

COMPANY PROFILE



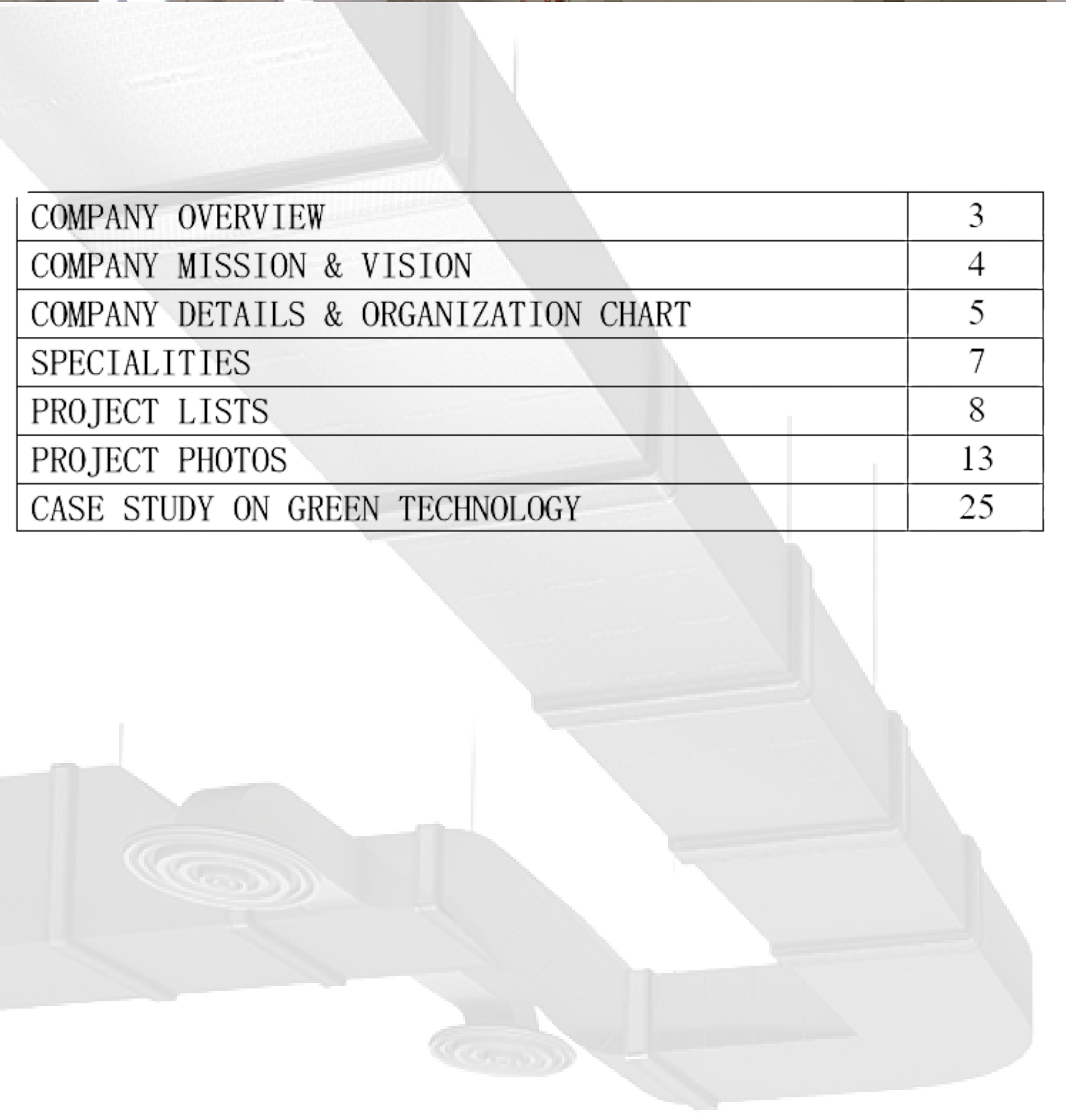
SCL ENGINEERING (M) SDN BHD





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ABOUT US

SCL ENGINEERING (M) SDN BHD. (formerly known as SCL Trading (M) Sdn. Bhd.) has been established since 1989.

SCL Engineering (M) Sdn. Bhd. has built up workforce of experienced engineers, technicians and contractors who have the expertise to ensure the work and project run smoothly. We are registered under CIDB Malaysia in Grade 'G7'.



ABOUT US

MISSION

- To deliver reliable, efficient and excellent engineering and construction solutions, exceeding our client's expectation.
- We provide high quality products and service that exceed our clients' expectation at the most reasonable price.
- We create service related solutions for our clients and build a professional relationship with them.

VISION

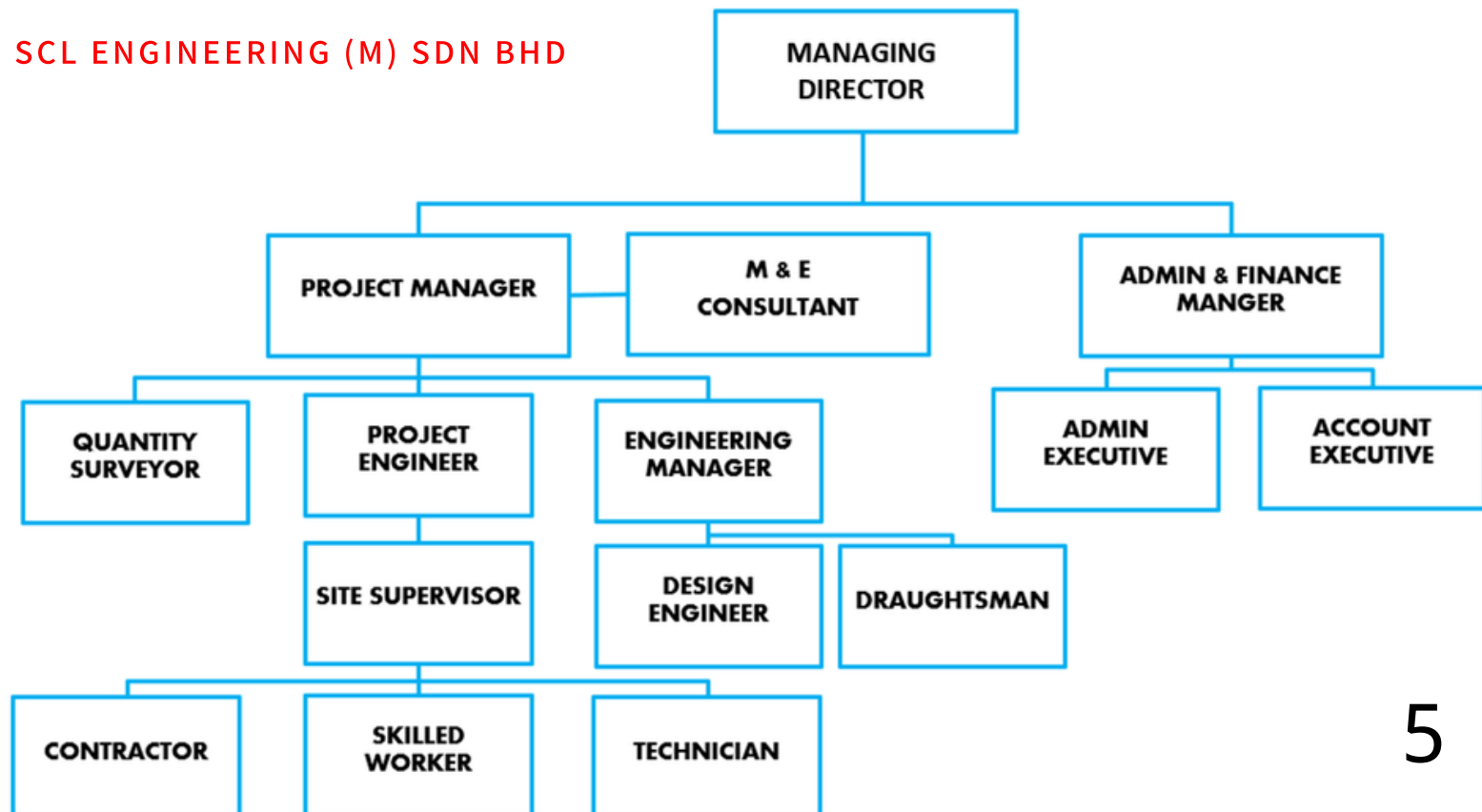
To be a one-stop service and solution provider that clients seek.

