

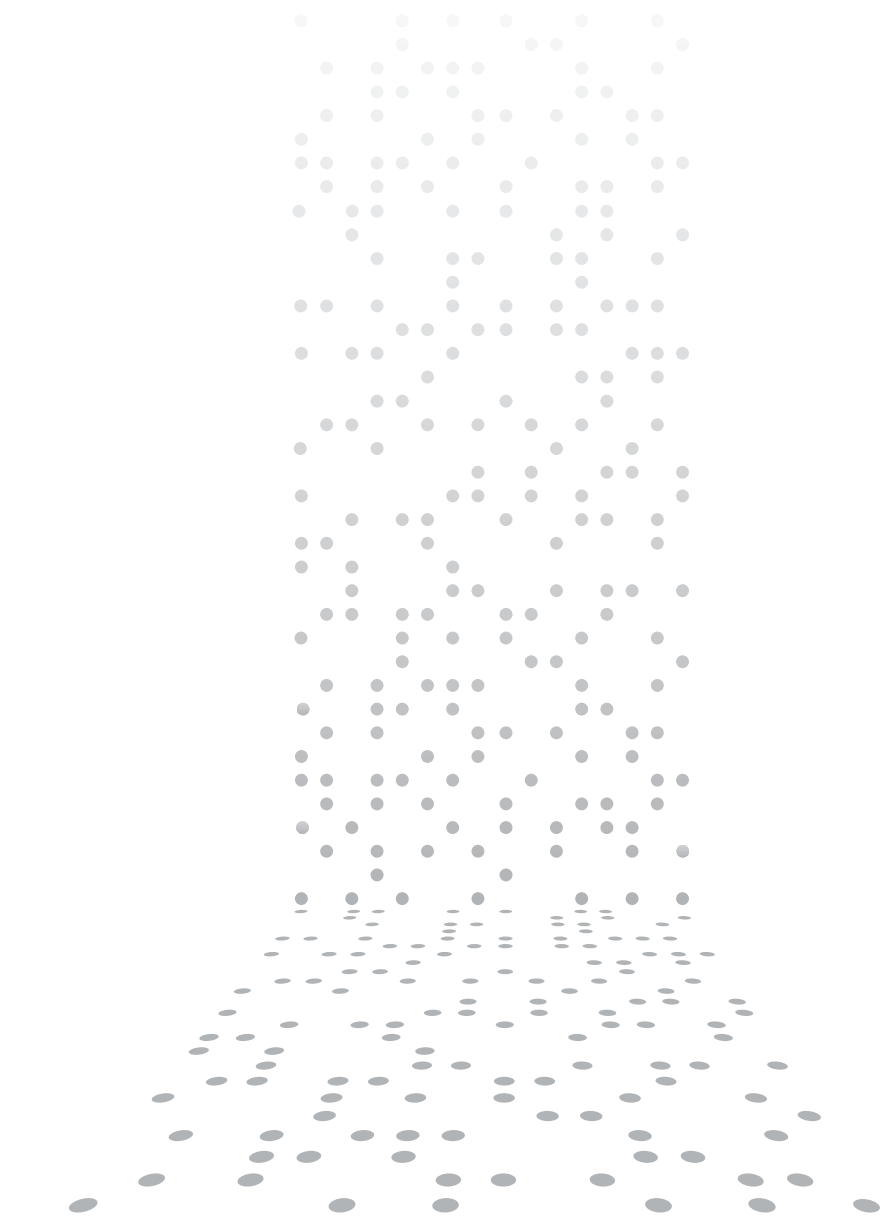
SPECTRUM

Professional Audio Visual

Spectrum Audio Visual Pte Ltd



Prompt • Professional • Reliable



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Office Entrance

ABOUT SPECTRUM

Spectrum Audio Visual is a leading Audio Visual (AV) Systems Integrator in Singapore specializing in Design and Build of Audio Visual Solutions. Established since 1999, we serve customers from a diverse range of industries including those from the Government, Financial, Education, Healthcare, Business and Entertainment sectors, as well as Houses of Worship.

Underpinning our business are our long-term relationships with leading AV brands including Cisco, Polycom, Epson, Samsung, Panasonic, Yamaha, Electro-Voice, D&B, Meyer Sound, Sennheiser, Crestron, Extron and many more. This enables us to offer you a whole suite of products and solutions including state-of-the-art visual conferencing tools, engaging interactive displays, eye-catching digital signage and live video streaming solutions, amongst others.

We boast a staff strength of more than 80. Out of this, our Engineering Division comprises more than 45 technical staff. Our team of highly-experienced Certified Audio Visual and Unified Conferencing Specialists possesses deep technical skills and knowledge to deliver tailored design and implementation solutions for projects of any scale and complexity. They are also able to provide excellent after-sales care and support services. At Spectrum, a commitment to service quality is ingrained in our DNA. We strive to deliver reliable, prompt and professional solutions and services to our customers.



