



**We enable sustainable buildings of tomorrow**

# Our History

Established since 1992, we are certified **BCA ME05 Level 4 & SY05 Level 3** with a paid up capital of 1.5 million, our team have achieved an annual turnover of 10M from more than 2000 architectural, commercial and industrial projects.



Enterprise 50



Bizsafe Star



ISO 9001



Winner 2014



Member



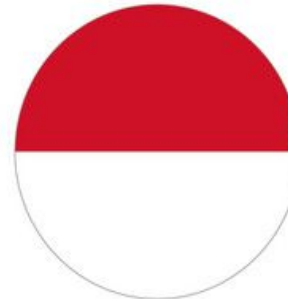
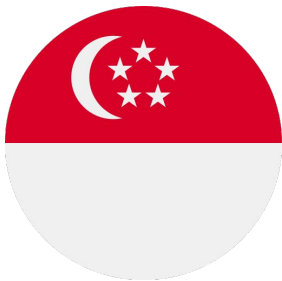
Member

# Our Vision

By 2022, we envision to be a **sustainable M&E and IoT company** achieving 25% revenue growth in **Singapore, Malaysia, Vietnam, Cambodia, Indonesia and Philippines.**

# Our Mission

Reduce overall building energy wastage to address climate change through a **total solution across lighting automation, mechanical and electrical and IoT system integrations**



# Our Core Values

Learn, Grow and Share

## Our Solutions



Lighting Design &  
Supply



Mechanical &  
Electrical



Automation and  
Smart Solutions



Lighting as a  
Service



# Enterprise 50 Award Winner

We are honored to be recognized for our accomplishments, innovative spirit and sustainable business model by Enterprise 50's committee namely, KPMG Singapore, The Business Times, OCBC Bank, Enterprise Singapore, Singapore Business Federation and SGX