THE ORGANIZATION

COMPANY DETAILS

Company Name	: SCL ENGINEERING (M) SDN BHD
Company Registration No.	: 390088-V
CIDB Registration No.	: 1990713-SL052941
CIDB Contractor Grade	: G7
Company Address	: 47, Jalan Selat Selatan 20 , Portland Industrial Park, Pandamaran, 42000, Port Klang, Selangor Darul Ehsan, Malaysia.
Telephone Number	: (603) 3167 2731
Email Address	: scl.engsb@gmail.com
Secretary	: NEK CORPORATE SERVICES SDN BHD No. 2B, Jalan Tapah Off Jalan Goh Hock Huat, 41400 Klang, Selangor Darul Ehsan.
Banker	: Public Bank Berhad CIMB Bank Berhad

ORGANIZATION CHART



PERAKUAN PENDAFTARAN

Adalah dengan ini diperakui bahawa kontraktor yang dinyatakan di bawah ini telah berdaftar dengan Lembaga mengikut Bahagian VI Akta Lembaga Pembangunan Industri Pembinaan Malaysia 1994. Pendaftaran ini adalah tertakluk kepada syarat-syarat yang telah ditetapkan bersama perakuan ini.

No. Pendaftaran : 1990713-SL052941
Nama Kontraktor : SCL ENGINEERING (M) SDN. BHD.
Alamat Berdaftar : LOT 42020-3-2 (3RD FLOOR), WISMA WCC BAYU, JALAN BATU UNJUR 7,
TAMAN BAYU PERDANA,
41200 KLANG
Daerah : KLANG
Tarikh Mula Berdaftar : 09/07/1999

<u>GRED</u>	<u>KATEGORI</u>	<u>PENGGHUSUSAN</u>
G7	B	B04
G7	CE	CE21
G7	ME	M15

Tarikh Mula Berkuatkuasa : **11/06/2021**

Tarikh Habis Tempoh Perakuan : **29/07/2024**

STATUS: AKTIF



Ketua Eksekutif
Lembaga Pembangunan Industri Pembinaan Malaysia
Tarikh: 11/06/2021

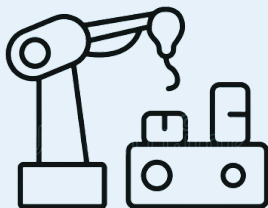


OUR SPECIALITIES

DESIGN AND BUILD



- **Critical Pipeline** - Installation and maintenance of **underground piping system, thermal oil transfer line, Liquid Nitrogen Freezing System**, etc.
- **Chemical Pipeline Solution** - Design and install **high corrosive resistance pipes** that consist flow of various chemicals, acids, alkalis, etc.
- **Gas Pipeline** - Design and build the pipeline for the smooth flow of **Natural Gas, Liquefied Natural Gas (LNG), Liquefied Petroleum Gas (LPG)**, etc.
- **HVAC, ACMV, Process Cooling System** - Design and built for **HVAC, ACMV, process cooling system** for heavy industry.
- **3D Production Line Design** - Design glove production line and utility dipping line using computer-aided design and drafting software application such as **AutoCAD, Autodesk Inventor (3D drawing)**, etc.

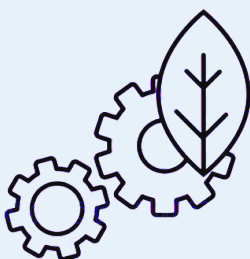


MANUFACTURING & ENGINEERING

- Manufacture ductwork.
- Manufacture components like fire damper, grille, stainless steel damper, damper and tanks.

ENVIRONMENTAL TECHNOLOGY

- Implement green technology for the industrial usage in order to protect the environment as well as save the cost of production.
- High Return on Investment (ROI) - Provide services and supports for the application of tax exemption.



**LIST OF PROJECT FOR SCL ENGINEERING (M) SDN. BHD.
(CURRENT PROJECT UNDERPROGRESS & PROJECT COMPLETED)**

A) CURRENT & COMPLETED PROJECT

DATE OF COMMENCEMENT	NAME OF CLIENT	PROJECT	TENDERED SUM (RM)	NAME OF M&E CONSULTANT	MAIN CONTRACTOR
2021	HL Advance	KUALA LUMPUR KEPONG BERHAD (KLK) Dipping Line and Piping System for 42 pieces Gloves	RM 1.5MIL	SCL & HL A	SCL Engineering (M) Sdn Bhd
2021	Central Medicare	CENTRAL MEDICARE GLOVES FACTORY (Block G) Design and Build : Smokespill system Design and Build : ACMV System	RM 15.1MIL	SCL & CM	SCL Engineering (M) Sdn Bhd
2021	Encompass Industries	ENCOMPASS INDUSTRIES Design and Build : Process Cooling System (Chiller Plant Room)	RM 1.6MIL		SCL Engineering (M) Sdn Bhd
2021	Tyco Fire & Services	JOHNSON CONTROL - HITACHI Design and Build : Exhaust System	RM 690K		SCL Engineering (M) Sdn Bhd
2021	Hong Seng Gloves Factory	HONG SENG GLOVES FACTORY (Block A) Design and Build : Smoke Spill System Design and Build : ACMV System Design and Build : HVAC System Design and Build : Cooling system (Dipping Line) Design and Build : Caustic Soda System Design and Build : Boiler Room SADA Water Supply Design and Build : Heating & Cooling System (Thermal Oil, Hot Steam Boiler) Design and Build : Compounding Chemical System Design and Build : Corrosion prevention and control	RM 7.3MIL		SCL Engineering (M) Sdn Bhd
2021	KYB-UMW	KYB-UMW MALAYSIA SDN BHD Environmental Green Technology : Air Pollution System	RM 300K		SCL Engineering (M) Sdn Bhd
2021	Central Medicare	CENTRAL MEDICARE GLOVES FACTORY (Block F) Design and Build : Process Cooling System	RM 1.40MIL	SCL & CM	SCL Engineering (M) Sdn Bhd
2020	YTY Industry	YTY INDUSRY SDN BHD (Block A, B) Design and Build : Smokespill system Design and Build : Pipeline Insulation Job	RM 7.5MIL	MaxPro	SCL Engineering (M) Sdn Bhd
2020	Green Prospect	GREEN PROSPECT SDN BHD (Block D) Environmental Green Technology : RCR System ROI : 1.5 Years for Gloves Production (Dipping Line) Block F Design and Build : ACMV System	RM 600K		SCL Engineering (M) Sdn Bhd