Conference Room



Meeting Room

ABOUT SPECTRUM

Our Vision

Our vision is to become an industry leader in the Design and Build of Professional Audio Visual Solutions in the Asia region. We aspire to help our clients realize their business objectives by offering innovative solutions and state-of-the-art technology.



Our Mission

Our mission is to delight our customers with quality service and technical excellence. We strive to deliver the highest level of quality by providing Prompt, Professional and Reliable services. We are committed to promoting a collaborative environment to create mutually beneficial relationships with our customers and business partners.

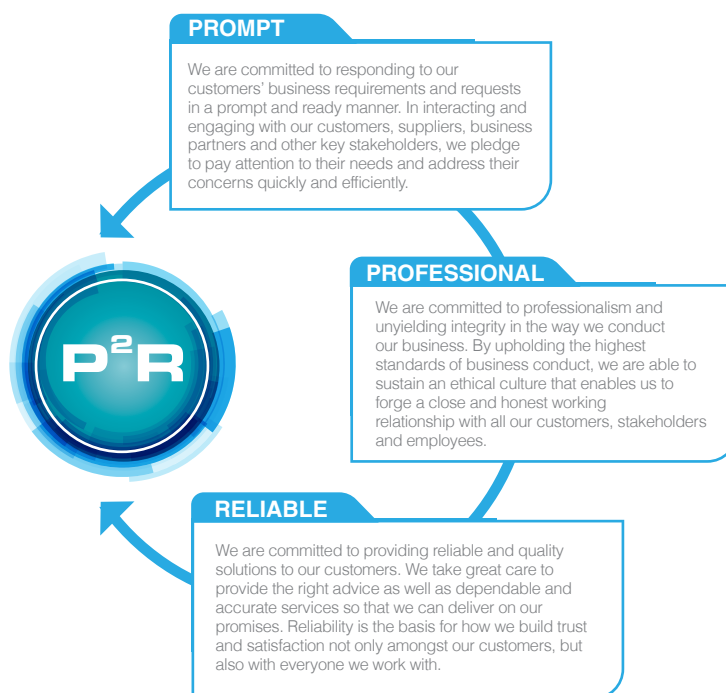


Corporate Culture

At Spectrum, we believe that human capital is vital to the success of our company. Creating a cohesive and motivating working environment for our employees is one of our core corporate responsibilities.

We invest heavily in people development and talent management. By implementing on-the-job and structured staff training, we equip our team of professionals with the required skills, tools and knowledge to perform well. We believe that when our employees are engaged with the company and aligned with our shared vision of success, they will be more motivated to serve our customers with excellence. Ultimately, this creates maximum value for our customers.

To achieve our vision, we strongly believe that P²R has to be embedded into our corporate culture. This forms the bedrock for our relationships with our customers, suppliers, business partners, employees and stakeholders.



CERTIFICATIONS

At Spectrum, we are dedicated to achieving the highest quality standard and operational excellence by aligning ourselves with industry best practices and making continuous improvement.

Environment and Occupational Safety – bizSAFE Star

We have achieved a bizSAFE Star, the highest qualification awarded by the Work Safety and Health Council under the Ministry of Manpower (MOM) in recognition of our commitment to continuously create a safer and healthier work environment for all our employees.



Health and Safety – OHSAS 18001

We have attained the OHSAS 18001 certification – an internationally accepted standard that accredits the effectiveness of an organization's occupational health and safety management systems. This demonstrates our commitment to maintaining best practices in ensuring the safety and wellbeing of our employees.



Quality Assurance – ISO 9001

We have attained the ISO 9001 certification – the international benchmark for quality management – for the Design and Build of our Audio Visual work. This recognizes our efforts to ensure customer satisfaction by providing quality products and services in all of our projects in a prompt and reliable manner.



Engineering Certification

The unique requirements of designing and implementing AV systems require specialized training and knowledge. With vendor certification, we have the credibility and technical proficiency to design, install, maintain and troubleshoot various products and systems.

Manufacturer	Certification
AMX	System Design & Control
Audinate	Dante Level 1 & 2
Autodesk	Revit MEP Level 1 & 2
BiAmp	Tesira Server IO / VoIP / Voca / Lux / Tesira / Forte
Cisco	Certified Network Associate (CCNA)
Cisco	Video Infrastructure Implementation (VII)
Crestron	DM Certified Design 4K / Engineer 4K / NVX Application / NVX Network
Crestron	CTI Fusion / P101 / P201
EASE	EASE
Extron	Certified Authorized Programmer
Harman	Certified Audio Programming Associate
Polycom	Realpresence Platform Implement Configure and Troubleshoot RPIIT202
QSC	Q-Sys Level 1 & 2



Government Trade Certification

We have been certified by both Building Construction Authority of Singapore (BCA) and Expenditure and Procurement Policies Unit (EPPU) to have met the required financial commitments in order to bid for government projects.

