



# Revolutionizing Lab Safety & Economics For A Brighter & Smarter Workspace



**COMPANY  
PROFILE**

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2023/24

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# COMPANY OVERVIEW

Founded on a vision of excellence and innovation, JAD Solutions Pte Ltd stands as a beacon of quality and reliability in the realm of laboratory systems and solutions. Established by Mr. Damiiian Lee in 2007, we have been pioneers in revolutionizing laboratory environments, setting new standards for safety, efficiency, and performance. JAD Solutions began its journey as a one-man venture based in Cecil Street, initially serving as a dealer for BONPET automatic fire-extinguishers. However, by 2009, the company underwent a remarkable transformation, emerging as a leading provider of multi-disciplinary environmental control solutions. Before founding JAD Solutions Pte Ltd, Mr. Damiiian Lee had amassed an impressive 30-year tenure in the engineering field. During this extensive period, he embarked on designing critical environmental equipment specializing in air movement, including fume hoods, bubble air-tight dampers, venturi valves, and more. These initiatives demonstrate Mr. Damiiian Lee's early engagement in developing solutions crucial for maintaining clean and safe environments well in advance of establishing his current venture.

Moreover, Mr. Damiiian Lee's involvement extended beyond conventional equipment design. He also played a significant role in designing HVAC (Heating, Ventilation, and Air Conditioning) equipment with a focus on sustainability and energy efficiency. His commitment to "going green" and optimizing energy usage underscores his forward-thinking approach to engineering, a mindset that continues to drive innovation within JAD Solutions Pte Ltd.

Mr. Damiiian Lee conducted extensive planning, research, and R&D, laying the groundwork for the company's future endeavors. Our portfolio expanded to encompass a diverse range of offerings, including laboratory and hospital construction, turnkey projects for specialized facilities, and comprehensive maintenance services.

At JAD Solutions, we recognize that laboratories are at the forefront of scientific advancement, driving innovation and discovery across various industries. With this understanding, we are committed to delivering unparalleled expertise and tailored solutions to meet the unique needs of our clients. What distinguishes us is our unwavering dedication to excellence in every facet of our operations. From meticulously designing laboratory systems to seamlessly executing installations and construction projects, we prioritize precision, quality, and client satisfaction above all else.



Our team of experts brings together a wealth of knowledge and experience, leveraging the latest technologies and industry best practices to exceed expectations. We believe in continuous innovation and improvement, constantly pushing boundaries to stay ahead of emerging trends and evolving client requirements.

However, our commitment to excellence extends beyond our products and services. It is ingrained in our core values of commitment, integrity, and loyalty, guiding our interactions with clients, partners, and stakeholders, fostering trust, transparency, and enduring relationships.