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DATE OF COMMENCEMENT	NAME OF CLIENT	PROJECT	TENDERED SUM (RM)	NAME OF M&E CONSULTANT	MAIN CONTRACTOR
2020	Central Medicare	<u>CENTRAL MEDICARE GLOVES FACTORY</u> Block F Design and Build : Smokespill system Design and Build : ACMV System Design and Build : Process Cooling System Manufacturing & Engineering : Chiller Plant Room Equipments Design and Build : Chilled Water AHU Design and Build : Primary Chilled Water System	RM 9.4MIL	SCL & CM	SCL Engineering (M) Sdn Bhd
2019	Sunway Velocity Mall	<u>SUNWAY VELOCITY MALL</u> Design and Build : ACMV System	RM 560K		SCL Engineering (M) Sdn Bhd
2019	RHB Trustees Berhad	<u>SUNWAY PYRAMID</u> Design and Build : ACMV System Design and Build : Exhaust System Design and Build : Chilled Water Pipe Work	RM 490K		SCL Engineering (M) Sdn Bhd
2018	YTY Industry	<u>YTY INDUSRY SDN BHD</u> Design and Build : Smokespill system Design and Build : ACMV System Design and Build : Pipeline Insulation Job	RM 4.5MIL	Maxpro	SCL Engineering (M) Sdn Bhd
2018	Encompass	<u>ENCOMPASS INDUSTRIES GLOVES PRODUCTION LINE</u> Design and Build : ACMV System Design and Build : Chilled Water Pipeline System Design and Build : Pipeline Insulation Job <u>ENCOMPASS INDUSTRIES GLOVES PACKAGING AREA</u> Design and Build : ACMV System Design and Build : Ventilation System Design and Build : Pipeline Job	RM 1.5MIL	In House	SCL Engineering (M) Sdn Bhd

**LIST OF PROJECT FOR SCL ENGINEERING (M) SDN. BHD.
(CURRENT PROJECT UNDERPROGRESS & PROJECT COMPLETED)**

A) CURRENT & COMPLETED PROJECT

DATE OF COMMENCEMENT	NAME OF CLIENT	PROJECT	TENDERED SUM (RM)	NAME OF M&E CONSULTANT	MAIN CONTRACTOR
2018	Central Medicare	<u>CENTRAL MEDICARE GLOVES FACTORY</u> Block E Design and Build : Smokespill system Design and Build : Primary Chilled Water System	RM 10.20MIL	Primedge Consult	SCL Engineering (M) Sdn Bhd
2017	Encompass	<u>ENCOMPASS INDUSTRIES GLOVES FACTORY</u> Design and Build : ACMV System Design and Build : Pipeline Job Design and Build : Process Cooling System Design and Build : Primary Chilled Water System	RM 3.4MIL	In House	SCL Engineering (M) Sdn Bhd
2016	Central Medicare	<u>CENTRAL MEDICARE GLOVES FACTORY</u> Block A & B Design and Build : Chilled Water AHU Design and Build : Primary Chilled Water System	RM 1.1MIL	Primedge Consult	SCL Engineering (M) Sdn Bhd
2016	Central Medicare	<u>CENTRAL MEDICARE GLOVES FACTORY</u> Block A & B Design and Build : ACMV System Design and Build : Pipeline Job Design and Build : Ventilation System	RM 1.8MIL	Primedge Consult	SCL Engineering (M) Sdn Bhd
2016 ~ 2018	Kuantan Apartment	<u>KUANTAN APARTMENT</u> Block A,B,C & D (520 Units @ 4 Blocks) Design and Build : ACMV System Design and Build : Lift Ventilation System Design and Build : TNB Substation	RM 230K	EP Consult Sdn Bhd	Bumida Engineering & Construction Sdn Bhd
2015~ 2016	Green Prospect Sdn Bhd	<u>GREEN PROSPECT SDN BHD</u> Block E & F Design and Build : Pipeline System Design and Build : AHU and Exhuast System	RM 3MIL	Primedge Consult	SCL Engineering (M) Sdn Bhd

**LIST OF PROJECT FOR SCL ENGINEERING (M) SDN. BHD.
(CURRENT PROJECT UNDERPROGRESS & PROJECT COMPLETED)**

A) CURRENT & COMPLETED PROJECT

DATE OF COMMENCEMENT	NAME OF CLIENT	PROJECT	TENDERED SUM (RM)	NAME OF M&E CONSULTANT	MAIN CONTRACTOR
2015	Sime Darby Research Sdn Bhd	<u>SIME DARBY</u> Design and Build : Ventilation System	RM 130K	In House Consultant	Budaya Kaya Sdn Bhd
2014 ~ 2015	CJ E&C Malaysia Sdn Bhd	<u>CJ E&C MALAYSIA SDN BHD</u> Design and Build : ACMV System	RM 1.3MIL		SCL Engineering (M) Sdn Bhd
2014	Hong Leong Yamaha Motor Sdn Bhd	<u>HONG LEONG YAMAHA MOTOR SDN BHD</u> Design and Build : Air Cooling System Design and Build : ACMV System Design and Build : Ventilation System	RM 73K	In house Consultant	SCL Engineering (M) Sdn Bhd
2014	Green Prospect Sdn Bhd	<u>GREEN PROSPECT SDN BHD</u> Block C &D Design and Build : ACMV System Design and Build : Ventilation System Design and Build : Pipeline Job	RM 3MIL	Primedge Consult	SCL Engineering (M) Sdn Bhd
2013	Green Prospect Sdn Bhd	<u>GREEN PROSPECT SDN BHD</u> Design and Build : Pipeline System Design and Build : Pipeline Insulation Job Silicone tank, latex tank, chemical tank	RM 95K	In house project department	SCL Engineering (M) Sdn Bhd
2013	KYB-UMW Malaysia Sdn Bhd	<u>KYB-UMW MALAYSIA SDN BHD</u> Design and Build : Ventilation System Design and Build : Cooling system	RM 55K	In house project department	SCL Engineering (M) Sdn Bhd
2013	Hong Leong Yamaha Motor Sdn Bhd	<u>HONG LEONG YAMAHA MOTOR SDN BHD</u> Design and Build : Air Cooling System	RM 61.6K	In house Consultant	SCL Engineering (M) Sdn Bhd

