















# ABOUT COMPANY







## **CO-PAC ENGINEERING CO.,LTD**

**CO-PAC GROUP WAS ESTABLISHED IN 2002** and is managed by a team of highly experienced engineers specializing in air conditioning systems, electrical systems, and clean room & cold room solutions. Over the years, we have expanded our services to include maintenance solutions for clean rooms, humidity-controlled rooms, and cold rooms, ensuring optimal performance and efficiency for our clients.



**INSTALL CHILLER** 



**COLD ROOM SYSTEM** 



**CLEAN ROOM** 



ELECTRICAL TRANSFORMER INSTALLATION



HUMIDITY CONTROL SYSTEM



**SPRINKLER SYSTEM** 

# 2007

**Co-Pac Group** has expanded its operations by opening a branch office in **Bo Win, Sriracha, Chonburi** to be closer to customers and deliver faster service. Additionally, the company has launched a new department dedicated to the sales of air conditioner spare parts and electronic appliances, ensuring comprehensive and timely service for our valued customers.







**MDB INSTALLATION** 

# AIR CONDITIONING & VENTILATION SYSTEM



**VENTILATION FAN** 







**AIR CONDITIONING** 





**CEL PAD** 



CHILLER



COOLING



CHILLER INSTALLATION



**VENTILATION SYSTEM** 



AIR CONDITIONING SYSTEM

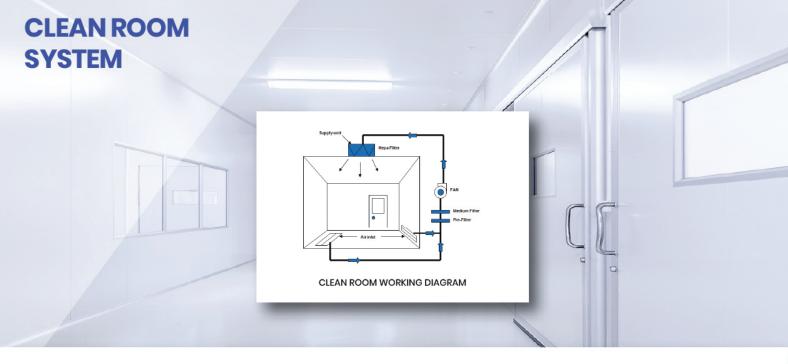


**VENTILATION SYSTEM** 



**AHU INSTALLATION** 

**Co-Pac Engineering Co., Ltd.** has a dedicated design team that provides expert advice on system applications and improvements tailored to various needs. We specialize in the installation of split air conditioning systems, water pipe systems, and chillers, with a team of experienced engineers overseeing every step of the process. Our installations strictly adhere to the standards set by the Engineering Institute of Thailand, ensuring precision, efficiency, and safety compliance.



Class	Maximum Particles/m <sup>3</sup>						
	≥0.1 um	≥0.2 um	≥0.3 um	≥0.5 um	≥1um	≥5 um	equivalent
ISO 1	10	2					
150 2	100	24	10	4			
ISO 3	1,000	237	102	35	8		Class1
ISO 4	10,000	2,370	1,020	352	83		Class10
150 5	100,000	23,7000	102,000	3,520	8,320	293	Class 100
150 6	1,000,000	237,000	102,000	35,200	8,320	2,930	Class1,000
150 7				352,000	83,200	2,930	Class 10,000
ISO 8				3.520,000	832,000	29.300	Class 100,000
150 9				35,200,000	8,320,000	293,000	Room Air

CLEANROOM CLASSIFICATION ACCORDING TO ISO 14644 STANDARD

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CLEANROOM FUNDAMENTAL (NON-LAMINAR FLOW)



HELPA-FILTER



PRE-FILTER



MEDIUM-FILTER



# CLEAN ROOM SYSTEM



#### WHAT IS CLEAN ROOM?

**Clean room** is a room or enclosed area where the ambient environment is controlled such as Impurity particles, temperature, air pressure, humidity, air flow patterns, vibration, light and microbial organisms.



CLEANROOM FOR MEDICINE ROOM



CLEANROOM AHU DIAGRAM



PROGRAM RUN AROUND COIL

P-H DIAGRAM FOR RAINY-SUMMER SEASON

P-H DIAGRAM FOR WINTER SEASON



**ACTIVE TEMPERATURE / HUMIDITY** 



### **CO-PAC ENGINEERING CO.,LTD.**

a specialized company in cold storage whether the temperature is lower than -70°C or a higher temperature. We have an experienced team of installation equipment and acceptable price that customers are satisfied.









ELECTRICAL CONDUIT INSTALLATION

FIBER OPTIC CABLE INSTALLATION

FIRE ALARM SYSTEM INSTALLATION







MDB INSTALLATION

ELECTRICAL TRANSFORMER INSTALLATION

INDUSTRIAL ELECTRICAL SYSTEM INSTALLATION



# **CO-PAC ENGINEERING CO.,LTD.**

More than 20 years with experienced electrical engineers and staff

#### **HIGH QUALITY EQUIPMENT**

- ELECTRICAL WIRE: PHELS DODGE, THAI YAZAKI, BANGKOK
- CIRCUIT BREAKER: ABB, S-D, MITSUBISHI
- LIGHTING: X-TRABRITE
- ELECTRICAL CONDUIT: MITSUBISHI, PAT











CIRCUIT BREAKER LOAD CENTER

MDB CABINET

**PROJECT REFERENCE** 







 MAIN POWER BK4 AVERY DENNISON (THAILAND) CO., LTD.





 CHILLER INSTALLATION VALEO AUTOMOTIVE (THAILAND) CO., LTD.







 AHU REPLACEMENT N.O.K. INDUSTRY (THAILAND) CO., LTD.









 HALL F2 ASSEMBLY / AIR CONDITIONING POWERTECH ENGINE ASSEMBLY CO., LTD.









 RETURN DUCT KHAOSHONG INDUSTRUY 1979 CO., LTD.







 NEW CHILLER 100HP DANONE (THAILAND) CO., LTD.









 VENTILATION SYSTEM BERLI JUCKER PUBLIC CO., LTD.







KORACH INDUSTRY CO., LTD.



CLEAN ROOM INSTALLATION







**CLIENTS** 





























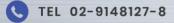






SCI Electric Public Company Limited บริษัท เอสซีไอ อีเลคตริค จำกัด (มหาชน)







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