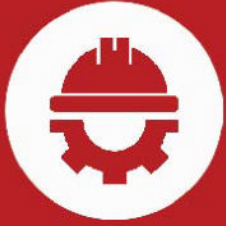




ELCO ADVANCE ENGINEERING (M) SDN. BHD.

DESIGN & BUILD • CLEANROOM • M&E SYSTEM



E ENGINEERING PROFESSIONALISM
专业工程



L LEADING TECHNOLOGY
技术领先



C CUSTOMER ORIENTED
客户第一



O ON TIME DELIVERY
准时交付



ABOUT US

ELCO is a Cleanroom cum Mechanical, Electrical & Process Utility System contracting company, specializing in Design & Build project for industrial sector. Over decades, we have accumulated substantial project experience in M & E Services and Cleanroom, especially in Electronics and Pharmaceutical manufacturing industry.

ELCO is capable of study, design, implementing and providing total solution for industrial factory on new set-up, retrofit or upgrading of existing facility. Our work force consists of a group of professionals who are knowledgeable, experienced and excel in our expert field. We believe in close engagement with our clients to provide comprehensive or customized solutions. Project execution leading to completion and ultimate on time delivery is our forte.

ELCO believes in continuously providing quality services to ensure customer satisfaction and trust. We persevere in seeking greater growth of our business, and this has sparked the expansion and formation of our companies in various countries of this region, as listed below.

- *ELCO Advance Engineering (Malaysia) Sdn. Bhd.*
- *ELCO Engineering Co., Ltd.*

With CIDB grade 7, ELCO is qualified to undertake Buildings, Mechanical and Electrical projects for unlimited amount.



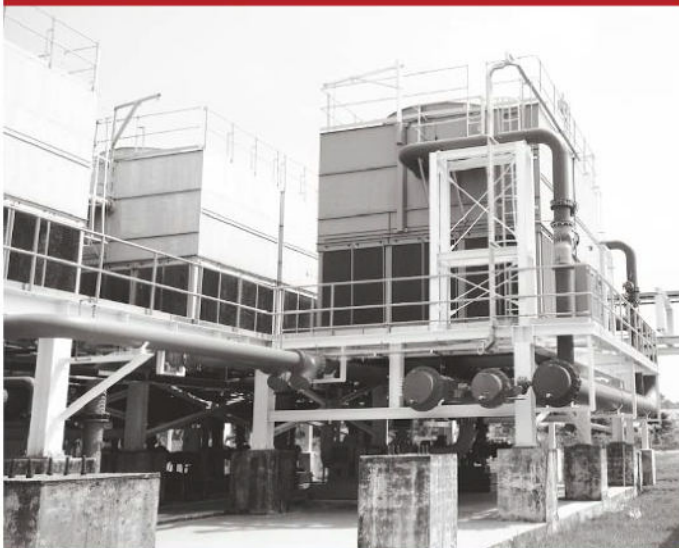
MICROELECTRONIC CLEANROOM

Design, Supply, Install, Build and Maintenance of Electronic Cleanroom System (Class 1,2,3,4,5,6,7,8 and 9) with reference to ISO 14644-1. Certification of cleanroom in accordance to NEBB (IEST procedures) and ISO 14644-2.



PHARMACEUTICAL CLEANROOM

Design, Supply, Install, Build and Maintenance of Pharmaceutical Cleanroom System (Grade A,B,C and D) with reference to GMP and FDA compliance including preparation of validation protocol (VMP).



GENERAL HVAC SYSTEM

Design, Supply, Install, Service & Maintenance of Heating, Mechanical Ventilation System and Air Conditioning System for conditioning.