EPPU

EPU/AVP/10 Grade S10 – Tendering Capacity of more than S\$30 million

BCA Registered

ME04 Grade L5 -Tendering Capacity of S\$13 million
SY05 Grade L4 -Tendering Capacity of S\$6.5 million



OUR STRENGTHS



Our Workspace

In this field, what sets us apart is our attention to detail, our commitment to quality and our deep pool of technical expertise.

Strong Design Capabilities and Attention to Detail

A detailed design phase sets the stage for a successful project. We develop schematic diagrams to a very high level of detail in order to demonstrate the functionality of the proposed system and show how each component is connected.

Our schematic diagrams indicate the pin levels, major components, sub components, cabling, input and output flow, as well as data outlet and power requirements. This ensures that the design can meet our customers' intended requirements.



Detailed Design Phase

High-Quality and Reliable Solutions

We take great pride in delivering quality at all stages of our projects. To achieve this, we have put in place several best practices. From having standard methods for wiring and labelling in the rack or cabinet, to carrying out off-site staging and commissioning, adopting these best practices ensures that we can provide a consistent and reliable level of service to our customers.

Off-site staging, where the equipment is pre-assembled at our premises for feasibility testing, ensures that any technical or delivery issues can be resolved before actual on-site implementation. This commitment to quality enables us to minimize project delays and deliver each project on time.

OUR STRENGTHS



Off-site Commissioning

Cable Management

Deep Pool of Technical Expertise

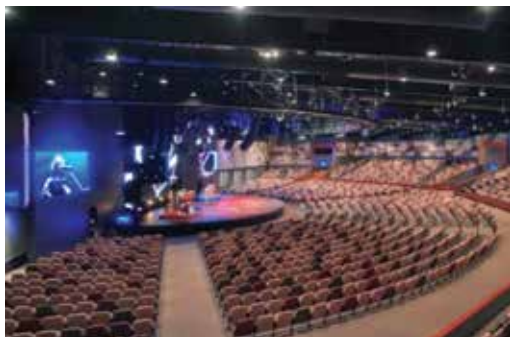
We have one of the largest technical teams in Singapore's AV industry, with more than 45 skilled technicians and engineers divided into 3 specialised areas – Video, Audio and Automation – to serve our customers.

Our technical team undergoes rigorous classroom and on-the-job training to be equipped with the skills and competencies to deliver projects of any size and capacity. Internally, we rank our specialists from Levels 1 to 4 according to their breadth and depth of skills, with Level 4 being the highest for those with vast experience and leadership skills. Our broad and deep technical skills have enabled us to successfully deliver projects of the utmost complexity as well as implement a wide range of vertical solutions.

Our highly-accomplished project management team has the extensive experience to manage and deliver wide-scale and large-value projects, ranging from S\$3 million to S\$30 million. We have implemented big-value projects for high-profile customers including Workforce Development Authority, Google, Apple, Sengkang Hospital and Marina Bay Sands.

OUR SOLUTIONS

Professional Audio



Authorized Partners

Audio-Technica, BiAmp, D&B, Electro-Voice, Meyer Sound, QSC, Sennheiser, Yamaha

Products

Microphones, Amplifiers, Digital Mixing Consoles, Digital Sound Processors, Loudspeakers & Digital Steerable Array Speakers

Venue Types

Lecture Theatres, Auditoriums, Event Halls, Training Rooms, Courtrooms, Houses of Worship, Entertainment Spaces, Large Venues

Stage Lighting



Authorized Partners

Avolites, ETC, Martin

Products

Ellipsoidal Spotlight, Fresnel, PARnel, Wash Lights, Moving Lights, Follow Spot, Haze Machines, Stage Riggings, Stage Drapes

Venue Types

Lecture Theatres, Auditoriums, Training Rooms, Houses of Worship, Entertainment Spaces, Large Venues

LED Screens



Authorized Partners

Samsung, SiliconCore

Products

Indoor and Outdoor LED Screens with various pixel pitch and LED Video Processors

Venue Types

Boardrooms, Auditoriums, Houses of Worship, Entertainment Spaces, Large Venues

Video Walls



Authorized Partners

Barco, Digital Projection, LG, Panasonic, Samsung

Products

Video Wall Cubes (Rear Projections) and HD Front Projections with soft edge blending, Thin Bezel Profile Full HD LED displays

Venue Types

Command and Control Centres, Auditoriums, Outdoor Spaces, Houses of Worship, Large Venues

OUR SOLUTIONS

Visual Presentations



Authorized Partners

Digital Projection, Epson, Kramer, LG, Panasonic, Samsung, Sharp, Sony

Products

LED & OLED Displays, LCD & Laser Projectors, DLP Projectors, Digital Visualizers, Wireless BYOD Presentations

Venue Types

Boardrooms, Conference Rooms, Meeting Rooms, Courtrooms, Huddle Rooms, Classrooms, Auditoriums, Large Venues

Video Streaming & Recording



Authorized Partners

Blackmagic Design, Crestron, Datavideo, Extron, Reach

Products

Video Encoders & Decoders, Video Content Management Software & Servers, Video Recording and Streaming Software & Servers