# Lighting Design and Supply



## **Design consultation**

We provide specialist lighting design consultation for all types of projects

## **Project management**

We ensure to meet with tight project timelines

## **Product customization**

We advise on the right lighting product complementing the design intent

# Job References - Lighting Design (Hospitality)



Hilton, Doha, Qatar



W Dubai - The Palm, Dubai, United Arab Emirates



Hard Rock Hotel, Dubai



Jeddah Hilton Hotel



Taj Vivanta Hotel Dubai



# Job References - Lighting supply (Hospitality)

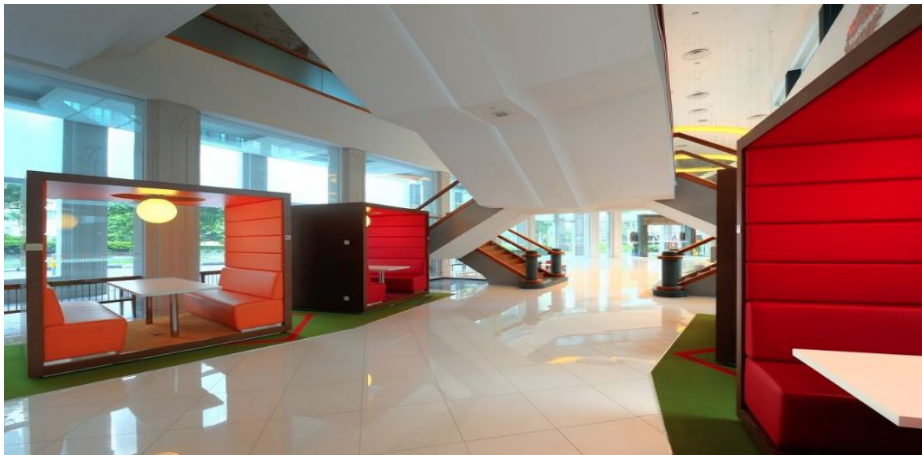




# Job References - Lighting supply (Hospitality)



Singapore Tourism Board





# Job References - Lighting supply (Retail)



Fairprice Vivocity Singapore

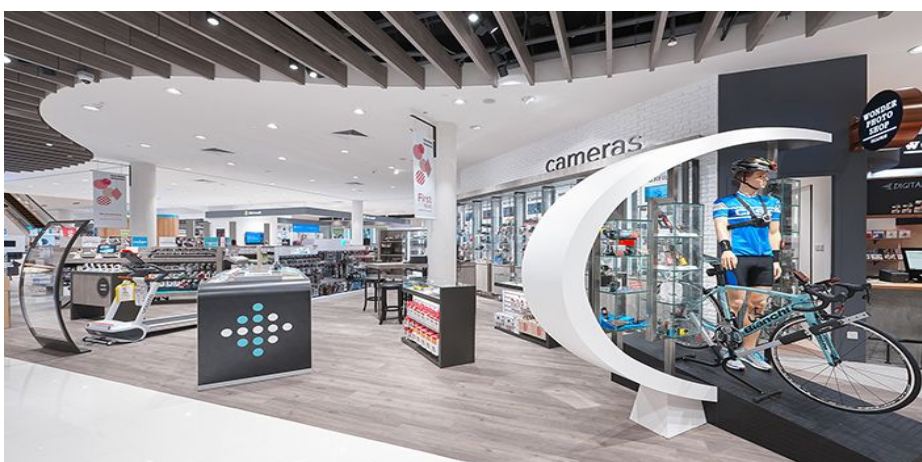




# Job References - Lighting supply (Retail)



Harvey Norman Millennial Walk Singapore





# Job References - Lighting supply (Commercial)





# Job References - Lighting supply (Commercial)





# Job References - Lighting supply and automation (Commercial)



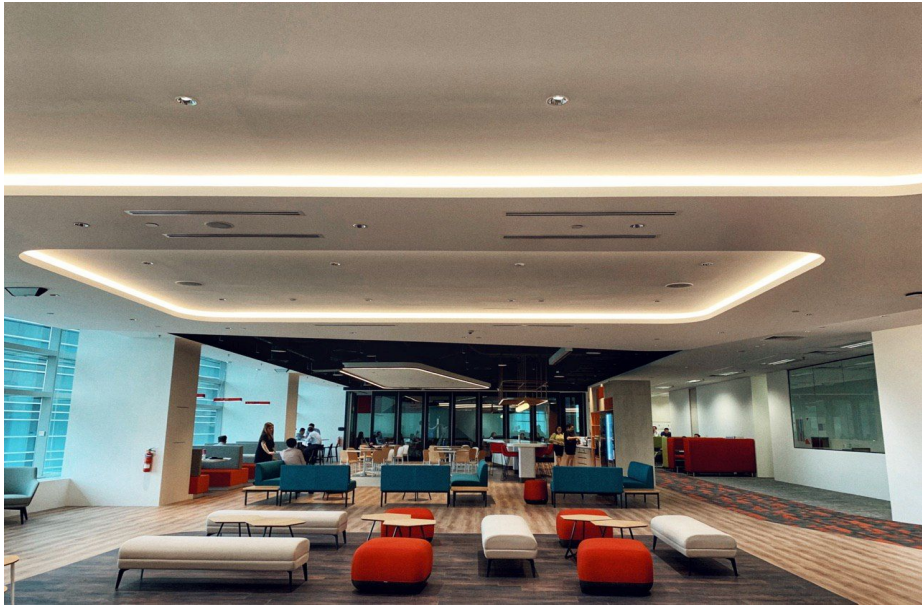
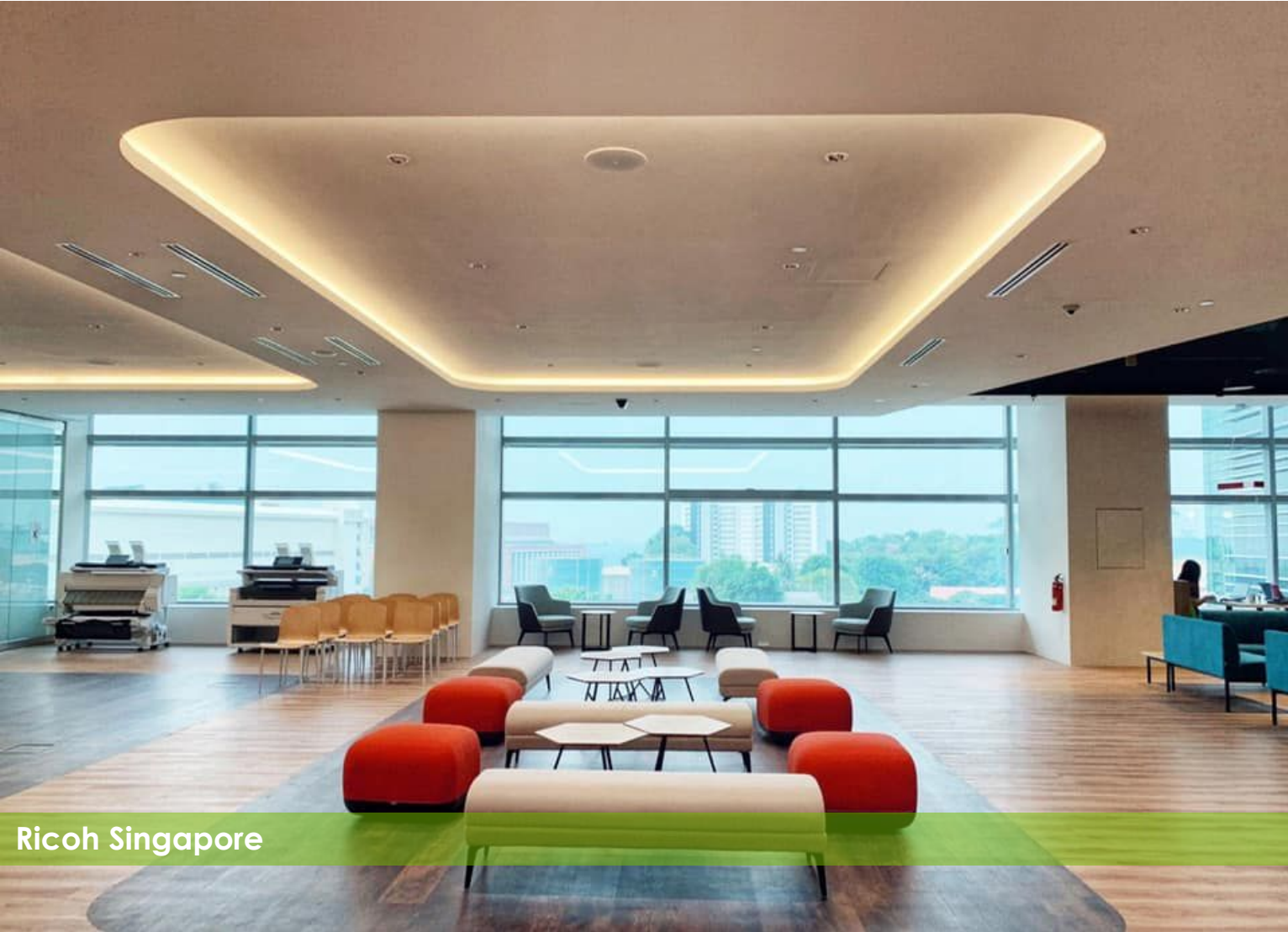