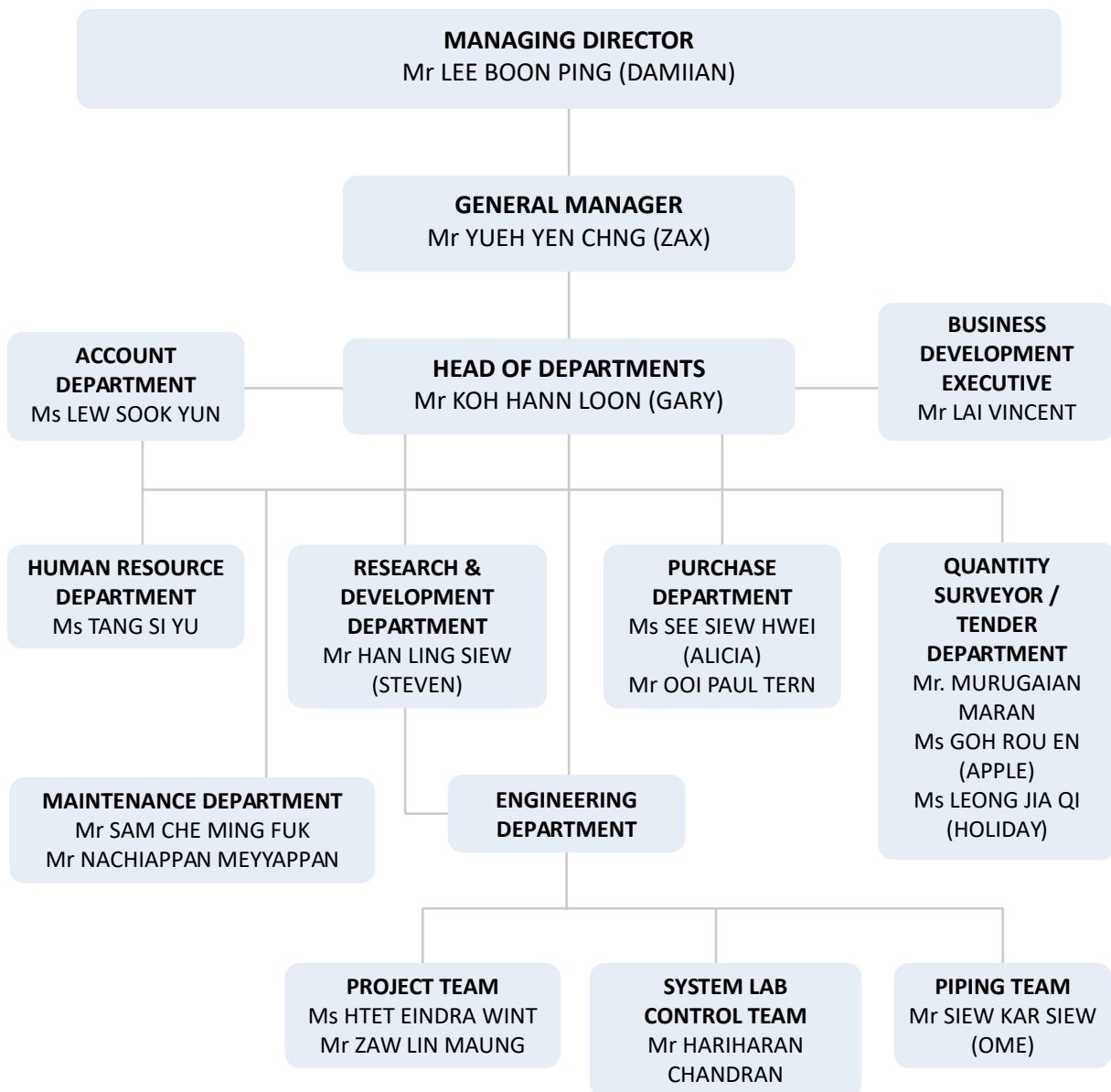
With a vision to lead the critical environment installation industry by adhering to international standards and fostering innovation in product development and design, JAD Solutions is poised for further expansion. As we look to the future, we remain steadfast in our mission to revolutionize laboratory systems and create safer, more sustainable environments. Under the stewardship of Mr. Damiian Lee, the company is positioned to set new standards with its innovative products and forward-thinking designs, ensuring a brighter, more prosperous future for all.



# COMPANY STRUCTURE



## ORGANIZATION CHART



# CORPORATE INFORMATION

JAD Solutions Pte Ltd is a leading provider of innovative laboratory systems and solutions based in Singapore. Established in 2007, we specialize in laboratory system design, installation, and construction, catering to a diverse range of industries including pharmaceuticals, biotechnology, healthcare, research institutions, and more.

## **Our Expertise:**

At JAD Solutions Pte Ltd, we offer a comprehensive range of services tailored to meet the unique needs of our clients. Our expertise includes:

- NEBB Approved Certifier for ASHRAE 110-2016 Fume Hood Certification
- Laboratory System Design, Performance, And Safety Evaluation
- Design And Build High Containment Facilities
- Mechanical And Electrical Installation
- Exhaust System and Ductwork Installation
- Airflow Balancing and Commissioning
- Disinfecting and Decontamination (Chemical & UVC)
- Hospital Isolation and Protection Ward Design and Construction
- Fume Hood, Biosafety Cabinet and Canopy Hood Installation
- Green Technology Integration for Sustainable Laboratory Solutions





# PRODUCTS

At JAD Solutions, we pride ourselves on offering a comprehensive range of cutting-edge products designed to meet the diverse needs of laboratory environments. From state-of-the-art fume hoods and canopy hoods to innovative exhaust systems and ductwork installations, our product lineup is meticulously curated to ensure optimal performance, safety, and efficiency. With a commitment to excellence and a focus on sustainability, our products are engineered to exceed industry standards and deliver unparalleled reliability in even the most demanding laboratory settings. Partner with JAD Solutions for a complete suite of high-quality products that empower your laboratory to thrive.