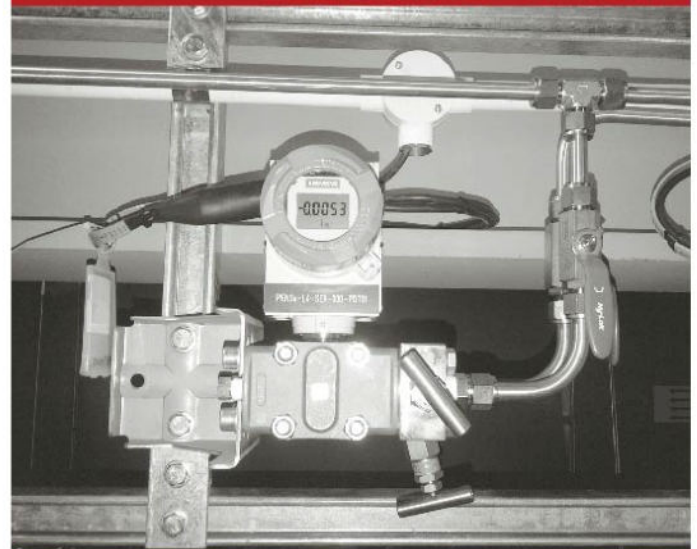
SCOPE

Supply and Install HT, Transformer and LV System, also cabling works and lighting works.



ELECTRICAL SYSTEM

Design, Supply and Installation of Building Automation System (FMCS or BMS) & DDC / PLC Control System.



CONTROL SYSTEM

Design, Supply, Install, Build and Maintenance of Process Utility System such as :

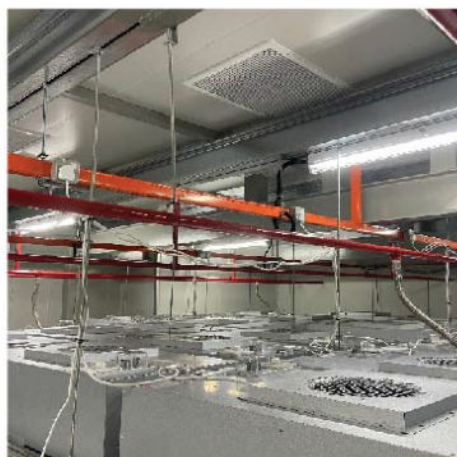
- a) Compressed Dry Air
- b) Nitrogen System
- c) Process Vacuum
- d) Process Exhaust
- e) Process Cooling
- f) Scrubber System
- g) Production Equipment / Tools Hook Up works



PROCESS UTILITY SYSTEM



LOCAL PROJECT REFERENCE



Construction Time : February
2024
Location : Kulim, Kedah, Malaysia
Industries : Computerized
Numerical Control Machining
Built Up Area : 571 m2
Cleanroom Area : 130 m2
Clean Class : Class 5 (102m2) &
Class 6(28m2)



LINKTEL TECHNOLOGIES SDN. BHD.

MICROELECTRONICS CLEANROOM



Construction Time : February 2023

Location : Batu Kawan, Penang, Malaysia.

Industries : Optical Communication Transceiver Modules

Built Up Area : 5,000 m²

Cleanroom Area : 2,500 m²

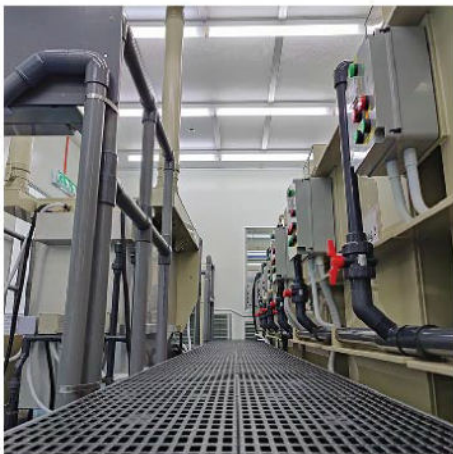
Clean Class : Class 7 (1,300 m²) & 8 (1,200 m²)



Construction Time : September 2023
Location : Batu Kawan, Penang, Malaysia.
Industries : Semiconductor And Electronic Component Manufacturing
Built Up Area : 1,500 m²
Cleanroom Area : 280 m²
Clean Class : Class 7