Venue Types

Classrooms, Lecture Theatres, Auditoriums, Training Rooms, Large Venues

Video Conferencing



Authorized Partners

Cisco, Polycom

Products

Video Endpoints, Executive Desktops, Mobile Clients, Telepresence, Video & Audio Collaboration Infrastructure

Venue Types

Boardrooms, Conference Rooms, Meeting Rooms, Lecture Theatres, Training Rooms, Huddle Spaces, Courtrooms

AV Integration & Automation



Authorized Partners

AMX, Crestron, Extron, Kramer, Lightware

Products

Digital Matrix Switchers, Touch Panels, AV Control Processors

Venue Types

Lecture Theatres, Auditoriums, Event Halls, Training Rooms, Courtrooms, Boardrooms, Conference Rooms, Meeting Rooms, Courtrooms, Huddle Rooms, Houses of Worship, Entertainment Spaces, Large Venues

OUR SOLUTIONS

Lighting Automation



Authorized Partners

Crestron, Lutron

Products

Lighting Dimmers and Control Systems

Venue Types

Boardrooms, Conference Rooms, Meeting Rooms, Courtrooms, Lecture Theatres, Auditoriums, Training Rooms, Huddle Rooms

Interactive Displays



Authorized Partners

Epson, LG, Panasonic, Samsung

Products

LED & OLED Displays, LCD & Laser Projectors, DLP Projectors

Venue Types

Boardrooms, Conference Rooms, Meeting Rooms, Huddle Rooms, Training Rooms, Classrooms

Digital Signage



Authorized Partners

Four Winds Interactive, Samsung, Scala

Products

Digital Signage Content Servers, Players, Designers, Schedulers and Management Software

Venue Types

Entertainment Spaces, Public Communication Areas, Retail Spaces, Lobbies

OUR SERVICES

Our Customer Service Centre

We recognize that efficient after-sales service is very important to our customers. At our Customer Service Centre, we provide reliable live support to ensure minimal downtime. Our dedicated and highly-experienced helpdesk team is trained to respond quickly to requests for support after implementation.

Technical Hotline

Our customers can call our technical hotline to speak to a Customer Service Officer or Service Manager who can assist them with their queries.

Case Management System

Our fault ticketing system tracks and monitors fault calls received. The system generates a case ticket as a fault receipt and logs the time of the call for quality assurance.

Customer Service Centre Team

We have a dedicated Customer Service Officer and Service Manager to provide live technical support for any issue at hand.

Video Conferencing Testing Facility

Our centre is equipped with video conferencing testing facilities. This enables our engineers to test and fine-tune the far-end audio, video and connectivity of our customers' video conferencing system by connecting their system to ours.

Our Professional Services

Ad-hoc Engineering Services

Non-contract customers can call on us to investigate, troubleshoot and rectify faults or glitches that may arise. We are quick to react to your needs and are able to go down to your site to provide a diagnostic rectification to your problem.

Maintenance Services

Our customers can engage us on a contract basis to provide regular maintenance to their AV systems in order to ensure longevity and optimum performance of the system. We offer various contract options suited to your business needs.



Service Engineers

We have a dedicated technical team comprising 12 service engineers on call to provide responsive and reliable support, as well as an extensive range of maintenance services for AV and conferencing systems.

Outsourced Manpower

Take advantage of the expertise of our highly-trained AV engineers by entrusting your AV needs to us. Our professionally-certified AV engineers will be stationed on-site to take care of your specialised needs and address any AV problems that surface. This saves you time and resources in the long run.

OUR PARTNERS

Over the years, we have formed direct partnerships with a wide range of manufacturers. From video to professional audio and stage lightings to integration and automation, the strategic partnerships formed in these areas have enabled us to deliver complete vertical solutions to our customers. We are proud to be amongst the top sales revenue contributors to most of our partners.

Video



Pro Audio & Stage Lighting



Integration & Automation



PARTNER TESTIMONIALS

"Spectrum has always delivered top-of-class solutions to our customers. The level of commitment and competency demonstrated by the staff at Spectrum have also enabled both Epson and Spectrum to win major projects and enjoy mutually beneficial collaborations with Epson projectors. We continue to be impressed with their professionalism and look forward to many more successes in the years ahead."



Tan May Lin, General Manager
Epson Singapore Pte Ltd

"We are proud to have Spectrum as our trusted business partner for the past many years. Spectrum has demonstrated the level of competency in managing their clients' projects professionally. We are impressed with Spectrum's professional team and vast resources, who are always committed to deliver the most cost-effective solutions and best service to their clients."



Eliot Ho, Senior Sales Manager
Samsung Asia Pte Ltd

"Panasonic System Solutions Asia Pacific is proud to have Spectrum Audio Visual on board as our valuable business partner and AV system integrator in Singapore. Their reliability and excellent technical expertise are fine examples of their ability and commitment to offer turnkey solutions for today's demanding customers. Spectrum has also demonstrated a sound understanding of the shared value that Panasonic propagates and creates for customers. At the same time, Panasonic has benefited from Spectrum's established network of customers to expand on our market reach and coverage."