- JAD SMART Series Venturi Valves
- JAD SMART Series Fume Hoods
- JAD SMART Liquid Desiccant Dehumidification Air-Conditioning (LDDAC)
- JAD SMART Laboratory Control System
- JAD SMART Series Air Tight Damper
- JAD SMART Biosafety Cabinet
- JAD SMART Safety Storage Cabinets
- JAD SMART Laminar Flow Clean Benches
- JAD SMART IAQ Monitoring and Controller
- Laboratory Design and Fit-Outs, Furniture and Accessories



# MISSION STATEMENT

At JAD Solutions Pte Ltd, we are dedicated to revolutionizing laboratory systems and creating safer environments through our commitment to integrity, loyalty, and excellence. Our mission is to provide smarter experiences and sustainable solutions that prioritize safety, efficiency, and environmental consciousness while delivering unparalleled after-sales services to our clients.

## Three Values:

### COMMITMENT

We are committed to exceeding expectations in every project we undertake. Our team is dedicated to delivering high-quality laboratory systems and services, ensuring the utmost satisfaction of our clients. We are unwavering in our dedication to meeting deadlines, adhering to standards, and continuously improving our processes.

### INTEGRITY

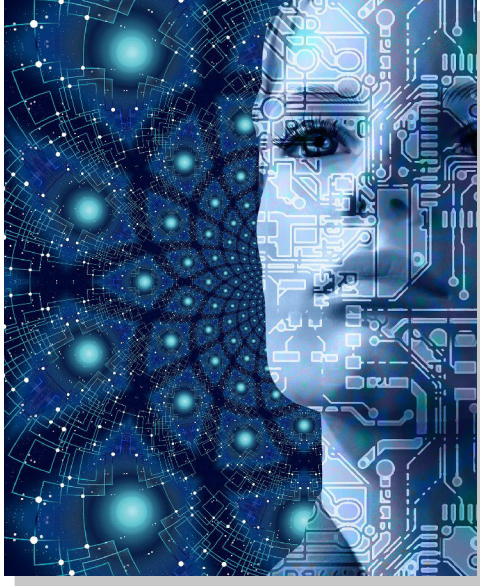
Integrity is the cornerstone of our operations. We conduct our business with honesty, transparency, and ethical practices at all times. Our clients trust us to deliver what we promise, and we strive to maintain that trust by upholding the highest standards of integrity in every aspect of our work.

### LOYALTY

Loyalty is ingrained in our relationships—with our clients, partners, and employees. We prioritize long-term partnerships built on trust, mutual respect, and loyalty. Our commitment to loyalty extends to our employees, whom we support and nurture, recognizing that their dedication is essential to our success.







### **Smarter Experience:**

We leverage cutting-edge technology and innovative solutions to enhance the laboratory experience for our clients. By integrating advanced systems and automation, we streamline processes, improve efficiency, and optimize performance, ultimately creating a smarter, more seamless laboratory environment.

### **Safer Environment:**

Safety is paramount in everything we do. We design, install, and construct laboratory systems with meticulous attention to safety standards and protocols. Our solutions are engineered to minimize risks, prevent accidents, and protect both personnel and the environment, ensuring a safer working environment for all.



### **Green Technology:**

We are committed to sustainability and environmental responsibility. Our solutions incorporate green technologies and eco-friendly practices to minimize environmental impact and promote sustainability. From energy-efficient designs to waste reduction strategies, we strive to create laboratory systems that are not only effective but also environmentally conscious.