KW PRECISION ENGINEERING SDN. BHD.
MICROELECTRONICS CLEANROOM



Construction Time : February 2023

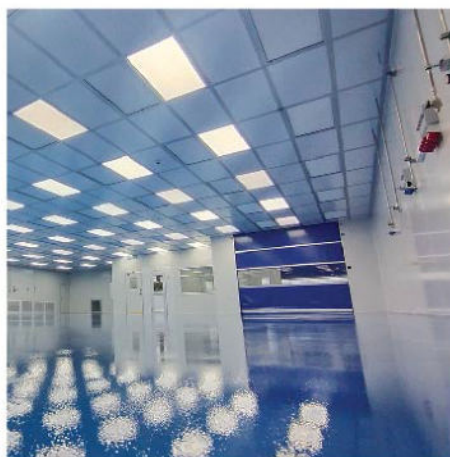
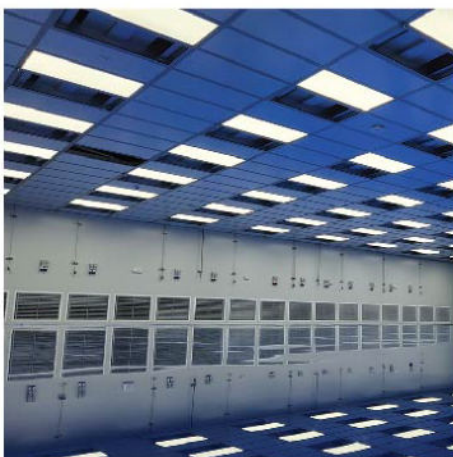
Location : Batu Kawan, Penang Malaysia.

Industries : Precision Component

Built Up Area : 5,000 m²

Cleanroom Area : 360 m²

Clean Class : Class 5



Construction Time : December 2022

Location : Prai, Penang, Malaysia.

Industries : Process Utilities Gases

Built Up Area : 2,500 m²

Cleanroom Area : 330 m²

Clean Class : Class 6



HISTOTECH ENGINEERING SDN. BHD.

MICROELECTRONICS CLEANROOM



Construction Time : September 2024
Location : Bayan Lepas, Penang, Malaysia.
Industries : Computerized Numerical Control Machining
Built Up Area : 70 m²
Cleanroom Area : 65 m²
Clean Class : Class 6

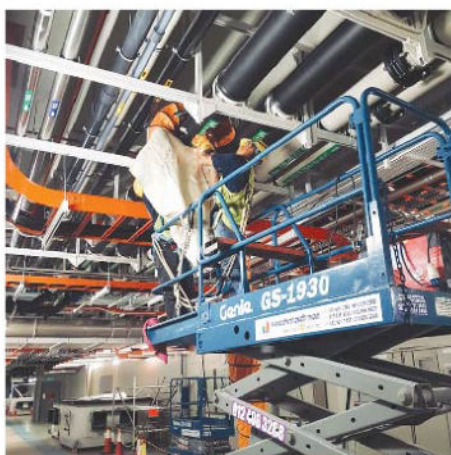


Construction Time : September 2021
Location : Bayan Lepas, Penang, Malaysia.
Industries : Hard Disk Drive
Built Up Area : 13,000 m²
Cleanroom Area : 12,000 m²
Clean Class : Class 4 (9,200 m²) & 7 (2,800 m²)



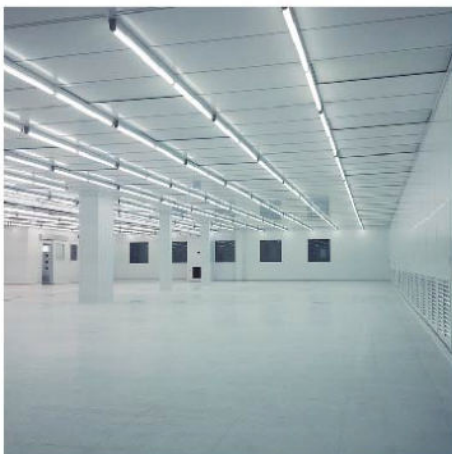
INFINEON TECHNOLOGIES SDN. BHD.