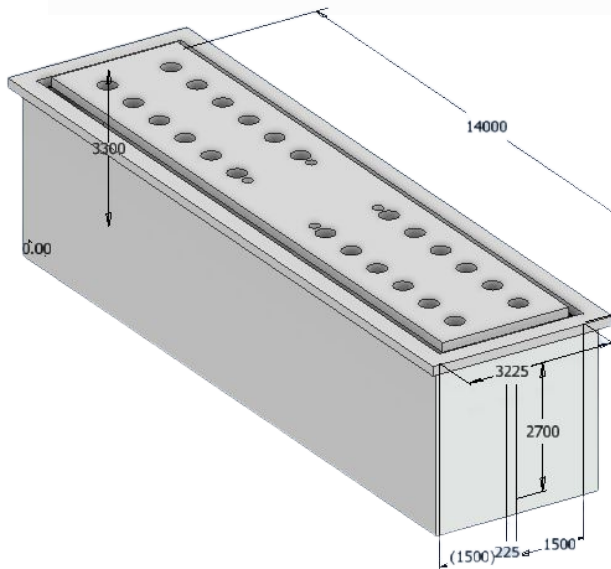
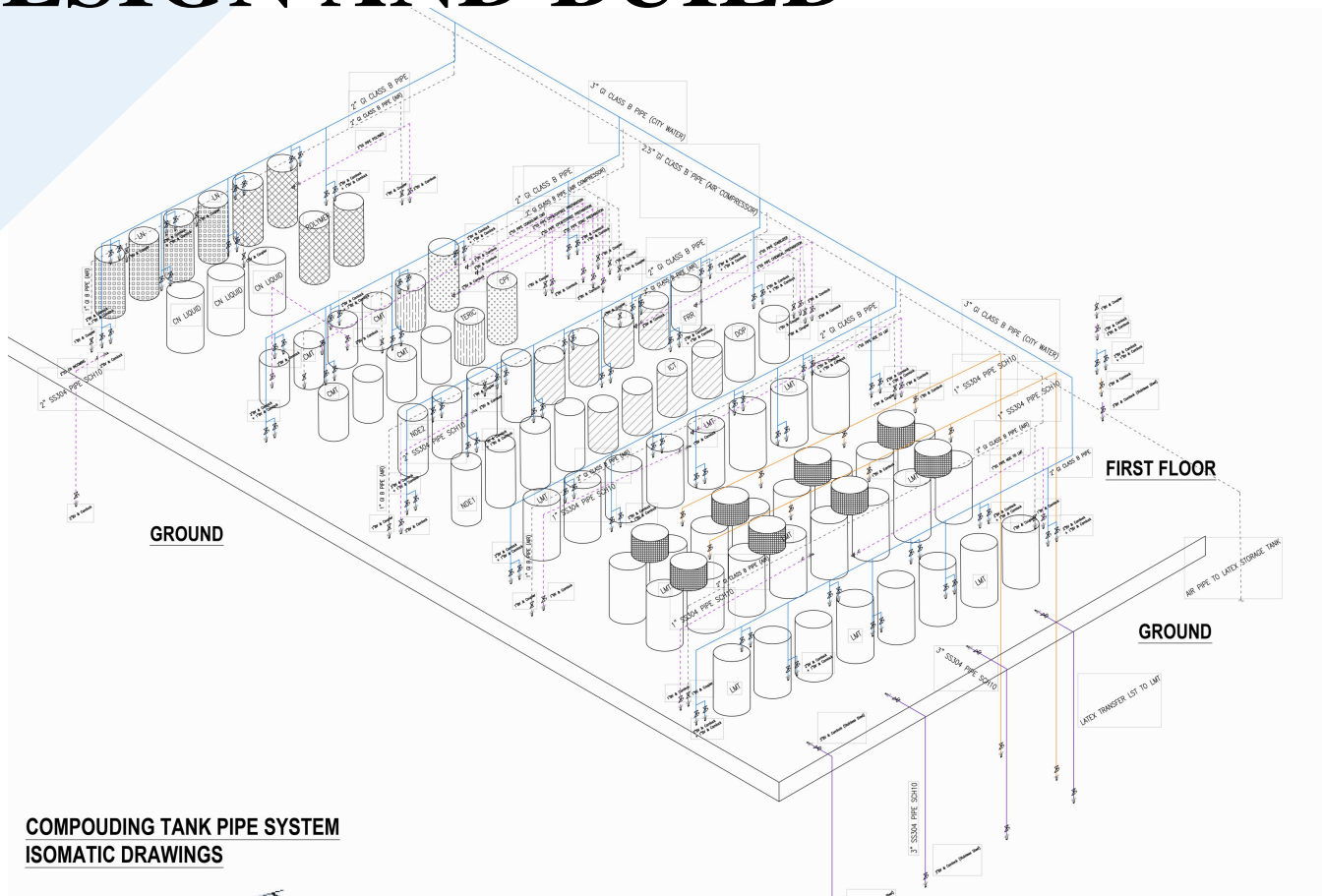
**LIST OF PROJECT FOR SCL ENGINEERING (M) SDN. BHD.
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A) CURRENT & COMPLETED PROJECT

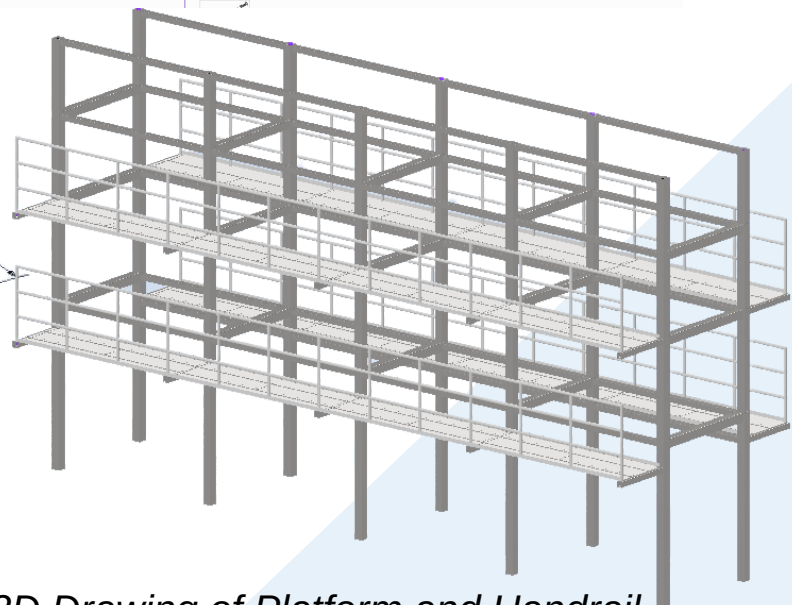
DATE OF COMMENCEMENT	NAME OF CLIENT	PROJECT	TENDERED SUM (RM)	NAME OF M&E CONSULTANT	MAIN CONTRACTOR
2013	YTY Industry Sdn Bhd	<u>YTY INDUSRY SDN BHD</u> Design and Build : ACMV System Design and Build : Ventilation System Design and Build : Chilled Water Pipeline System	RM 845K	Primedge Consult	SCL Engineering (M) Sdn Bhd
2013	BioAlpha International Sdn Bhd	<u>BIOALPHA INTERNATIONAL SDN BHD</u> Design and Build : Ventilation System Design and Build : Refirgerant Piping Work	RM 340K		SCL Engineering (M) Sdn Bhd
2012	Green Prospect Sdn Bhd	<u>GREEN PROSPECT SDN BHD</u> Design and Build : ACMV System Design and Build : Pipeline System	RM 225K	In house project department	SCL Engineering (M) Sdn Bhd
2012	Tiong Tat Printing Industry Sdn Bhd	<u>TIONG TAT PRINTING INDUSTRY SDN BHD</u> Design And Build : Air-Conditioning System	RM 100K	In house project department	SCL Engineering (M) Sdn Bhd
2012	YTY Industry Sdn Bhd	<u>YTY INDUSRY SDN BHD</u> Design and Build : ACMV System	RM 125K	In house project department	SCL Engineering (M) Sdn Bhd
2011	YPC (M) Sdn Bhd	<u>YPC (M) SDN BHD</u> Design and Build : Insulation piping system Design and Build : Upgrading Cooling Tower System	RM 215K	In house project department	SCL Engineering (M) Sdn Bhd
2011	YPC (M) Sdn Bhd	<u>YPC (M) SDN BHD</u> Design and Build : ACMV System	RM 150K	In house project department	SCL Engineering (M) Sdn Bhd
2011	YTY Industry Sdn Bhd	<u>YTY INDUSRY SDN BHD</u> Design and Build : ACMV System Design and Build : Chilled Water pipeline System	RM 1.35MIL	In house project department	SCL Engineering (M) Sdn Bhd
2011	Green Prospect Sdn Bhd	<u>GREEN PROSPECT SDN BHD</u> Design and Build : ACMV System	RM 236K	In house project department	SCL Engineering (M) Sdn Bhd