### **Great After-Sales Services:**

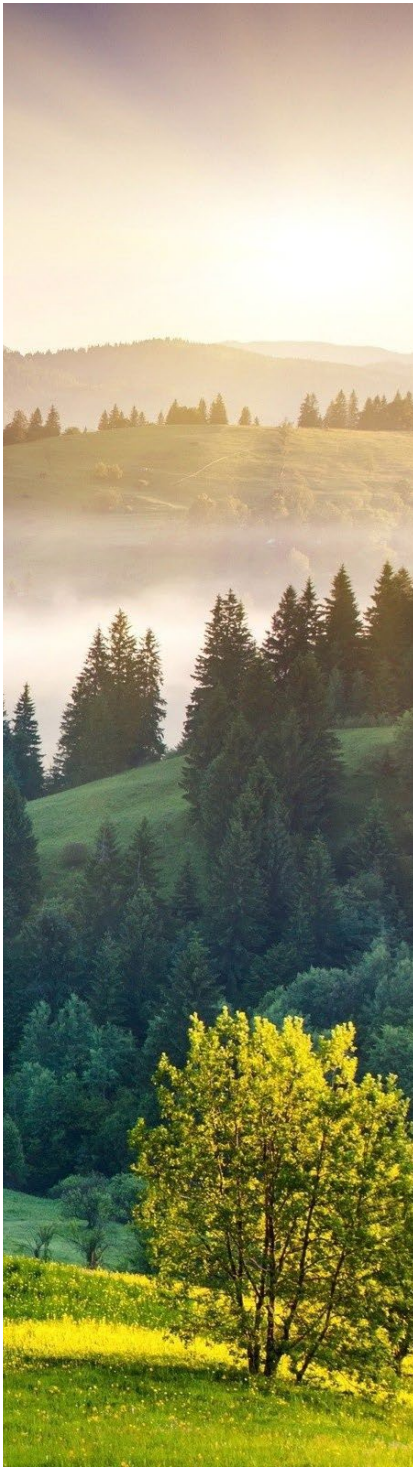
Our commitment to excellence doesn't end with project completion. We provide comprehensive after-sales services, including maintenance, support, and ongoing assistance, to ensure the continued optimal performance of our systems. Our dedicated support team is available to address any issues promptly, offering peace of mind and reliability to our clients long after the project is finished.

Through our unwavering dedication to commitment, integrity, and loyalty, coupled with our focus on smarter experiences, safer environments, green technology, and exceptional after-sales services, we are proud to be the leading provider of laboratory systems and solutions, setting the standard for excellence in the industry.



# SUSTAINABILITY STATEMENT

At JAD Solutions Pte Ltd, we are deeply committed to sustainability and environmental stewardship in all aspects of our operations. We recognize that our activities have both direct and indirect impacts on the environment, and we are dedicated to minimizing these impacts while promoting responsible resource use, conservation, and sustainable practices. Our sustainability efforts are guided by the following principles:



## ENVIRONMENTAL RESPONSIBILITY

### **1. Minimize Environmental Impact:**

We are committed to minimizing our environmental footprint by reducing energy consumption, conserving water, and minimizing waste generation in all our operations.

### **2. Compliance with Regulations:**

We comply with all relevant environmental laws, regulations, and standards, and strive to exceed compliance requirements wherever possible.

### **3. Pollution Prevention:**

We implement pollution prevention measures to minimize air, water, and soil pollution, and continuously seek opportunities to improve our environmental performance.

Sustainable Practices

### **4. Sustainable Procurement:**

We prioritize the procurement of environmentally sustainable materials, products, and services, and work with suppliers who share our commitment to sustainability.

### **5. Energy Efficiency:**

We invest in energy-efficient technologies, equipment, and practices to reduce our energy consumption and greenhouse gas emissions.

### **6. Waste Reduction:**

We strive to minimize waste generation through source reduction, recycling, reuse, and responsible disposal practices, and continuously seek opportunities to improve our waste management processes.



## CONSERVATION & RESTORATION

### 7. Biodiversity Conservation:

We recognize the importance of biodiversity conservation and habitat protection, and strive to minimize our impact on ecosystems and natural habitats in all our activities.