MICROELECTRONICS CLEANROOM



Construction Time : August 2017
Location : KHTP, Kedah,
Malaysia.

Industries : Wafer Fabrication
Built Up Area : 12,000 m²
Cleanroom Area : 1,300 m²
Clean Class : Class 6



Construction Time : February 2014

Location : Bayan Lepas, Penang, Malaysia.

Industries : Test & Assembly

Built Up Area : 4,500 m²

Cleanroom Area : 1,200 m²

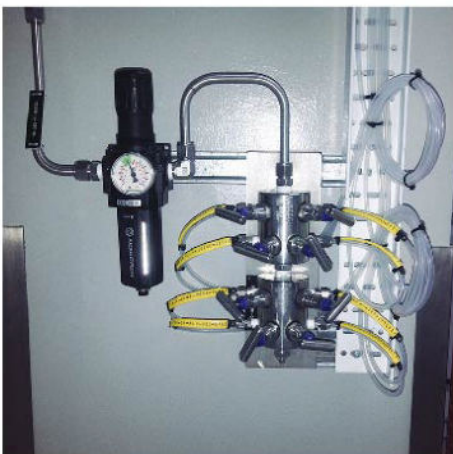
Clean Class : Class 6



OSRAM OPTO SEMICONDUCTORS (M)

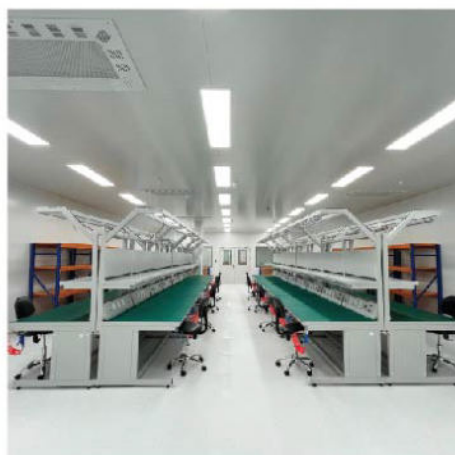
SDN. BHD.

MICROELECTRONICS CLEANROOM



Construction Time : March 2011
Location : Bayan Lepas,
Penang, Malaysia.
Industries : Optical Solutions
Built Up Area : 8,000 m²
Cleanroom Area : 3,500 m²
Clean Class : Class 5 (1,500m²),
7 (1,000m²), 8 (1,000m²)

OPTIVISION TECHNOLOGY SDN. BHD.
PHARMACEUTICAL CLEANROOM



Construction Time : September 2024

Location : Sungai Petani, Kedah, Malaysia.

Industries : Medical Device Manufacturing

Built Up Area : 2,163 m²

Cleanroom Area : 1,100 m²

Clean Class : Class 100K (ISO 8) (1000m²), Class 10K (ISO 7) (100m²), GMP C & D



PENTAX MEDICAL SDN.BHD.

PHARMACEUTICAL CLEANROOM



Construction time : April 2021
Location : Bayan Lepas,
Penang, Malaysia
Industries : Endoscope
Manufacturing
Built Up Area : 5,000 m²
Cleanroom Area : 1,000 m²
Clean Class : GMP Grade D



