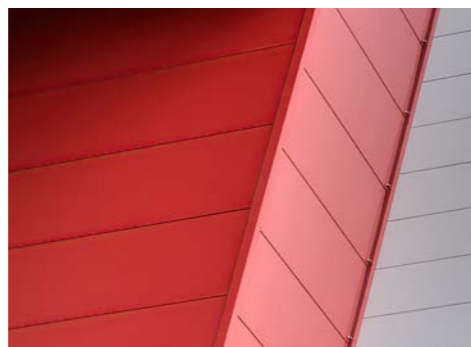
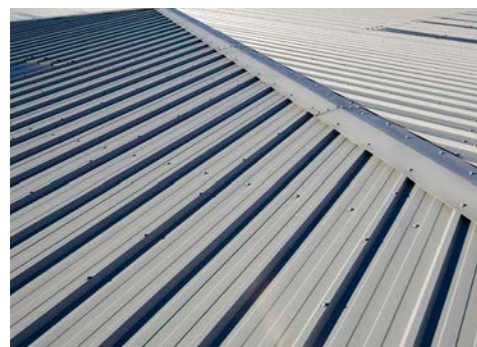
SMART



Heat exchanger Engineering and Manufacturing



# Architectural Wall & Roof Insulated Panel System



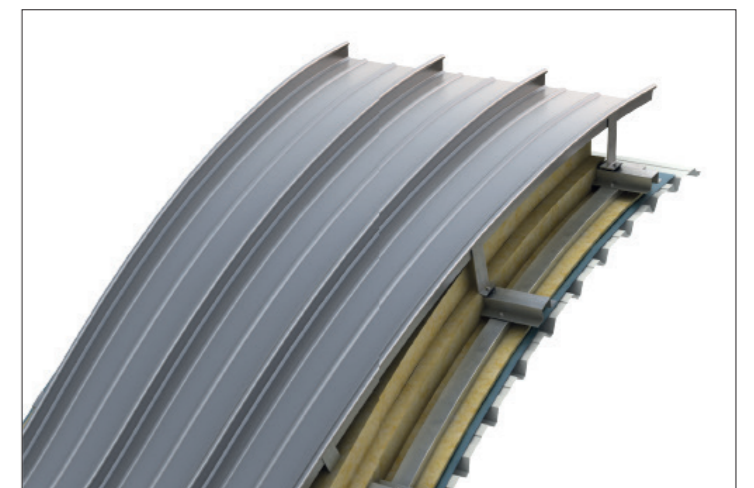
Quadcore / PIR Insulated Roof Panels

Quadcore / PIR Insulated Architectural Wall Panels

Façade & Rainscreen Systems



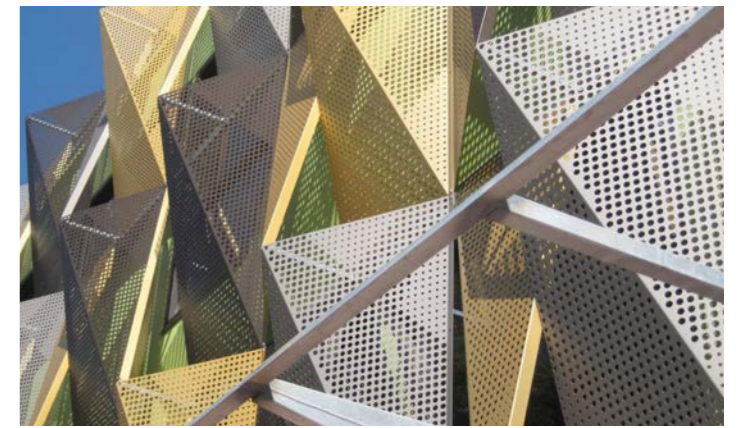
## K-Dek Membrane Flat Roof



**Suvarnabhumi Airport Roof SAT-1 Extension :**  
Midfield Satellite Building 100,000 sq.m Installation by CIG



# Façade Systems



Façade & Rainscreen Systems



Pre Painted Galvanized Sheet

# Engineering Support & Design

Support M&E design and installation with our team of specialized engineers that will be with you from start to end.