### 8. Environmental Education & Awareness:

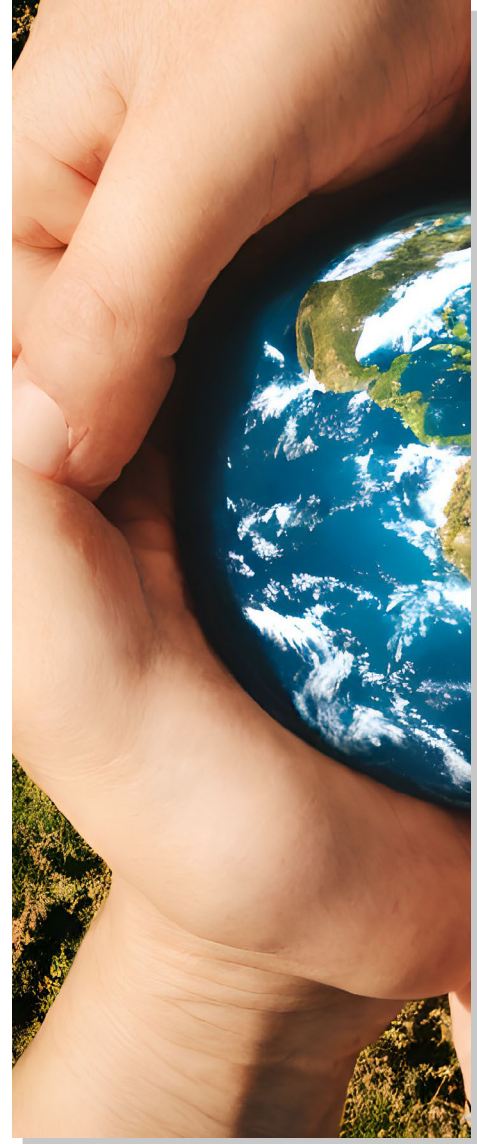
We provide environmental education and training to our employees, contractors, and stakeholders to raise awareness about environmental issues and promote responsible environmental stewardship.

### 9. Monitoring & Measurement:

We regularly monitor, measure, and evaluate our environmental performance to identify areas for improvement and track progress towards our sustainability goals.

### 10. Continuous Improvement:

We are committed to continuous improvement in our environmental performance through innovation, research, and the adoption of best practices in environmental management.



## LEADERSHIP & COLLABORATION

### 11. Collaboration & Engagement:

We actively collaborate with stakeholders, including customers, suppliers, regulators, and communities, to address environmental challenges, share best practices, and drive collective action for positive environmental outcomes.

### 12. Leadership & Innovation:

As a leader in our industry, we strive to set an example of environmental leadership and innovation by developing and implementing sustainable solutions that minimize environmental impact and promote a greener future.

At JAD Solutions Pte Ltd, sustainability is not just a goal—it is a fundamental principle that guides our actions, shapes our decisions, and drives our success. By integrating environmental responsibility into every aspect of our business and operations, we are working towards a future where people, planet, and prosperity thrive in harmony.



# **FUTURE PROSPECT**

As we look ahead, JAD Solutions Pte Ltd envisions a future where our expertise in laboratory systems and commitment to innovation propel us to even greater heights. With a steadfast dedication to our core values of commitment, integrity, and loyalty, we are poised to expand our horizons and make a lasting impact in the industry.



## **ADVANCING TECHNOLOGIES:**

The future holds exciting possibilities for technological advancement, and JAD Solutions Pte Ltd is at the forefront of embracing these innovations. We are committed to staying abreast of emerging technologies, harnessing their potential to develop smarter, more efficient laboratory solutions. From advanced automation and robotics to data analytics and artificial intelligence, we will continue to leverage cutting-edge technologies to enhance the laboratory experience and drive progress.

## **SUSTAINABLE SOLUTIONS:**

Environmental sustainability is increasingly becoming a priority, and JAD Solutions Pte Ltd is committed to leading the way in green technology. We envision a future where our laboratory systems not only meet the highest standards of performance but also minimize environmental impact. By integrating eco-friendly practices, renewable energy sources, and sustainable materials into our designs, we will contribute to a healthier planet while providing our clients with sustainable solutions for their laboratory needs.





#### **GLOBAL EXPANSION:**

With a solid foundation built on trust, reliability, and exceptional service, JAD Solutions Pte Ltd is primed for global expansion. We envision extending our reach to new markets, forging partnerships, and collaborating with industry leaders worldwide. By leveraging our expertise and reputation, we aim to become the go-to provider for laboratory systems and solutions on a global scale, bringing our innovative approach and commitment to excellence to clients around the world.

#### **CONTINUOUS IMPROVEMENT:**

Continuous improvement is ingrained in our culture, and we are committed to evolving and adapting to meet the evolving needs of our clients. We will continue to invest in research and development, exploring new technologies, methodologies, and best practices to stay ahead of the curve. Through ongoing innovation and refinement, we will ensure that JAD Solutions Pte Ltd remains synonymous with quality, reliability, and excellence in the laboratory industry.