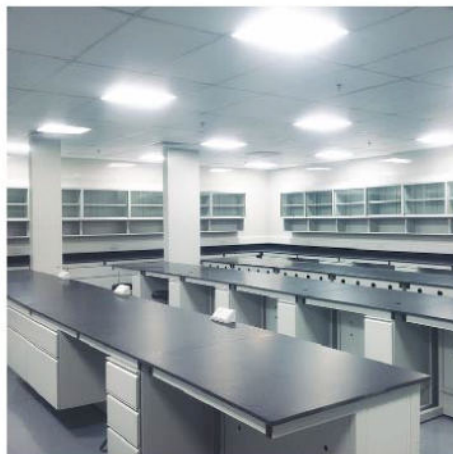
Construction Time : November 2018
Location : Penang Science Park, Penang, Malaysia.
Industries : Medical Device Manufacturing
Built Up Area : 8,500 m²
Cleanroom Area : 2,000 m²
Clean Class : GMP Grade D



**B.BRAUN MEDICAL INDUSTRIES
MALAYSIA SDN. BHD.**
PHARMACEUTICAL CLEANROOM



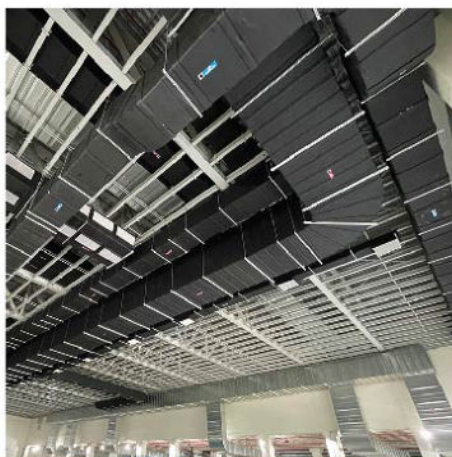
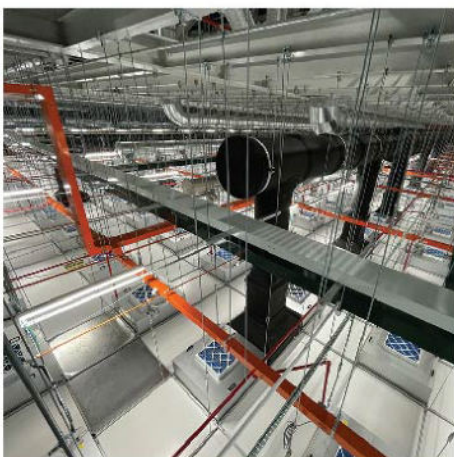
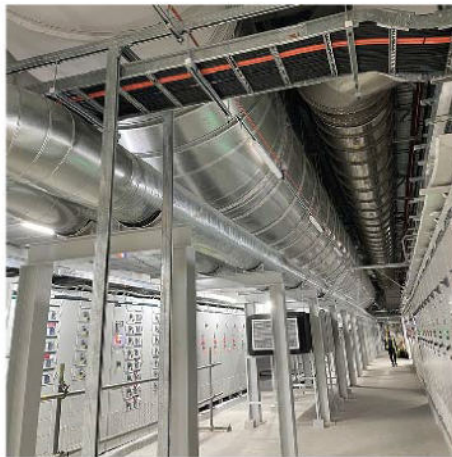
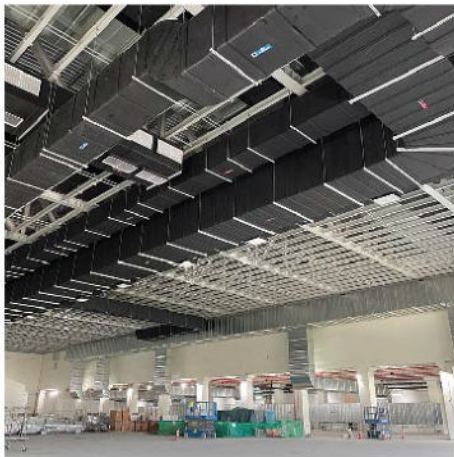
Construction Time : June 2013
Location : Bayan Lepas,
Penang, Malaysia.
Industries : Needle
Manufacturing
Built Up Area : 9,500 m²
Cleanroom Area : 1,600 m²
Clean Class : GMP Grade D



