

# MacroTekEngineering

## Engineering Excellence In HVAC-RSystem



MACROTEK ENGINEERING is a local design and consulting group specializing in HVAC-R.

Our team of passionate industry experts focuses on thoroughly understanding customer needs  
In comfort cooling, food preservation, and safety.

We offer expert advice and professional services from initial design through project  
completion and operation, ensuring customer satisfaction .

## Vision

To be the HVAC-R “PREMERE ENGINEERING SOLUTION PROVIDER” in the Philippines

- HVAC-R consultation, design and project management
- Technical, energy and safety audits
- System upgrades and modifications
- Technical and safety trainings
- Plant maintenance and service



## Project References

ISQUARE, Royale Cold Storage -83,731 PP Total Capacity (Audit and Due diligence for Acquisition & Investment)

### 5 Facilities

- Plaridel
- Cabuyao
- Villasis
- Taytay
- Marilao



## Project References

AYALA LOGISTICS, Glacier Megafridge -44,358 PP Total Capacity (Audit and Due diligence for Acquisition & Investment)

### 7 Facilities

- Pulilan
- Glacier Paranaque (1-4)
- Glacier 5
- Taguig



## Project References

FIRST ATKINS MEAT COLD STORAGE- 10,080 PP Total Capacity, San Jose Nueva Ecija (Design and Project Supervision)



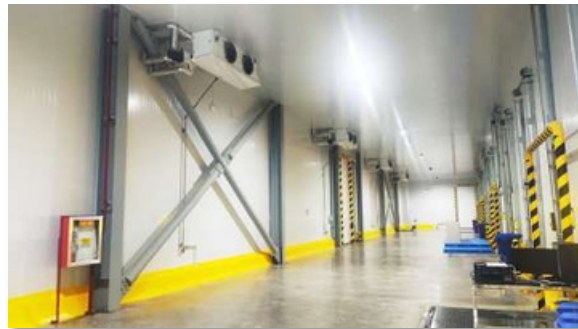
## Project References

LOGISTICS CONSULTING ASIA,SDN BHD, Pioneer Cold Storage –5,600 PP Total Capacity (Conceptualization and Design)



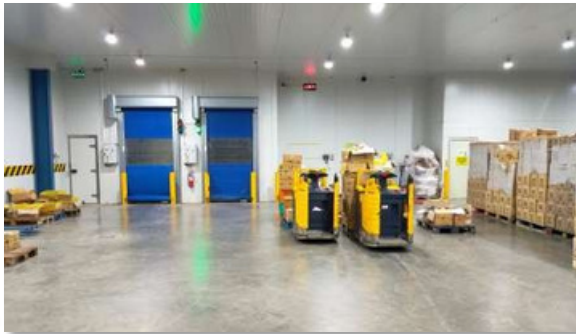
## Project References

GMAC LOGISTICS- 5,404 PP Total Capacity, Tablon, Cagayan de Oro (Design Review and Project Supervision)



## Project References


BIG BLUE LOGISTICS 4, 5, 6 & 7 - 50,072 PP Total Capacity, Consolacion, Cebu (Design Review and Project Supervision)



## Training & Speaking Engagements



# Training Modules




Module 1

## FUNDAMENTALS OF REFRIGERATION

AB CABUAY ENGINEERING CONSULTANCY  
Refrigeration Training Course

ARNOLD CABUAY  
202-2284 Refrigeration Chair  
2019-2020 Project Chair



Module 2

## GAS LAWS AND PSYCHROMETRIC PRINCIPLES

AB CABUAY ENGINEERING CONSULTANCY  
Refrigeration Training Course

ARNOLD CABUAY  
202-2284 Refrigeration Chair  
2019-2020 Project Chair



Module 3

## REFRIGERANTS

AB CABUAY ENGINEERING CONSULTANCY  
Refrigeration Training Course

ARNOLD CABUAY  
202-2284 Refrigeration Chair  
2019-2020 Project Chair

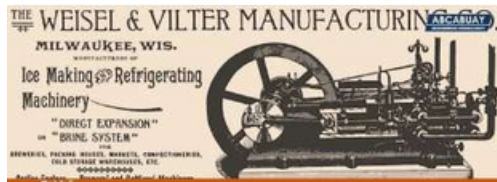


Module 4

## OIL AND LUBRICANTS

AB CABUAY ENGINEERING CONSULTANCY  
Refrigeration Training Course

ARNOLD CABUAY  
202-2284 Refrigeration Chair  
2019-2020 Project Chair



Module 5

## BASIC REFRIGERATION CYCLE

AB CABUAY ENGINEERING CONSULTANCY  
Refrigeration Training Course

ARNOLD CABUAY  
202-2284 Refrigeration Chair  
2019-2020 Project Chair



Module 6

## COMMERCIAL REFRIGERATION

AB CABUAY ENGINEERING CONSULTANCY  
Refrigeration Training Course

ARNOLD CABUAY  
202-2284 Refrigeration Chair  
2019-2020 Project Chair



Module 7

## INDUSTRIAL REFRIGERATION

AB CABUAY ENGINEERING CONSULTANCY  
Refrigeration Training Course

ARNOLD CABUAY  
202-2284 Refrigeration Chair  
2019-2020 Project Chair



Module 8

## SAFE OPERATION AND MAINTENANCE OF AN NH<sub>3</sub> REFRIGERATION PLANT

AB CABUAY ENGINEERING CONSULTANCY  
Refrigeration Training Course

ARNOLD CABUAY  
202-2284 Refrigeration Chair  
2019-2020 Project Chair




Module 9

## REFRIGERATED FACILITIES DESIGN GUIDE

AB CABUAY ENGINEERING CONSULTANCY  
Refrigeration Training Course

ARNOLD CABUAY  
202-2284 Refrigeration Chair  
2019-2020 Project Chair



Module 10

## REFRIGERATION LOAD CALCULATIONS

AB CABUAY ENGINEERING CONSULTANCY  
Refrigeration Training Course

ARNOLD CABUAY  
202-2284 Refrigeration Chair  
2019-2020 Project Chair



Module 11

## EFFICIENT OPERATION AND MAINTENANCE OF AN NH<sub>3</sub> REFRIGERATION PLANT

AB CABUAY ENGINEERING CONSULTANCY  
Refrigeration Training Course

ARNOLD CABUAY  
202-2284 Refrigeration Chair  
2019-2020 Project Chair



Module 12

## HUMIDITY CONTROL IN REFRIGERATED DOCKS

AB CABUAY ENGINEERING CONSULTANCY  
Refrigeration Training Course

ARNOLD CABUAY  
202-2284 Refrigeration Chair  
2019-2020 Project Chair

