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PROJECT REPORT

Project Code:	SJMC02
Client:	RSD HOSPITALS SDN BHD
Facility:	Hotlab
Report No:	L-SJMC02-HTL-PR-13-R00
Report Date:	22-Feb-2023
Project Start Date:	02-Aug-2022
Project Completion Date:	22-Feb-2023
Number of Days Worked On-Site	162 DAYS
Report Prepared By:	LEONG WAI LEK
Remarks:	Final Report

DESIGN, CONSTRUCT, COMMISSION & VALIDATE (DCCV) OF A NEW HEATING, VENTILATION & AIR CONDITIONING (HVAC) AND INTERIOR FIT-OUT (IFO) SYSTEM COMPLIANCE TO PHARMACEUTICAL IN-CO OPERATION (PIC/S) AND CGMP STANDARDS FOR NEW HOTLAB AT SUBANG JAYA MEDICAL CENTRE, SELANGOR DARUL EHSAN.



Subang Jaya Medical Centre
SUBANG JAYA MEDICAL CENTRE
JALAN SS 12/1A
47500 SUBANG JAYA,
SELANGOR, MALAYSIA.



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LUFTER SDN BHD
C-5-05, (5th FLOOR), CAPITAL 3, OASIS SQUARE
NO. 2, JALAN PJU 1A/7A, ARA DAMANSARA,
47301 PETALING JAYA,
SELANGOR DARUL EHSAN.



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1.0 STAKEHOLDER INFORMATION

CLIENT:	SUBANG JAYA MEDICAL CENTRE JALAN SS 12/1A 47500 SUBANG JAYA, SELANGOR, MALAYSIA
CLEANROOM CONTRACTOR:	LUFTER SDN. BHD. C-05-05, CAPITAL 3 OASIS SQUARE, JALAN PJU 1A/7A ARA DAMANSARA, 47301 PETALING JAYA, SELANGOR DARUL EHSAN.



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2.0 SUMMARY OF WORK PROGRESS REPORT

No.	Scope of Works	Target %	Actual %
1	Kick Off Meeting	100	100
<u>Pre-Site Work</u>			
2	Dilapidation Report Preparation and Submission	100	100
3	Existing Site Measurement	100	100
<u>Design Stage</u>			
4	Construction Drawing Preparation, Submission & Approval	100	100
5	Material Preparation, Submission & Approval	100	100
6	DOE Notification and Declaration	100	100
<u>Duct Work</u>			
7	Concrete Wall Openings	100	100
8	Duct Bracket Installation	100	100
9	Duct Installation Work	100	100
10	Duct Pressure Test	100	100
11	Duct Insulation and Jacketing	100	100
<u>Panel Work</u>			
12	Wall Panel Installation	100	100
13	Ceiling Panel Installation	100	100
14	Manhole Installation	100	100
15	Coving Installation	100	100
16	Coring/Cut-Out	100	100
17	Lighting Frame Installation	100	100
18	Door & Removable Panel Installation	100	100
<u>Electrical Work</u>			
19	Control Panel Fabrication and Installation	100	100
20	Incoming Wiring/Tapping	100	100
21	Trucking & Conduit Installation	100	100
22	HVAC Control Wiring Work	100	100
23	SSO Wiring Work	100	100
24	Lighting Wiring Work	100	100
<u>Air Handling Unit (AHU)</u>			
25	AHU (AHU-1 & AHU-2) and HFC Installation	100	100



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No.	Scope of Works	Target %	Actual %
<u>Chilled Water Piping Work</u>			
26	Main CHWP Tapping Work	100	100
27	CHWP Installation	100	100
28	Valves & Fittings Installation	100	100
29	Water Pipe Pressure Test	100	100
30	Water Pipe Jacketing	100	100
31	Drain Pipe Installation	100	100
<u>HVAC Equipment Installation Works</u>			
32	Supply Diffusers & Exhaust Grilles Installation	100	100
33	Terminal HEPA Filter Installation	100	100
34	Bag-In Bag-Out (BIBO) Installation	100	100
35	Exhaust Fan Installation	100	100
36	Chimney Installation	100	100
<u>Sprinkler System Work</u>			
37	Range Pipe Installation at Above Ceiling	100	100
38	Sprinkler Head and Dropper Installation	100	100
<u>Flooring Work</u>			
39	Self-Levelling and Vinyl Flooring Installation at New Hot Lab	100	100
40	Vinyl Skirting Installation at New Hot Lab	100	100
41	Epoxy Rolled Paint Installation at New AHU Room	100	100
<u>Interior Fit-Out (IFO)</u>			
42	SUS Furniture Fabrication and Installation	100	100
43	Passbox Fabrication and Installation	100	100
44	Emergency Shower Installation	100	100
45	SSO/Isolator Switch Installation	100	100
46	Data IT Point Installation	100	100
47	Lighting Installation	100	100
48	Sink Installation	100	100
49	Hand Dryer Installation	100	100
<u>Extra Low Voltage (ELV) Works</u>			
50	ELV Wiring Work	100	100
51	CCTV Installation	100	100