#### **EMPOWERING PARTNERSHIPS:**

As we chart our course for the future, JAD Solutions Pte Ltd recognizes the importance of fostering strong partnerships and collaborations. We envision forming strategic alliances with like-minded organizations, academic institutions, and industry stakeholders to drive innovation, share knowledge, and create synergies that benefit our clients and the industry as a whole. By working together towards common goals, we will unlock new opportunities and achieve collective success.

In conclusion, the future prospects for JAD Solutions Pte Ltd are bright and promising. With a steadfast commitment to our values, a focus on advancing technologies, sustainable solutions, global expansion, continuous improvement, and empowering partnerships, we are well-positioned to seize opportunities, overcome challenges, and continue our journey towards excellence in the years to come.

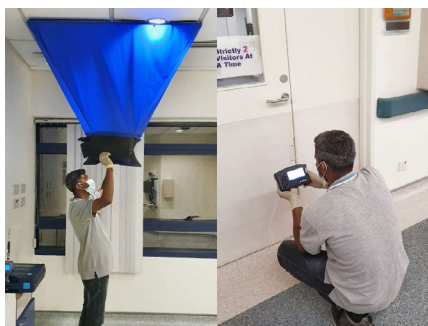
# PROJECT REFERENCE

JAD Solutions boasts an impressive portfolio of successful projects spanning various industries. From healthcare facilities to educational institutions and petrochemical research centers, our expertise in Mechanical and Electrical Engineering shines through each endeavor. These projects serve as a testament to our commitment to excellence and our ability to deliver top-tier environmental control solutions tailored to the unique needs of each client.