Ventilation System



A/C and Refrigeration System



Other M&E Systems



Fire Sprinkler System

# HVACR Products



Quality Standards  
ISO 9001 : 2015  
UI / AHRI / Carrier Q+ Level 3



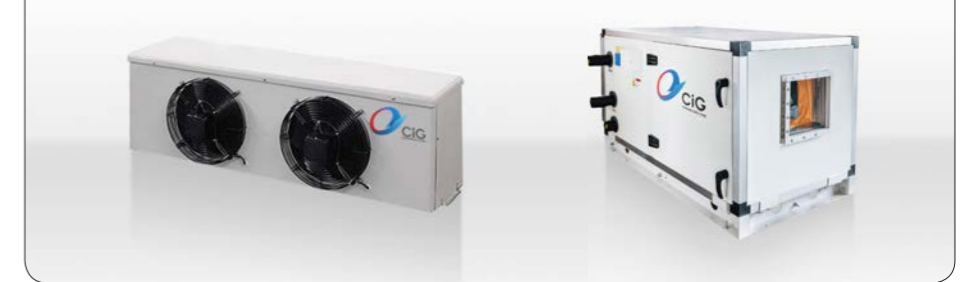
Air Cooled Condenser

### Maximum Efficiency



Condensing Unit

### Design for Harsh Environment



Unit Cooler

Air Handling Unit

### Clear Air Solutions



Air Purifiers  
» U13: ULPA filter  
» Corona virus and PM2.5 protection

# Monitoring & Control for HVACR Systems

**Cloud platform Monitoring & Control Solutions**

Bringing IoT Technologies to HVAC/R Systems

Aril



HVAC/R System Data Dashboard Powered by IoT



Access Realtime Data with Alert, Alarm, and Control System



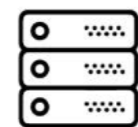
Indoor Air Quality (IAQ) IAQ Monitoring system Connect to any device with RS485 port



With Narrow Band IoT Compatible with BigQuery / Big Data



Effortless Setup + Instant Report



Optional On-Premise Server Available

# Louver Screening & Ventilation

Universal Louver conforms to EN13030



## High Performance Natural Louvered Ventilator

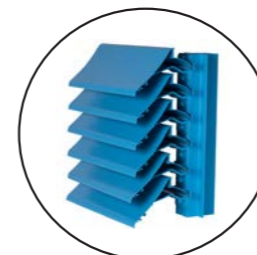
Natural louvered ventilator suitable for natural day to day and smoke control ventilation. It conforms to EN 12101-2 and EN 14351- 1 and is CE marked.



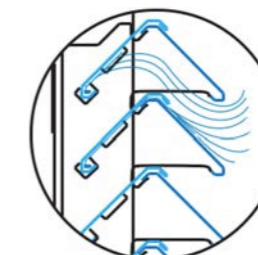
TYPE CLT



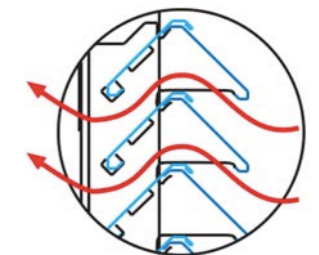
TYPE CLT



EWL Profile



Rain Dispersion 3UL Profile



Air Flow 3UL Profile



# Project References



Project : NARIT  
(National Astronomical Research Institute of Thailand)  
Location: Doi Saket, Chiang Mai  
Customer: West Coast Engineering  
Scope: Exterior Wall & Cladding



Project : Supernap Data Center  
Location: Hemraj Industrial Estate, Chonburi  
Customer: Thai Obayashi  
Scope: Roof & Wall Installation



Project : McCormick  
Location: Chonburi  
Customer: Thai Takenaka International Co., Ltd  
Project Scope: Interior Wall & Ceiling Installation



Project: Penguin Tank Renovation  
Location: Siam Paragon, Bangkok  
Customer: Sea Life Bangkok  
Project Scope: Turnkey



Project: CPF Khangkoi  
Location: Saraburi  
Customer: Kasetphan Industry  
Project Scope: Interior Wall & Roof Installation



Project : GENESIS DATA CENTER  
Location : Bangna  
Customer : Willing Mind Co., Ltd  
Project Scope : Interior Wall & Ceiling Installation

# Construction and Facility



Project : Power Station  
Location: Pathum Thani Province  
Customer: Provincial Electricity Authority  
Scope: Survey, Design, Supply, Installation, Test, Civil construction



Project : Construction of Civil Works of Manhole, Underground Cable Works  
Location: Chaloe Phrakiat Rama 9 Soi 28  
Customer : Metropolitan Electricity Authority

# HVAC/R Project References

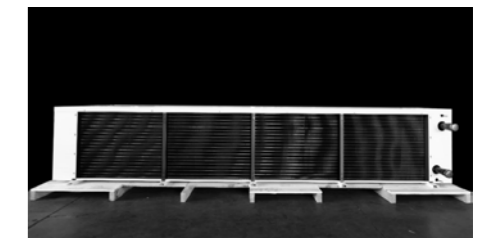
- Coldstore for DRY-AGED BEEF +4 °C, The Ranch Bangkok @ CTW
- AHU Renovation for hotel



Project: Built-Up Room A/C Renovation  
Location: Future Park Rangsit  
Customer: Future Park Rangsit  
Project Scope: Supply Coil for Replacement



Coldstore +10 °C, Showa Industrial (Thailand) Co., Ltd.



Unit Cooler And AHU For Mushroom Plant



Blaze Freezer Room -35°C

## Construction Business



## HVACR Business





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