# Job References - Lighting supply and automation (Commercial)





# Job References - Lighting supply and automation (Commercial)





# Job References - Lighting supply (Educational)



# Mechanical and Electrical



## **People development**

We ensure all of our staff share our culture, core values and in line with our direction. We seek to develop their skill sets by providing regular trainings

## **Project management**

We provide our clients a holistic mechanical and electrical solution with standard operating procedures derived from numerous years of experience

## **Progress reports**

We conduct weekly project meetings and constantly update our clients with project progress reports



# Featured commercial and retail project reference above 100K



**Avaloq Singapore**  
Electrical and Lighting  
\$149K



**Cold storage @ Fusionopolis**  
Electrical and Lighting  
\$155K



**Sushi Tei @ JEM**  
Electrical and Lighting  
\$115K



**Singapore EXPO**  
Electrical and Lighting  
\$175K



**Food junction @ Junction 8**  
Electrical and Lighting  
\$210K



**Ricoh Singapore**  
MEP  
\$232K



**Cosmiz Singapore**  
MEP  
\$303K



**PA (Water venture @ Marina)**  
Electrical and Lighting  
\$450K



# Featured commercial and retail project reference above 500K



Sengkang Hospital  
Electrical and Lighting  
\$1M



Volkswagen Singapore  
MEP on Singapore  
\$1.5M



Whampoa CC  
Electrical and Lighting  
\$692K



Harvey Norman  
Electrical and Lighting  
\$500K



Dulwich College  
Electrical and Lighting  
\$1M



Grab Singapore  
MEP  
\$550K



Rigel Technology  
MEP  
\$1.3M



IATA Singapore  
MEP  
\$1.3M



# Trusted by:



SUNTEC CITY



foodjunction  
福将坊

naumi

SINGAPORE

SINGAPORE  
EXPO  
CONVENTION AND EXHIBITION CENTRE

Northpoint City



fusionopolis  
SCIENCE MEETS BUSINESS AND THE ARTS



ALTITUDE

# Automation & Smart solutions



## **Energy Efficiency**

We ensure all our solutions are able to achieve energy efficiency

## **Cost Efficiency**

We propose the suitable solution to meet project needs

## **3rd Party integration**

We provide additional integration services beyond our solutions for existing systems