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No.	Scope of Works	Target %	Actual %
52	Data Point Installation	100	100
53	Ceiling Speaker Installation	100	100
54	Intercom Installation	100	100
55	Emergency Revolving Light Installation	100	100
<u>Building Management System (BMS) Works</u>			
56	BMS Wiring Work	100	100
57	BMS Panel Fabrication and Installation	100	100
58	BMS System and IO Card Installation	100	100
<u>Testing & Commissioning (T&C) Works</u>			
59	Testing & Commissioning (HVAC Balancing/AHU/Exhaust Fans)	100	100
60	Testing & Commissioning (IFO & Accessories)	100	100
61	Testing & Commissioning (BMS)	100	100
<u>Validation Works (URS, FSDS, DQ, IQ, OQ)</u>			
62	Validation Documents Preparation	100	100
63	Validation Documents Submission	100	100
<u>Project Closing</u>			
64	Final Inspection	100	100
65	Defect Rectification	100	100
66	Handover Preparation (e.g., Operation & Manual (O&M))	100	100
67	On-Site User Training	100	100
Overall Contract Milestone until 22-Feb-2023		100%	100%
Refer to Work Programme/Schedule – L-SJMC02-HTL-WP-R02 (030123)			

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3.0 FINAL PHOTO



Image 1: SPECT/CT Hotlab Internal Site Condition (View 1)



Image 2 – SPECT/CT Hotlab Internal Site Condition (View 2)

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Image 3: SPECT/CT Hotlab Internal Site Condition (View 3)



Image 4: Clean Corridor Internal Site Condition (View 1)

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Image 5: Clean Corridor Internal Site Condition (View 2)



Image 6: PET/CT Hotlab Internal Site Condition (View 1)

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Image 7: PET/CT Hotlab Internal Site Condition (View 2)



Image 8: PET/CT Hotlab Internal Site Condition (View 3)

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Image 9: Airlock 1 Internal Site Condition



Image 10: Gown Room Internal Site Condition

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Image 11: Change Room 1 Internal Site Condition (View 1)

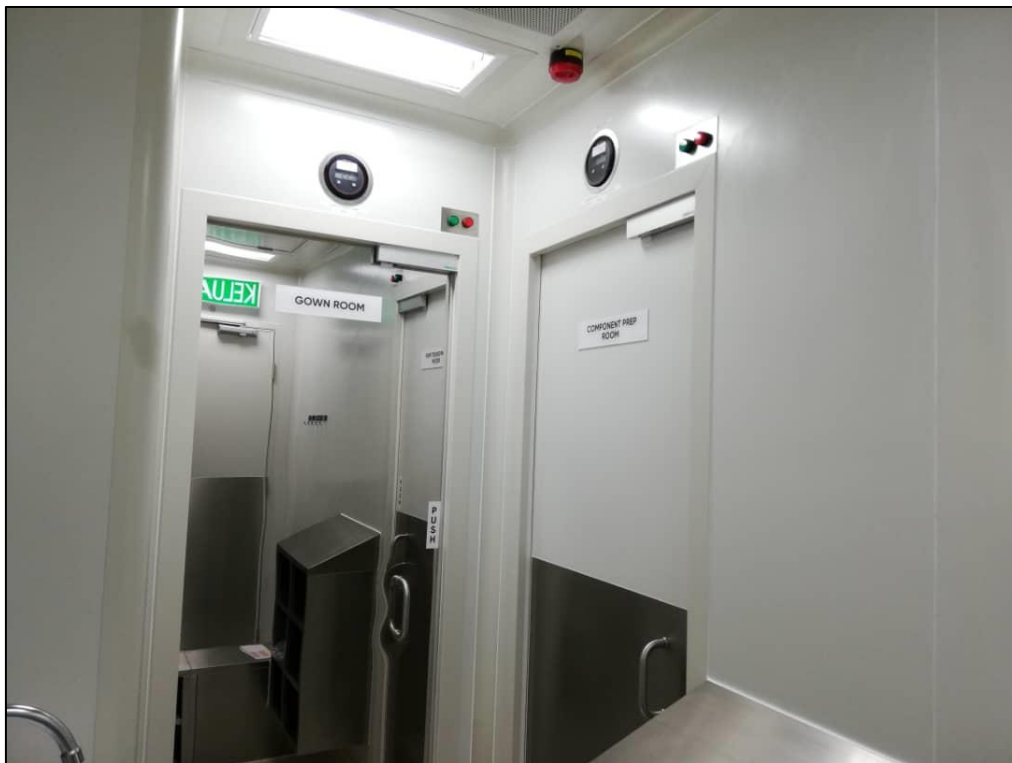


Image 12: Change Room 1 Internal Site Condition (View 2)