OUR PROJECTS

DESIGN AND BUILD



3D Drawing of Mixing Tank

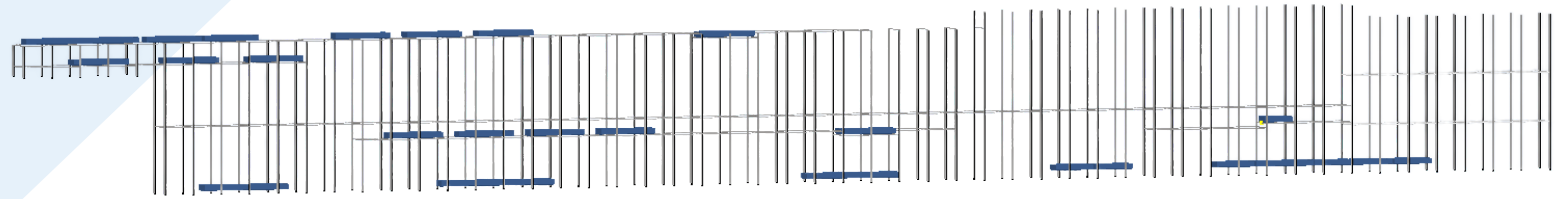


3D Drawing of Platform and Handrail
in Production Line.

OUR PROJECTS

DESIGN AND BUILD

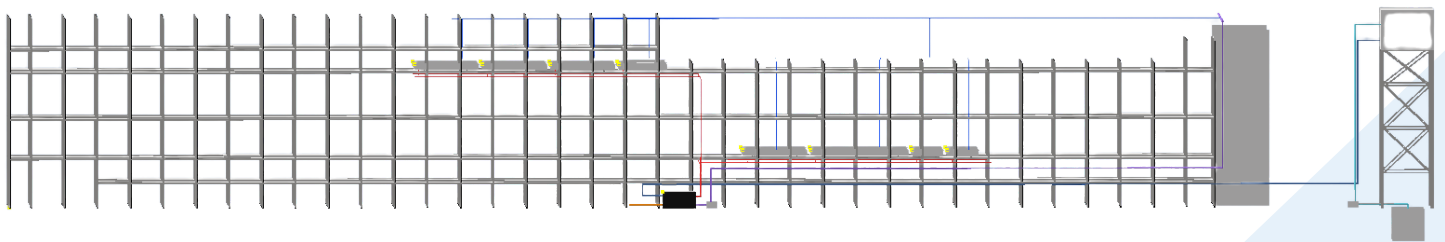
3D PRODUCTION LINE



3D Framework of Glove Production Line



3D Drawing of Complete Glove Production Line with Tank Positions



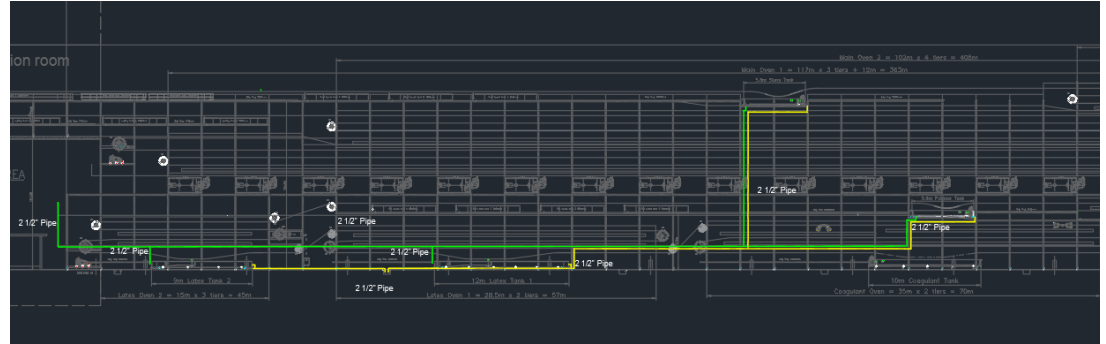
3D Drawing (Side View) for Leaching Process Dipping Line

The 3D drawings are illustrated using Autodesk Inventor

OUR PROJECTS

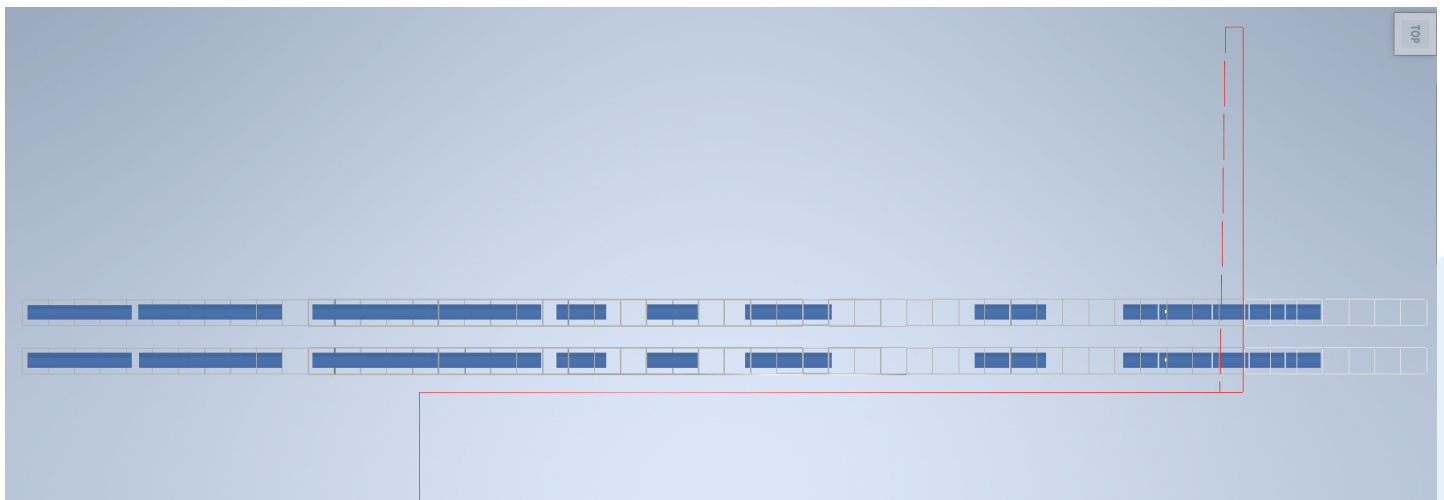
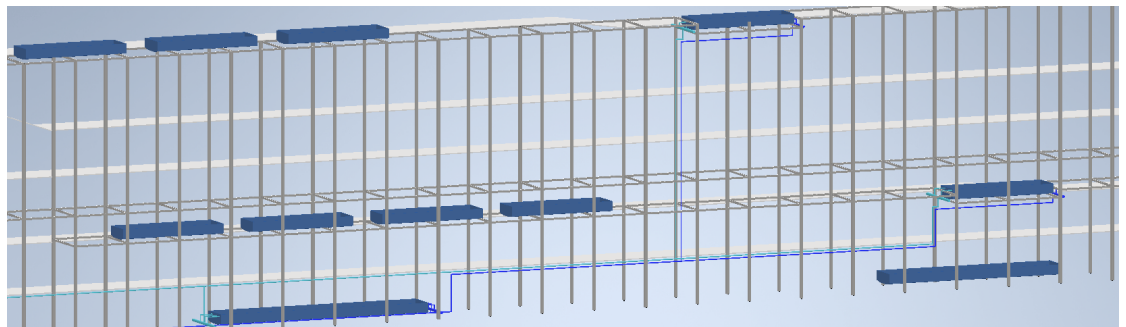
DESIGN AND BUILD