# Lighting Automation



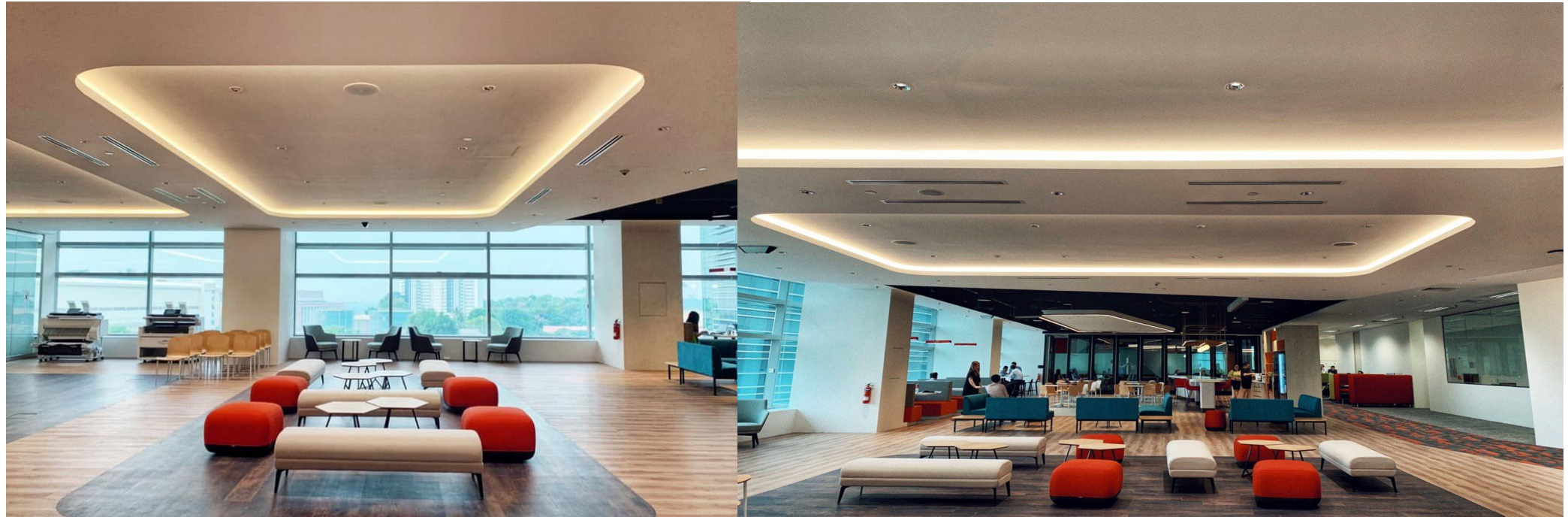
## OTTO MESH

Co-developed by OTTO in 2014, OTTO MESH is **an entirely wireless bluetooth based** mobile application to that aim to increase occupant well being, energy and cost efficiency