William Chan, Director - Entertainment Solution Group
Panasonic System Solutions Asia Pacific

"With many years of business partnership, we have seen Spectrum Audio Visual achieve service excellence and a high level of delivery quality. This has been the key driving force towards their business success. As Crestron strives to excel in our industry, we are honored to have a business partner like Spectrum Audio Visual. We look forward to more successful years with them."



Tony Ang, General Manager
Crestron Singapore Pte Ltd

"Spectrum has been Extron's key partner for many years. The reason both companies have worked so closely together, and trusted each other for so long is due to the similarity in mindset on business philosophy. By this, we mean professional integrity with the ultimate goal of complete customer satisfaction by providing top notch services and support to customers by relying on various niche solutions. The level of commitment given to all vertical markets that Spectrum handles is consistent and this sets them apart from other players in the market. Extron is glad to be Spectrum's key partner and it is indeed a pleasure working with them."



Daniel Poh, Asia Sales Director
Extron Electronics Asia Pte Ltd

OUR CUSTOMERS

Since our founding, we have implemented and delivered a wide range of Professional Visual and Unified Conferencing Solutions in more than 1,500 sites. Collaborating closely with multiple AV manufacturers, we have served more than 1,000 customers across various industries including the Financial, Manufacturing, Business, Education, Government, Healthcare and Entertainment sectors, as well as Houses of Worship.

Our customers include some of the most well-known multinational companies and recognized brands. We are proud that these leading companies choose to depend on us for their AV needs.

Financial



UBS



Manulife



UOB
大华银行



NATIXIS
BEYOND BANKING

Business



Education



Manufacturing



Government



Healthcare



National University Centre for Oral Health



Yishun Community Hospital



Outram Community Hospital



Sengkang General Hospital

House of Worship



Mahabodhi Monastery



Bethesda Cathedral



Hingwa Methodist Church



Cathedral of the Good Shepherd

Hospitality & Entertainment



Marina Bay Sands



Raffles Hotel



Wildrice Theatre, Funan



Waterworld @ USS, RWS

CUSTOMER TESTIMONIALS

"I would like to extend my recognition and appreciation to Spectrum Audio Visual's management and technical team. In particular, I applaud Spectrum's professionalism and customer-oriented culture. We engaged Spectrum to enhance the sound system in our company's multi-purpose hall in late 2018. We faced delays due to various challenges. We are grateful that Spectrum managed to turn around the project on time. Backed by strong support from the management team, they demonstrated excellent dedication to meet the deadline. We have awarded the on-going maintenance contract to the support team and their service quality has exceeded our expectations. Do keep up the good work and we look forward to a fruitful long-term partnership."



Goh Kien Boon, Senior Manager
MTU Asia

"It is a joy to see the end result of the audio video system done by Spectrum Audio Visual for the Singapore American School's auditorium. This project lasted from May to November 2015. Despite facing great challenges and a tight deadline, Spectrum's experienced project and installation team managed the project efficiently and delivered a successful implementation. Spectrum has an amazing team of project managers, installation crews and hotline advisers. Their hotline advisers were very responsive, acting on requests and coordinating arrangements speedily. I intend to rely on Spectrum's professional expertise again when we look to implement future theatre improvements and design, incorporating next-generation audio, lighting and visual equipment. I look forward to working hand in hand with Spectrum on SAS' next theatre renovations."



Jabie Chan, Theatre Engineer
Singapore American School

"We had a rather urgent project to equip two halls with AV and stage lighting systems. We needed a flexible and fluid setup that could cater to various events and themes held during the weekends. Spectrum Audio Visual provided experienced, timely and friendly service. They facilitated our decision-making process by making practical recommendations and providing fair costings. The design team was extremely professional and provide detailed suggestions. We appreciate their methodical and conscientious approach to unforeseen technical hitches. Despite the complexities posed by our unique building, the installation team managed to achieve the perfect image size, quality and sound. I would not hesitate in recommending Spectrum to other church committees who are looking for outstanding AV solutions. Your service has been prompt, reliable and professional!"



Pastor Jonathan Chen
Bethesda Cathedral Church

"The Lee Kong Chian School of Medicine needed a competent, tech savvy, adaptable and reliable AV systems integrator. Spectrum Audio Visual fit the bill perfectly. With their technical wizardry, Spectrum was able to design and implement a functional AV system suited for our team-based learning needs and optimized for our unique pedagogy."



Shim Jan Yuen, Senior Assistant Manager
Lee Kong Chian School of Medicine, NTU

"It has been a pleasure working with Spectrum Audio Visual. Throughout the different stages of our project, they have demonstrated great professionalism and provided high product and service quality. They provided an efficient delivery of the video wall and recommended solutions that were viable for our business model, building on our trust in them. Spectrum has been instrumental in improving the aesthetics of our events and we have received positive feedback from our visitors. We can always count on good service provided by Spectrum."