Project Description	Location
NTU LKCSOM Lab Specialist Consultancy to Great Earth @ EMB & CSB Site	EMB & CSB Site
NTU CDPT Phase II A&A Work @ SPMS Carpark L1	SPMS Carpark L1
ASTAR Exploit Lab ACMV Evaluation @ Biopolis Chromos L3	Biopolis Chromos L3
Panasonic BSL2 Lab Conversion @ 3 Bedok South	3 Bedok South
Clearbridge Biomedics Lab A&A @ 81 Science Park Drive Chadwick L2	81 Science Park Drive Chadwick L2
Kyowa Hakko Kirin Lab A&A @ Biopolis Helios L5	Biopolis Helios L5
ProChem Solutions Aircon Work @ 89C Science Park Drive Rutherford L4	89C Science Park Drive Rutherford L4
DNV H2S and MT Lab Design & Build @ 158A Gul Circle	158A Gul Circle
Bruker Lab A&A Work @ Biopolis Helios L8	Biopolis Helios L8
NTU LKCSOM Phase II A&A Work @ RTP X-frontier Level 4	RTP X-frontier Level 4
NTU LKCSOM Phase 1 A&A Work @ RTP X-frontier Level 4	RTP X-frontier Level 4
CHEVRON Laboratory Airflow Control System @ Jurong Island	Jurong Island
NTU SCELSE Phase 5 A&A Work @ SBS B2	SBS B2
NTU SCELSE Phase 4 A&A Work @ SBS B2	SBS B2
NTU CryoEM Lab A&A Work @ SBS L2	SBS L2
NTU EOS Non Metallic Class 100 Clean Room Chemistry Lab @ N2B3c	N2B3c
NTU EnRI Silane Gas Class 100 Clean Room @ N1B4a	N1B4a
NTU MSE Lab A&A Work @ N3.1B1 and N4.1B1	N3.1B1 and N4.1B1
NTU MCV D A&A Work @ S1 B4, 5 & 6	S1 B4, 5 & 6
NTU MSE Lab A&A Work @ N4B4 & Near Hall 7	N4B4 & Near Hall 7
Pfizer Laboratory & Pharmacy A&A Work @ Raffles Hospital L10	Raffles Hospital L10
Pfizer Clinical Research Unit Mechanical System Evaluation @ Raffles Hospital L10	Raffles Hospital L10
Pfizer Clinical Research Unit Mechanical System Air Balancing @ Raffles Hospital L10	Raffles Hospital L10
ICES Laboratory Evaluation @ Jurong Island	Jurong Island
Novartis Institute for Tropical Disease ABSL2 Conversion Work @ Biopolis Chromos L7 Room 722	Biopolis Chromos L7 Room 722
Novartis Institute for Tropical Disease BSL3 Animal Room Conversion Work @ Biopolis Chromos L8 BSL3 Lab	Biopolis Chromos L8 BSL3 Lab
Novartis Institute for Tropical Disease Exhaust System Upgrade @ Biopolis Chromos L5	Biopolis Chromos L5
Novartis Institute for Tropical Disease Gas Detection System Work @ Biopolis Chromos L5	Biopolis Chromos L5
Novartis Institute for Tropical Disease Fume Hood Maintenance & Certification (Mott) @ Biopolis Chromos L6 & 7	Biopolis Chromos L6 & 7
Novartis Institute for Tropical Disease Water Leak Detection C/w SMS Alert System @ Biopolis Chromos L5	Biopolis Chromos L5
Waseda Clean Room Design & Build @ Biopolis Helios L5	Biopolis Helios L5
Waseda ACMV Maintenance @ Biopolis Helios L5	Biopolis Helios L5
GSK Server Room Aircon Installation Work @ Biopolis Helios L3	Biopolis Helios L3
GSK ACMV Maintenance @ Biopolis Helios L3 & L6	Biopolis Helios L3 & L6
GSK AHU & EAF Repair Work @ Biopolis Helios L3, L6 & Roof Top	Biopolis Helios L3, L6 & Roof Top
Takeda ACMV Maintenance @ Biopolis Chromos L3	Biopolis Chromos L3
Takeda AHU Repair Work @ Biopolis Chromos L3	Biopolis Chromos L3
SGH Isolation Ward Design & Build @ SGH Ward 43 Burn Patient	SGH Ward 43 Burn Patient
SGH Neonatal Isolation Ward Design & Build @ SGH Ward 54	SGH Ward 54
NUH Bone Marrow Transplant Positive Room Design & Build @ NUH Ward 86	NUH Ward 86
NUH Positive Room Design & Build @ NUH Ward 58	NUH Ward 58
CGH Isolation Ward Airflow Control System @ CGH	CGH
SingHealth ABSL2 ACMV Work @ Sembawang	Sembawang
Temasek PolyTechnic Chemical Lab Turnkey @ BERC	BERC
NIPSEA (Nippon) Technologies Water Borne, Application Coating II & Polymer Lab Upgrade @ 16 Joo Koon Crescent	16 Joo Koon Crescent
NIPSEA (Nippon) Technologies Coating I & Process Application Lab Upgrade @ 16 Joo Koon Crescent	16 Joo Koon Crescent
NIPSEA (Nippon) Technologies Analytical Lab Equipment A&A Work @ 16 Joo Koon Crescent	16 Joo Koon Crescent
NUS BSL2 Improvement Work @ NUS WS2 L3	NUS
Duke NUS Vivarium Specialist Consultancy Work to China Con @ SGH	SGH
NTU R3C Supply & Installation Work for Snorkel, Customised Trolley & Racking System @ RTP X-frontier L5	RTP X-frontier L5
Sinda A&A Work @ Jurong Point	Jurong Point