3D PRODUCTION LINE



2D Drawing of Chiller Piping (zoomed)

3D Drawing of Chiller Piping based on the 2D AutoCAD Drawing (zoomed)



3D Drawing of Improvised Air Compressor Piping System Design

This design is proposed to our client in order to achieve constant air flow throughout the whole plant.

The 3D drawings are illustrated using Autodesk Inventor

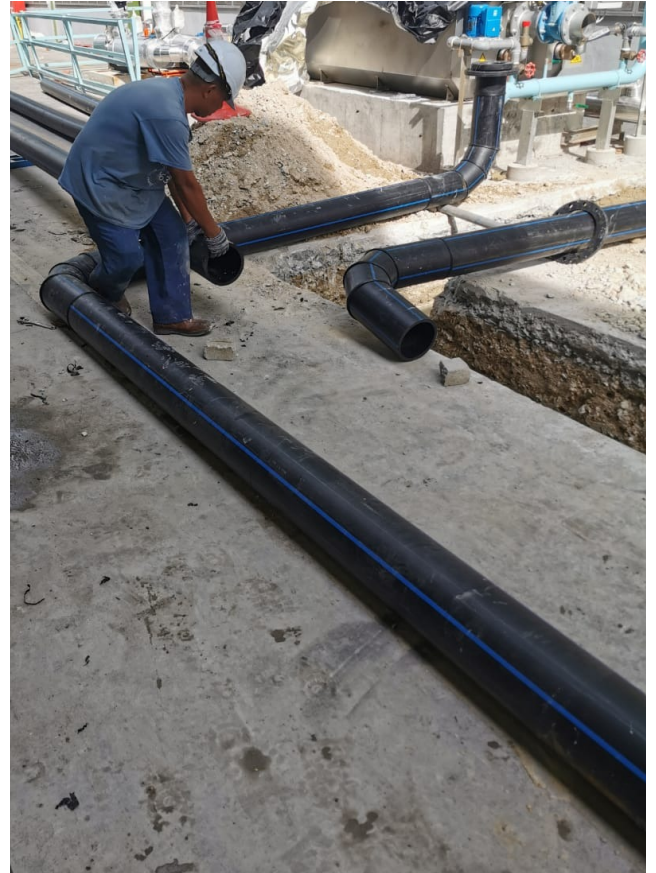
OUR PROJECTS

DESIGN AND BUILD

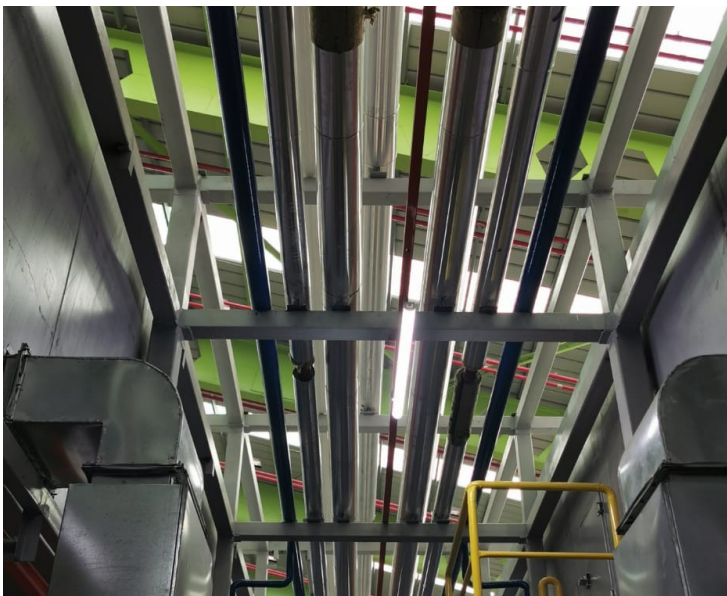
CRITICAL PIPING SYSTEM



UNDERGROUND PIPING SYSTEM



THERMAL OIL, NATURAL GAS PIPELINE SYSTEM



LIQUID NITROGEN FREEZING SYSTEM



OUR PROJECTS

INSTALLATION OF CHILLER AND PIPING SYSTEM

PROJECT: CENTRAL MEDICARE GLOVES FACTORY

LOCATION: TELUK INTAN, PERAK



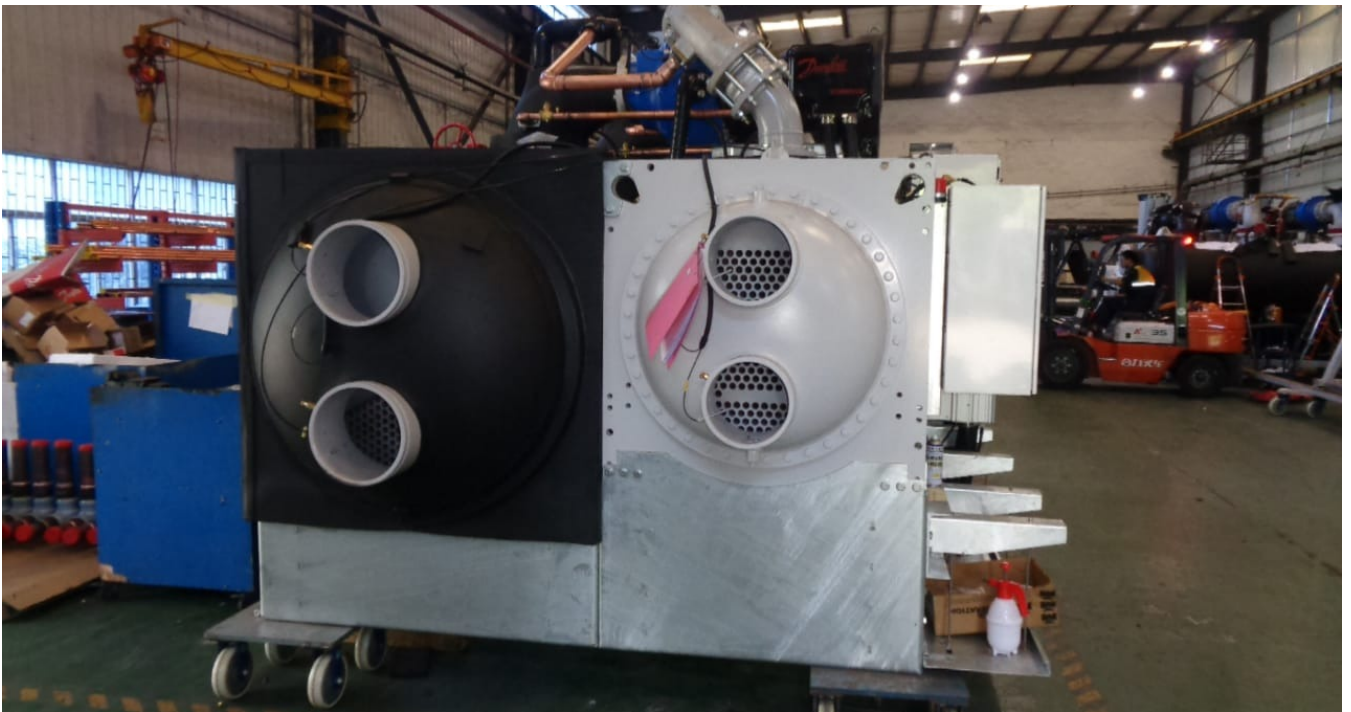
Chilled water supply and return pipe were designed and installation.