Phua Chuan Ann, Assistant Director of Operations
Singapore Chinese Cultural Centre

OUR PROJECT REFERENCES

Industry: Government

Customer: Economic Development Board (EDB)



Project Description

Project Details

Estimated Project Value	: S\$430,000
Completion Date	: March 2018
No. of Rooms with AV Facilities	: 23

AV Solution

Visual Presentation	: Sony
LED Screen	: LAMP
AV Integration & Automation	: Crestron

Brands

Venue Types

Meeting Room Boardroom Reception
Town Hall Press Room

As a long-term trusted vendor, Spectrum was engaged to upgrade the visual infrastructure and systems for EDB's meeting rooms and boardrooms. The enhanced LED screens offered better image and display quality, enabling users to make seamless presentations in a more visually-appealing environment. Prior to this upgrade, we also installed the new AV and video conferencing systems, in a project worth up to S\$810,000, for EDB's new office in 2013.



Boardroom



LED Screen (3m x 1.7m) - Reception



Press Room



Meeting Room



Town Hall

Customers in Similar Industry

Company

Jurong Town Hall
Defence Science & Technology Agency
Housing Development Board
Keat Hong Community Club
Teck Ghee Community Club

Est. Project Value (SGD)

\$870,000
\$810,000
\$790,000
\$660,000
\$570,000

No. of Rooms

24
129
12
5
8

Completion Date

October 2017
September 2017
July 2016
January 2018
October 2018

OUR PROJECT REFERENCES

Industry: Financial

Customer: Manulife Singapore



Project Description

Project Details

Estimated Project Value : S\$1.3 million
 Completion Date : October 2018
 No. of Rooms with AV Facilities : 121

Venue Types

Collaborative Space	Titanium Room	Breakout Area
Combined Training Room	Meeting Room	Media Area
Multi-function Room	Huddle Space	Boardroom

AV Solution

Video Conferencing
 Professional Audio

Visual Presentation
 LED Screen

AV Integration & Automation

Brands

: Logitech
 : AMX, JBL, Clock Audio, QSC, Crown
 : Samsung
 : LAMP, LG
 : Extron

Manulife's relocation to its newly-owned Manulife Tower building at 8 Cross Street required it to invest in new AV systems for meetings and communications with their clients and overseas counterparts. Spectrum was involved in the supply, installation, testing and commission of Manulife's AV systems. We provided complete solutions for its meeting, training and press rooms, client service centre and various collaborative spaces.



LED Screen (3.6m x 2.025m) - Client Service Centre



Boardroom



Collaborative Space



Huddle Space



Multi-purpose Training Room



Video Conferencing Room

Customers in Similar Industry

Company

Prudential
 UBS AG
 S&P Global Asian Holdings
 UOB Singapore
 Natixis Singapore

Est. Project Value (SGD)

\$950,000
 \$830,000
 \$300,000
 \$220,000
 \$200,000

No. of Rooms

30
 25
 21
 2
 19

Completion Date

May 2018
 April 2017
 September 2017
 April 2019
 March 2018

OUR PROJECT REFERENCES

Industry: Education

Customer: Singapore American School (SAS)



Project Description

Project Details

Estimated Project Value : S\$2.5 million
 Completion Date : September 2015
 No. of Rooms with AV Facilities : 1

AV Solution

Professional Audio & Light : Meyer Sound Constellation
 Visual Presentation : Digital Projection
 Video Streaming & Recording : Blackmagic Design
 AV Integration & Automation : Extron

Brands

Venue Types

Spectrum was involved in the project to install and integrate an Electronic Acoustic Enhancement System in SAS' upgraded school auditorium. The new sound system provides optimized acoustics for the audience. By adding a natural acoustics ambience and allowing for a calibration of the sound settings for different types of performances, this led to a pleasant experience for both performers and the audience.



Electronic Acoustic Enhancement System



AV Rack



Ceiling Mics (38pcs), Wall Speakers (73pcs)
 Ceiling Speakers(131pcs)



Integration Awards 2016



AV Automation

Customers in Similar Industry

Company

Lee Kong Chian School of Medicine (NTU)
 INSEAD
 Australian International School
 Overseas Family School
 Nanyang Polytechnic

Est. Project Value (SGD)

\$3.3 million
 \$2.9 million
 \$1.5 million
 \$1.0 million
 \$380,000

No. of Rooms

45
 73
 90
 8
 1

Completion Date

October 2017
 September 2015
 September 2017
 July 2015
 October 2015

OUR PROJECT REFERENCES

Industry: Healthcare

Customer: Sengkang General Hospital



Project Description

Project Details

Estimated Project Value : S\$5.2 million
 Completion Date : February 2019
 No. of Rooms with AV Facilities : 139

Venue Types

Crisis Management Room	Simulation Lab	Lecture Theatre
Collaborative Space	Command Centre	Boardroom
Operating Theatre	Therapy Room	Training Room

AV Solution

Video Conferencing
 Professional Audio & Light

Brands

Polycom
 Yamaha, Audio Technica, Biamp, Tuscum, Lite Puter, Chamsys, PR Lighting
 Panasonic, LAV
 Reach
 Crestron, Atlona

This project was awarded together with the 400-bed Sengkang Community Hospital and the Specialist Outpatient Clinics. Spectrum was involved in equipping the new hospital building with an integrated AV system. We supplied, installed, tested and commissioned the AV and video conferencing systems for various facilities including the seminar rooms, training rooms, boardroom and simulation labs.