Project Description	Location
Taiwan Yi Shou Hospital Supply of Airflow Control System @ Medical Building	Medical Building
Taiwan Sun Yat Sen Supply of Airflow Control System @ Cancer Centre	Cancer Centre
Taiwan Chang Geng Hospital Supply of Airflow Control System @ Gui Shan	Gui Shan
NTU Laboratory Testing (Representative of NTU as Specialist Clerk of Work) @ SPMS Building	SPMS Building
SCDF Airflow Building ACMV Evaluation & Airflow Balancing @ Ubi	Ubi
Department of and Biomolecular Engineering College of Design & Engineering (Fume Hood Maintenance)	NUS Block E8
Supply & Install Customisd Fumehood for ICES at Jurong Island	ICES Jurong Island
ACMV System for Nano Electronics Lab & Great Lab for School of Electrical and Electronic Engineering at NTU	NTU
Proposed A&A / ACMV System for Service Room at School of Material Science And Engineering (MSE) in NTU.	NTU
Proposed Additions & Alterations To Office And Laboratory For Rce-Idmx s At 6Th And 7Th Storey Of Experimental Medicine Building In NTU	NTU
Proposed Clean Room At Acedemic Block North Level Basement 3, Section A For Shine Center At Nanyang Technological University	NTU
Renovation Works To Collab And Common Facilities At Level 16, Clinical Sciences Building 11 Mandalay Road, Singapore_Acmv Works.	Clinical Sciences
Addition And Alterations ACMV At Level 7, Unit #07-50/55, Nanos Building, Biopolis, Singapore	Biopolis
New Chemical Laboratory Setup For Ntuitive At Cleantech One At #04-12 Tender Ref No: Odfm-Aa-Ctochemlab-008/21(Ot) - Acmv Works.	Cleantech
Additions & Alterations To Existing ACMV Fuel Cell Laboratory At N3-B2A-2A For School Of Mechanical And Aerospace Engineerong At NTU	NTU
Proposed Design & Build Em Room For IMRE @ Synthesis B2-22/25	IMRE
Renovation Works At Unit N4-01A-01A For Scse At (NTU).- ACMV Works.	NTU
Supply and Deliver 1 nos Polypropylene 4ft Fume Hood to Indonesia project	Indonesia
Replacement Of Fume Cupboard System, Exhaust Air Fan System And Exhaust Air Duct System at NIE	NIE
Supply and Install 2 Nos Fume Hood N3-B2a-02a	NTU
Supply, Delivery, Installation commissioning and certification of 3 (Three) Units of 1.5meter Fume Hood To IDMxS, NTU	NTU
Addition & Alteration works for future food lab (FFL)At teaching block T11A level 1(T11A101) At Singapore Polytechnic	SG Polytechnic
Addition & Alterations to environment laboratory if or schoo lof civil and environmental engineering at basement3,Section A of block N1, NTU	NTU
ACMV Works for New Lab @ L4 Mandai Estate	Mandai
Proposed Additions & Alterations To Existing Fuel Cell Laboratory At N3- B2a-2a For School Of Mechanical And Aerospace Engineering At NTU	NTU
Procurement Of Fume Hood Wet Scrubbers For Woodlands Analytical Laboratory	Woodland
Renovation To W52E To 2H At 2Nd Storey Of The Learning Hub Pod 9 At Republic Polytechnic For Sas	Republic Polytechnic
Supply and Deliver 5 Nos Polypropylene 4ft Fume Hood c/w VV to Indonesia project	Indonesia
ACMV Renovation For National Centre for Research in Digital Trust (NCDT) at Research Techno Plaza, Level 3, NTU	NTU
Proposed A&A To Tissue Culture Lab At Level 10 Of Academia At Singapore General Hospital	Singapore GH
Addition & Alteration ACMV Works For Future Food Lab (Ffl) At Teaching Block T11a Level 1 (T11a101) At Singapore Polytechnic	SG Polytechnic



### KK WOMEN'S AND CHILDREN'S HOSPITAL

JAD Solutions takes great pride in executing additions and alterations to enhance the ACMV (Air-Conditioning and Mechanical Ventilation) building services at KK Women's and Children's Hospital. With meticulous planning and expertise, we strive to improve the hospital's HVAC systems to ensure optimal air quality and comfort for patients, staff, and visitors. Our commitment to excellence in healthcare infrastructure underscores our dedication to supporting the hospital's mission of providing top-quality care to healthcare services in Singapore.

### LEARNING INSTITUTE

JAD Solutions is honored to supply and maintain fume hoods for few learning institutions. Our dedication to delivering high-quality environmental control solutions is showcased through our partnership with them, ensuring the safety and efficiency of laboratory operations. By providing reliable maintenance services, we contribute to the smooth functioning of their research and educational activities, ultimately supporting the institution's mission of academic excellence and innovation.



### REPUBLIC POLYTECHNIC

JAD Solutions takes pride in supplying and maintaining fume hoods at Republic Polytechnic, a testament to our commitment to excellence in environmental control solutions. With meticulous attention to detail and a focus on quality, we ensure the safety and functionality of these critical laboratory components. Our partnership with Republic Polytechnic underscores our dedication to providing top-notch services in the education sector, contributing to a safe and conducive learning environment for students and faculty alike.



everything under control

**JAD SOLUTIONS PTE LTD**  
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