OUR PROJECTS

INSTALLATION OF MAGNETIC CHILLER (GREEN TECHNOLOGY)

PROJECT: CENTRAL MEDICARE GLOVES FACTORY

LOCATION: TELUK INTAN, PERAK



OUR PROJECTS

INSTALLATION OF COOLING TOWER AND HVAC SYSTEM

PROJECT: CENTRAL MEDICARE GLOVES FACTORY

LOCATION: TELUK INTAN, PERAK

Cooling Tower and the piping system were installed.



HVAC, Exhaust and Ventilation Ductwork were installed.

OUR PROJECTS

INSTALLATION OF ACMV, BOMBA AND VENTILATION SYSTEM

PROJECT: YTY INDUSTRY

LOCATION: SETIAWAN, PERAK

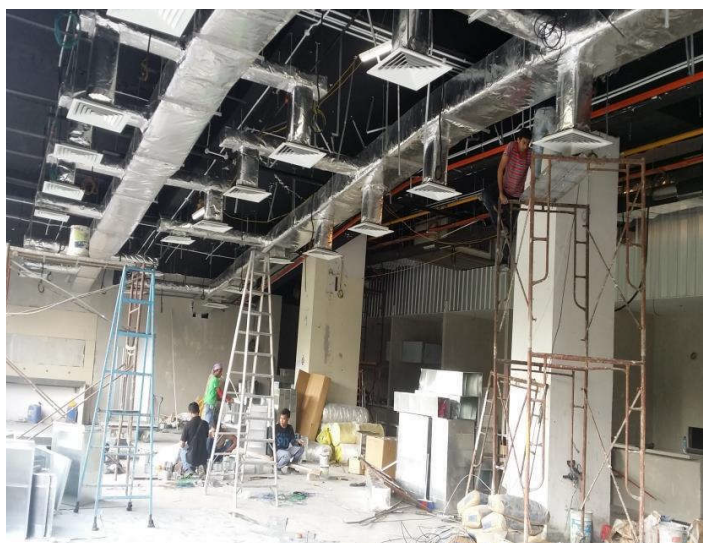


HVAC, Exhaust and Ventilation Ductwork were installed.

INSTALLATION OF ACMV, BOMBA AND VENTILATION SYSTEM

PROJECT: KL FESTIVAL CITY MALL FOOD COURT

LOCATION: KUALA LUMPUR



HVAC, Exhaust and Ventilation Ductwork were installed.

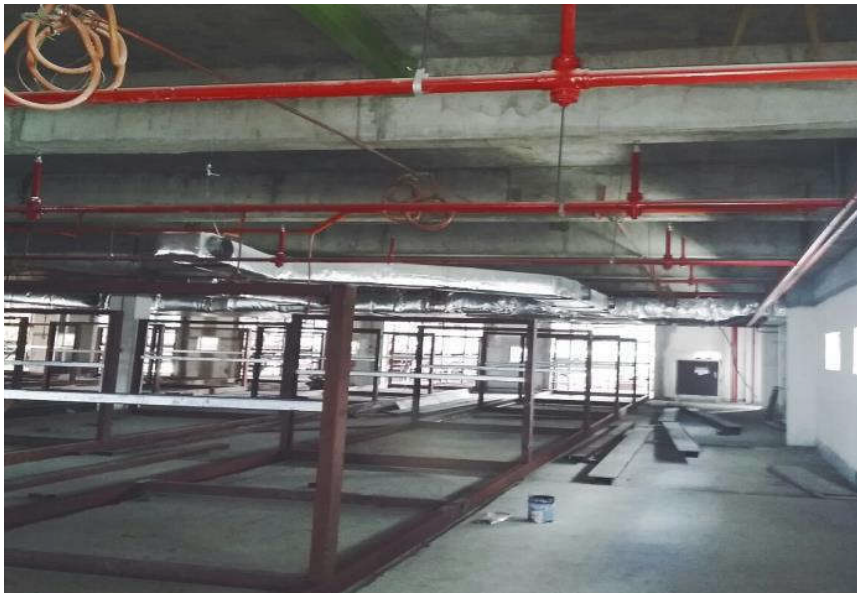
OUR PROJECTS



Air Handling Unit (AHU)