Lecture Theatre (Front & Back View)



Lecture Theatre Control Room



Boardroom



Simulation Lab



Speech Therapy Room



Operating Theatre

Customers in Similar Industry

Company

Outram Community Hospital
 National University Centre for Oral Health
 Yishun Community Hospital
 National University Hospital
 Moral Home for the Aged Sick

Est. Project Value (SGD)

\$3.4 million
 \$3.0 million
 \$1.0 million
 \$660,000
 \$140,000

No. of Rooms

150
 300
 30
 68
 2

Completion Date

May 2019
 October 2018
 November 2015
 June 2014
 March 2019

OUR PROJECT REFERENCES

Industry: Manufacturing

Customer: Schneider Electric



Project Description

Project Details

Estimated Project Value : S\$1.1 million
 Completion Date : February 2018
 No. of Rooms with AV Facilities : 111

AV Solution

Professional Audio : QSC
 Visual Presentation : Panasonic, Wepresent, Epson
 LED Screen : LAMP
 Video Conferencing : Logitech
 AV Integration & Automation : Extron

Brands

Venue Types

Combined Meeting Room Auditorium Innovation Hub
 Video Conferencing Room Training Room Command Centre

Spectrum was involved in supplying, installing, testing and commissioning the AV systems for Schneider Electric's new East Asia and Japan headquarters. We installed small pixel-pitch LED screens at the Innovation Hub to enhance the visual experience during client walkthroughs. We also provided full integration of the AV systems, including video conferencing solutions, to facilitate communication, meetings and training across different offices.



Boardroom



LED Screen (6m x 2.025m) - Innovation Hub



LED Screen (3.6m x 2.025m) - Innovation Hub



Combined Meeting Room



Command Centre - Innovation Hub



Co-innovation Room



Auditorium

Customers in Similar Industry

Company	Est. Project Value (SGD)	No. of Rooms	Completion Date
BP Singapore	\$1.6 million	50	January 2018
Seagate Singapore	\$1.6 million	152	June 2015
Symrise Asia Pacific	\$440,000	21	November 2017
Shell Eastern Petroleum	\$390,000	5	February 2017
Boehringer Ingelheim Singapore	\$240,000	16	March 2015

OUR PROJECT REFERENCES

Industry: Houses of Worship

Customer: Bethesda Cathedral



Project Description

Project Details

Estimated Project Value : S\$500,000
 Completion Date : October 2015
 No. of Rooms with AV Facilities : 2

AV Solution

Professional Audio & Light : Allen+Heath, Harman
 Visual Presentation : Avolite, ETC, Martin
 Video Streaming & Recording : LG, Panasonic, Remaco
 AV Integration & Automation : Crestron, Extron, Kramer

Brands

Venue Types

Youth Sanctuary Kids' Hall

Spectrum was involved in Bethesda Cathedral's upgrading project by supplying, installing, testing and commissioning the Audio Visual, Stage Lighting and Professional Audio systems for the church's Youth Sanctuary and Kids' Hall. This helped to create the right atmosphere conducive to worship and helped the church to effectively communicate its messages to its congregation.



Youth Sanctuary



Youth Sanctuary



Kids' Hall



Youth Sanctuary & Kids' Hall



Youth Sanctuary & Kids' Hall



Youth Sanctuary & Kids' Hall

Customers in Similar Industry

Company

Thye Hwa Kuan Temple
 Cathedral of Good Shepherd
 Mahabodhi Monastery
 Hingwa Methodist Church
 Paya Lebar Methodist Church

Est. Project Value (SGD)

\$430,000
 \$330,000
 \$310,000
 \$160,000
 \$ 56,000

No. of Rooms

4
 5
 5
 1
 1

Completion Date

April 2019
 November 2016
 September 2014
 May 2015
 December 2014

OUR PROJECT REFERENCES

Industry: Entertainment

Customer: Marina Bay Sands (MBS)



Project Description

Estimated Project Value : S\$800,000
 Completion Date : October 2015
 No. of Rooms with AV Facilities : 4

AV Solution

Professional Audio : Crown, JBL, Meyer
 LED Screen : Absen
 AV Integration & Automation : Crestron, Extron, Kramer

Brands

Venue Types

MICE Convention Centre Food Court Restaurant
 Casino B2M

As a leading integrated resort in the region, MBS supports large-scale events including concerts, incentive meetings, corporate events and outdoor performances, and offers world-class convention facilities. MBS needed to upgrade its AV systems to incorporate the latest state-of-the-art technology to deliver a high-quality visual and audio experience. Spectrum was roped in to supply, install, test and commission the Professional Audio Visual and LED Screen Systems at MBS' MICE convention centre, food court, restaurant and casino.