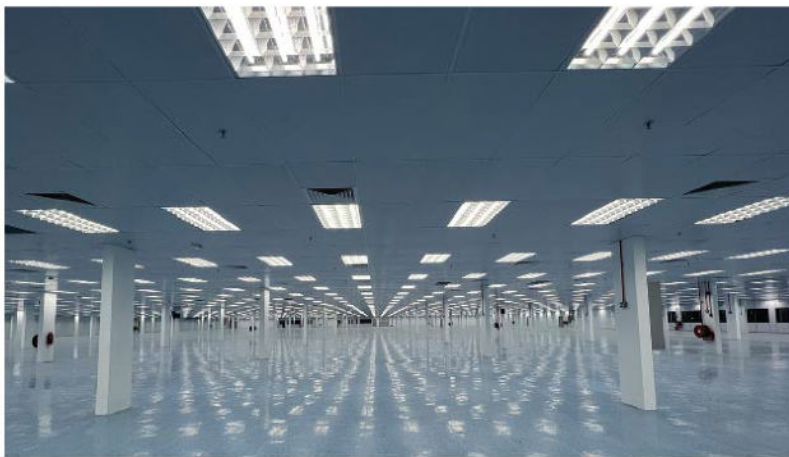
Construction Time : July 2014
Location : KHTP, Kedah,
Malaysia.
Industries : Pharmaceutical
Built Up Area : 9,900 m²
Cleanroom Area : 3,300 m²
Clean Class : GMP Class D



OSRAM OPTO SEMICONDUCTORS (MALAYSIA) SDN. BHD. MEP PROJECT



Construction Time : September
2022 (Ducting Management)
Location : KHTP, Kedah,
Malaysia.
Industries : Optical Solutions
Built Up Area : 36,925 m²
MEP Area : 113,556 m²



Constuction Time : January
 2021, March 2020
 Location : Bayan Lepas,
 Penang, Malaysia.
 Industries : PCB Manufacturing
 and Development Service
 Built Up Area : 23,000 m²
 MEP Area : 18,000 m²



NGK GLOBETRONICS TECHNOLOGY SDN. BHD.

MEP PROJECT



Constuction Time : August 2020

Location : Bayan Lepas,
Penang, Malaysia.

Industries : Substrates & RF
Packages

Built Up Area : 8,000 m²

MEP Area : 1,500 m²

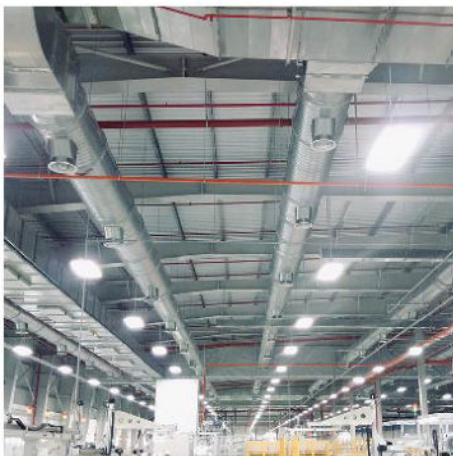


Construction Time : March 2024
Location : Bayan Lepas, Penang,
Malaysia.
Industries : Precision Machining
Manufacturing and Electro-
Mechanical
Built Up Area : 800 m2
MEP Area : 300 m2



HANWHA Q CELLS MALAYSIA SDN.BHD.

MEP PROJECT



Construction Time : March 2015
Location : Cyberjaya, Selangor,
Malaysia.