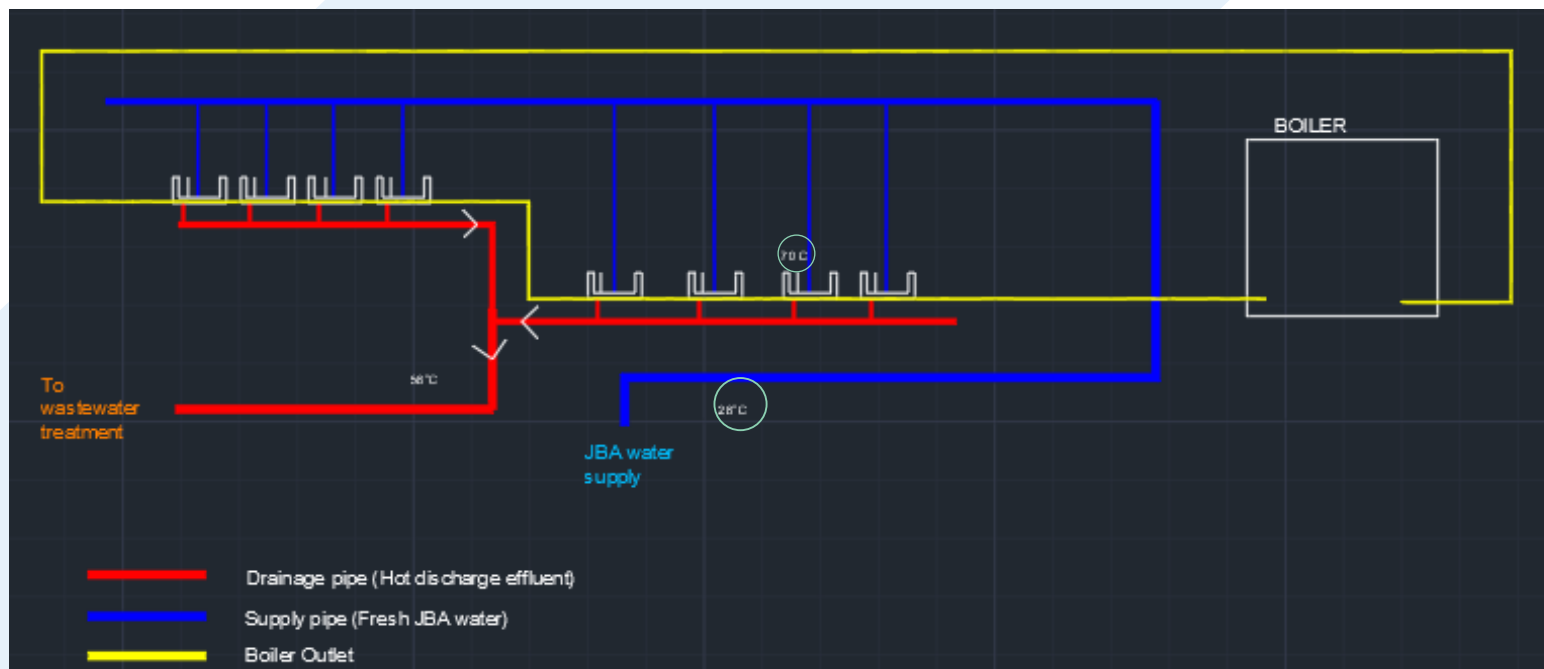
Rotary Heat Exchanger



Air Conditioning

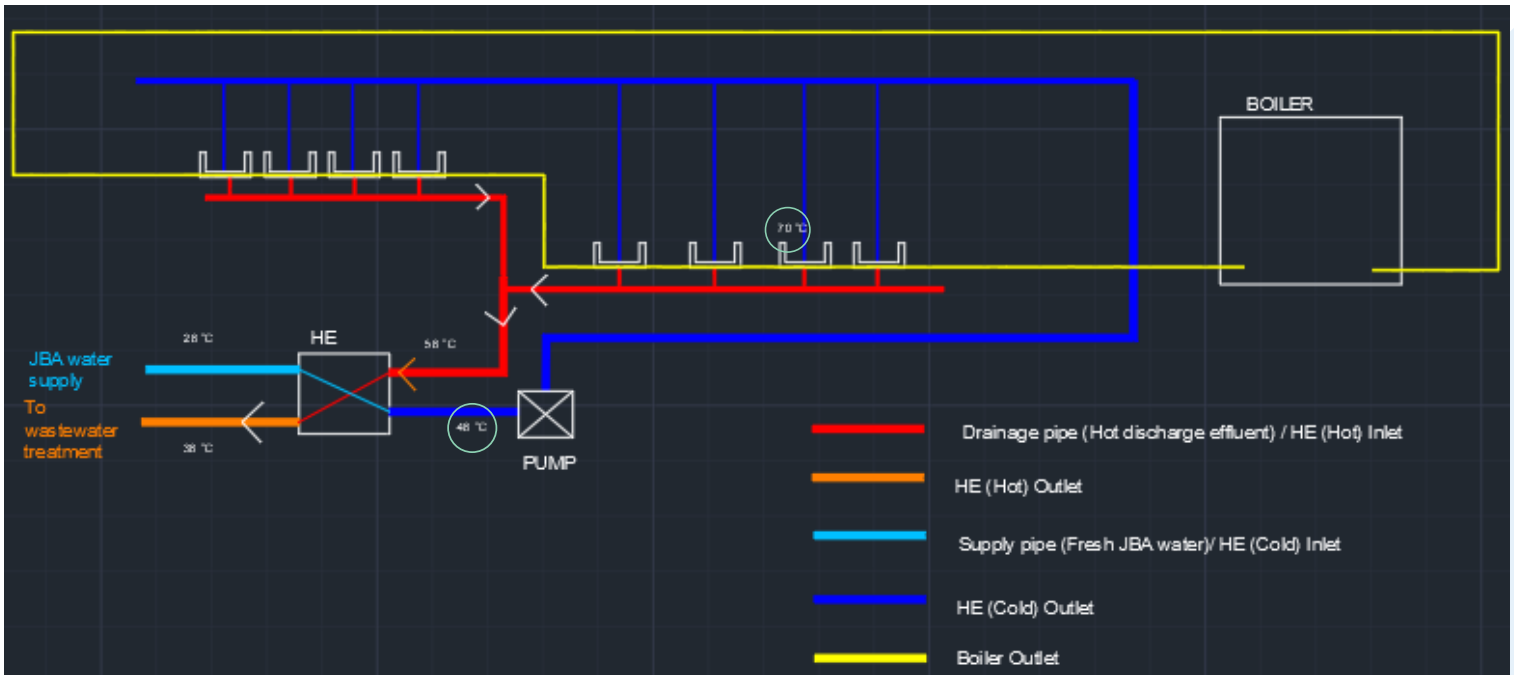
CASE STUDY

Rotary Heat Exchanger



Leach Tank Schematic Diagram (Before Heat Exchanger)

Leaching process, separated to pre-leaching and post-leaching, is involved in glove manufacturing where the gel formed on the glove former is washed and rinsed with flowing water at elevated temperature. In this case, leaching process is carried out at around 70 °C. Before having a heat exchanger, the JBA water is supplied at 28°C and is heated up to 70°C for the leaching process. The heat required to heat up the water is provided by combustion of natural gas in boiler.



Leach Tank Schematic Diagram (After Heat Exchanger)

After having the Rotary Heat Exchanger, The energy from the effluent is recovered by the JBA water supply, increasing the temperature before going into the boiler. The JBA water supplied to leach tank is at 48°C instead of 28°C. Therefore, the amount of natural gas required to heat the water from 48°C to 70°C is lesser than from 28°C to 70°C. This eventually reduces the fuel consumption and its cost.

Dirty Water		
Flow	60	m ³ /hr
Inlet Temp	28	Deg C
Outlet Temp	70	Deg C
Clean Water		
Flow	60	m ³ /hr
Inlet Temp	48	Deg C
Outlet Temp	70	Deg C
Heat Recovery Potential	1320000.00	kcal/hr
Boiler/ Burner Efficiency	90%	
Fuel	Natural Gas	
NCV	9000.00	kcal/ m ³
Equivalent Fuel Saving	162.96	m ³ /hr
Equivalent Fuel Saving	6.27	mmBTU/hr
Fuel Rate	36.42	MYR / mmBTU
Annual Working Hours	8640	
Annual Estimated Saving on Fuel	1,972,283	MYR

The Table shows the summary of fuel saving calculation based on the differences in delta T and the heat recovery potential.

Legend:

Customer process-specific data

- This estimated price here is solely on the savings of fuel used in boiler.