Front LED Screen (8m x 1.8m) - MBS MICE Convention Centre



Semi-Circular LED Screen (5m x 1.5m) - Rasapura Food Court



Rear LED Screen (8m x 1.8m) - MBS MICE Convention Centre



Adrift Restaurant

Customers in Similar Industry

Company	Est. Project Value (SGD)	No. of Rooms	Completion Date
Raffles Hotel	\$2.8 million	123	June 2019
Mediacorp	\$1.8 million	8	April 2017
Wildrice Theatre	\$1.0 million	3	June 2019
Waterworld @ USS, RWS	\$850,000	1	February 2019
Copthorne King's Hotel	\$210,000	6	June 2018

OUR PROJECT REFERENCES

Solutions: Professional Audio & Stage Lighting

1. Project Name : Housing Development Board
 Location : Auditorium
 Professional Audio : Renkus Heinz
 Stage Lighting : ETC
 Project Completion : July 2016

2. Project Name : Jurong Town Hall
 Location : Auditorium
 Professional Audio : Renkus Heinz, Yamaha
 Stage Lighting : Silverstar, Eclipse, Avolites, Lite Puter
 Project Completion : October 2017

3. Project Name : Lee Kong Chian School Of Medicine
 Location : Multi-purpose Hall, Auditorium
 Professional Audio : JBL, Clearvoice
 Stage Lighting : ETC
 Project Completion : October 2017

4. Project Name : Bethesda Cathedral Church
 Location : Youth Sanctuary and Kids' Hall
 Professional Audio : Allen+Heath, JBL, Crown, Sennheisser
 Stage Lighting : Avolite, ETC, Martin
 Project Completion : October 2016

5. Project Name : Cathedral of the Good Shepherd
 Location : Main Sanctuary
 Professional Audio : JBL, Crown, Soundcraft, BSS, AKG
 Project Completion : November 2016

6. Project Name : Workforce Development Authority
 Location : CET East Campus Lecture Hall & CET West Campus Event Halls 1 to 4
 Professional Audio : JBL, Crown, Soundcraft, BSS, AKG, BiAmp
 Stage Lighting : Theatrelight, ETC, Desisti Motorised Hoist
 Project Completion : July 2014

7. Project Name : Waterworld @ USS, RWS
 Location : Amphitheatre
 Professional Audio : QSC
 Project Completion : February 2019

8. Project Name : Singapore American School
 Location : Auditorium
 Professional Audio : Meyer Constellation
 Project Completion : September 2015



Housing Development Board
Auditorium



Jurong Town Hall
Auditorium



Lee Kong Chian School of Medicine
Auditorium



Bethesda Cathedral Church
Youth Sanctuary Hall



Cathedral of Good Shepherd
Main Sanctuary



WDA CET East Campus - Lecture Hall
WDA CET West Campus - Event Halls



Waterworld @ USS, RWS
Amphitheatre



Singapore American School
Auditorium

OUR PROJECT REFERENCES

Solutions: LED Screens – Outdoor and Indoor

1. Project Name : Kolam Ayer Community Club
 Size : 16m x 1.8m
 Pixel Pitch : 4mm
 Type of LED Screen : Indoor Curve
 Project Completion : April 2019

2. Project Name : Mediacorp
 Size : 28.3m x 9m
 Pixel Pitch : 6mm
 Type of LED Screen : Indoor Circular Halo Ring
 Project Completion : July 2016

3. Project Name : Mediacorp
 Size : 5.3m x 2.7m
 Pixel Pitch : 1.5mm
 Type of LED Screen : Indoor
 Project Completion : April 2017

4. Project Name : Propnex Realty
 Size : 3m x 1.68m
 Pixel Pitch : 1.5mm
 Type of LED Screen : Indoor
 Project Completion : February 2019

5. Project Name : Economic Development Board
 Size : 3m x 1.688m
 Pixel Pitch : 1.5mm
 Type of LED Screen : Indoor
 Project Completion : March 2018

6. Project Name : Workforce Development Authority
 Size : 9m x 6m
 Pixel Pitch : 6mm
 Type of LED Screen : Outdoor
 Project Completion : July 2014

7. Project Name : Radin Mas Community Club
 Size : 3m x 2m
 Pixel Pitch : 3.9mm
 Type of LED Screen : Outdoor
 Project Completion : May 2019

8. Project Name : Keat Hong Community Club
 Size : 5.12m x 2.88m
 Pixel Pitch : 6mm
 Type of LED Screen : Outdoor
 Project Completion : January 2018



Kolam Ayer Community Club Atrium



Mediacorp Media Centre



Mediacorp Studio (CNA, CH5, CH8)



Propnex Realty Town Hall



Economic Development Board Reception



Lifelong Learning Institute & Employment and Employability Institute



Radin Mas Community Club



Keat Hong Community Club

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