Industries : Photovoltaics Solar
Cells

Built Up Area : 52,000 m²

MEP Area : 48,000 m²



Construction time : October 2016

Location : KHTP, Kedah, Malaysia

Industries : Vacuum Pumps Manufacturing

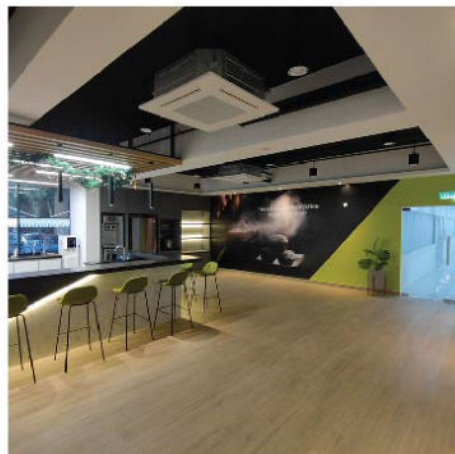
Built Up Area : 660 m²

MEP Area : 660 m²

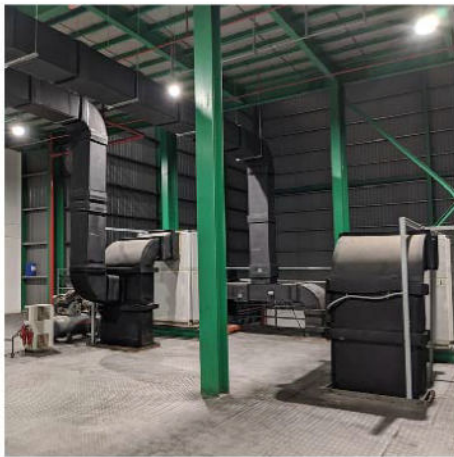


FAMILY CEREAL SDN. BHD.

FOOD AND COSMETIC CLEANROOM



Construction Time : April 2021
Location : Seberang Jaya,
Penang, Malaysia.
Industries : Food Ingredients
Built Up Area : 30,000 m²
MEP Area : 20,000 m²



Constuction Time : October 2014 to present

Location : Kulim, Kedah, Malaysia.

Industries : Food Ingredients

Built Up Area : 15,000 m²

MEP Area : 8,000 m²



OVERSEA PROJECT REFERENCE



**CARSEM SEMICONDUCTOR
(SUZHOU) CO.,LTD**
MICROELECTRONICS CLEANROOM



**YUANSHAN ADVANCED MATERIAL
TECHNOLOGIES INC.**
MICROELECTRONICS CLEANROOM



**WUHAN RAYCUS FIBER LASER
TECHONLOGIES CO.,LTD.**
MICROELECTRONICS CLEANROOM



STATSCHIPPAC (SHANGHAI) CO.,LTD.
MICROELECTRONICS CLEANROOM





CMAB BIOPHARMA (SUZHOU) INC.
PHARMACEUTICAL CLEANROOM



STERIMED (SUZHOU) CO.,LTD.
PHARMACEUTICAL CLEANROOM



SUMITOMO PHARMA (SUZHOU) CO.,LTD
PHARMACEUTICAL CLEANROOM



**GUIZHOU XINBANG PHARMACEUTICAL
CO.,LTD**
PHARMACEUTICAL CLEANROOM





PFEIFFER VACUUM (SHANGHAI) CO.,LTD

MEP PROJECT



ZF CHINA INVESTMENT CO.,LTD.

MEP PROJECT



U-SHIN MANUFACTURE (WUXI) CO.,LTD

MEP PROJECT



SUZHOU ETRON TECHNOLOGIES CO.,LTD.

MEP PROJECT



COOPERATION PARTNERS



REMARK

REMARK



ELCO ADVANCE ENGINEERING (M) SDN. BHD.

Tel : +604 - 281 5760 Fax : +604 - 283 5760
Email : enquires@elco-engineering.com.my
Website : www.elco-engineering.com.my
Address : 54-1-6, Wisma Sri Mata, Jalan Van Praagh,
11600 Penang, Malaysia.

ELCO ENGINEERING CO.,LTD

Tel : +86 - 512 - 6274 3155 Fax : +86 - 512 - 6280 2982
Email : enquires@elco-engineering.com
Website : www.elco-engineering.com
Address : Block 4, Room 705, Tian Xiang Technology
Industrial Park, No.666, Feng Ting Road,
Suzhou, China.