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Image 13: Change Room 1 Internal Site Condition (View 3)



Image 14: Component Preparation Room Internal Site Condition (View 1)

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Image 15: Component Preparation Room Internal Site Condition (View 2)



Image 16: Component Preparation Room Internal Site Condition (View 3)

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Image 17: QC Room Internal Site Condition (View 1)



Image 18: QC Room Internal Site Condition (View 2)

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Image 19: QC Room Internal Site Condition (View 3)



Image 20: Nurse Station Site Condition (View 1)

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Image 21: Nurse Station Site Condition (View 2)



Image 22: Nurse Station Site Condition (View 3)

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Image 23: Change Room 2 Internal Site Condition (View 1)



Image 24: Change Room 2 Internal Site Condition (View 2)

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Image 25: Radioiodine Room Internal Site Condition (View 1)



Image 26: Radioiodine Room Internal Site Condition (View 2)

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Image 27: Radioiodine Room Internal Site Condition (View 3)



Image 28: Transfer Room Internal Site Condition

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Image 29: Decay Room External Site Condition



Image 30: Rooftop Site Condition (View 1)

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Image 31: Rooftop Site Condition (View 2)



Image 32: New AHU Room for HotLab Internal Site Condition (View 1)

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Image 33: New AHU Room for HotLab Internal Site Condition (View 2)

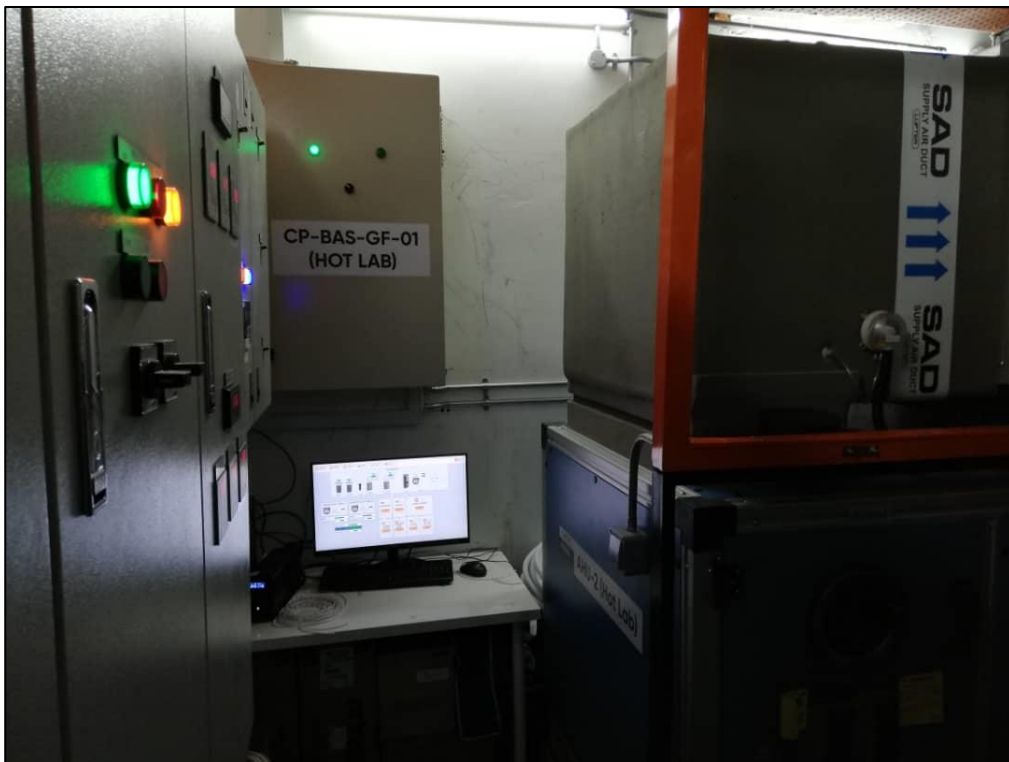


Image 34: New AHU Room for HotLab Internal Site Condition (View 3)