# Reference

## Ricoh Singapore

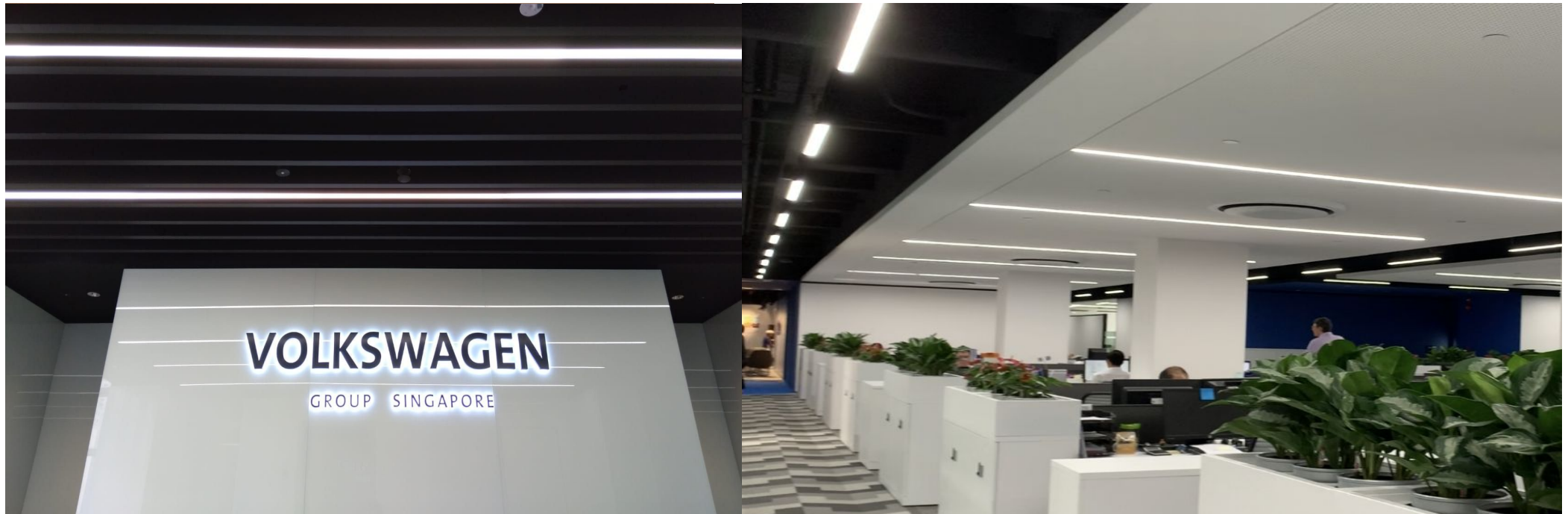


We created a warm and welcoming scene with dimmable lux levels autonomously adjusting based on the people count and employee activities in Ricoh Singapore



# Reference

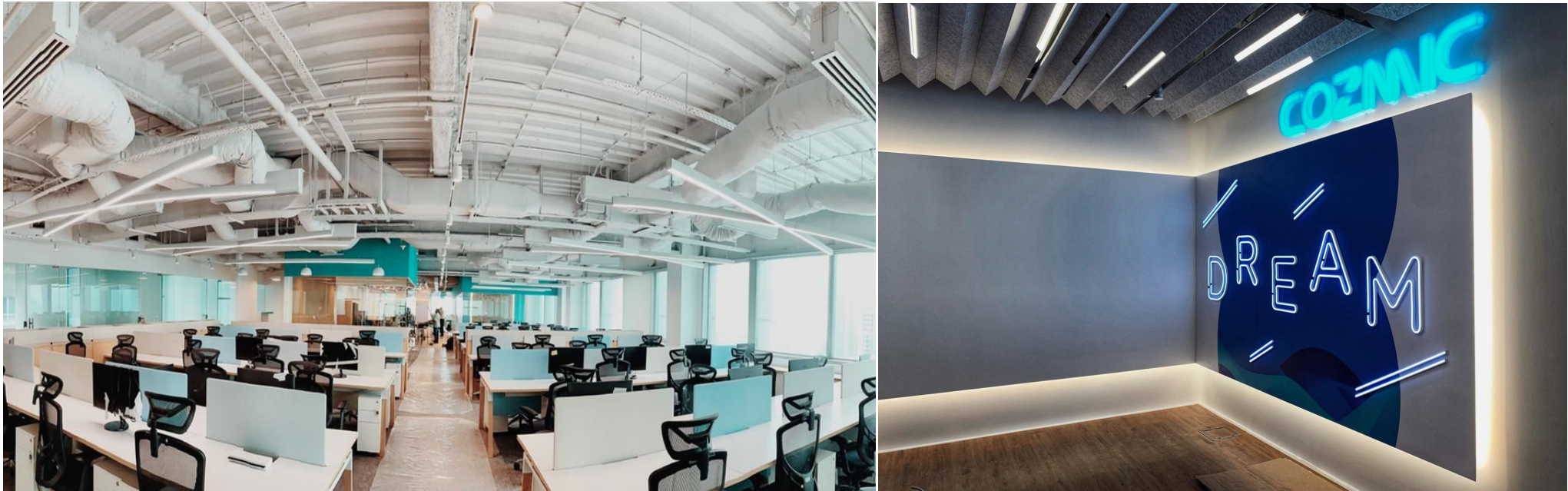
## Volkswagen Singapore



We integrated our bluetooth mesh network to enhance the energy efficiency by providing a cost efficient wireless solution for Volkswagen Singapore

# Reference

## Cozmic Singapore

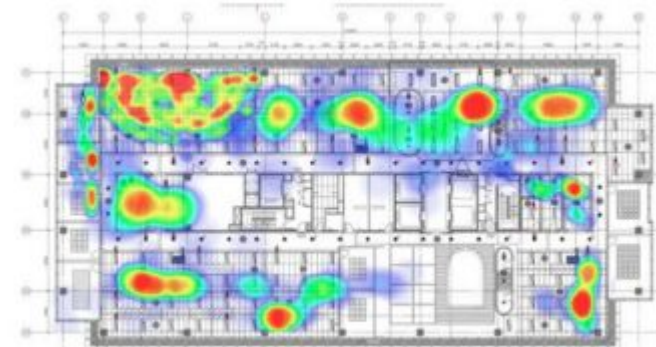


We enhanced the environment of the employees by configuring a day to night environment aligned with circadian rhythm for the employees at Cozmic Singapore

# Lighting Automation



Lumani is a **semi wireless cloud based** ambient management system that optimizes the energy usage and provide analytics using heatmap

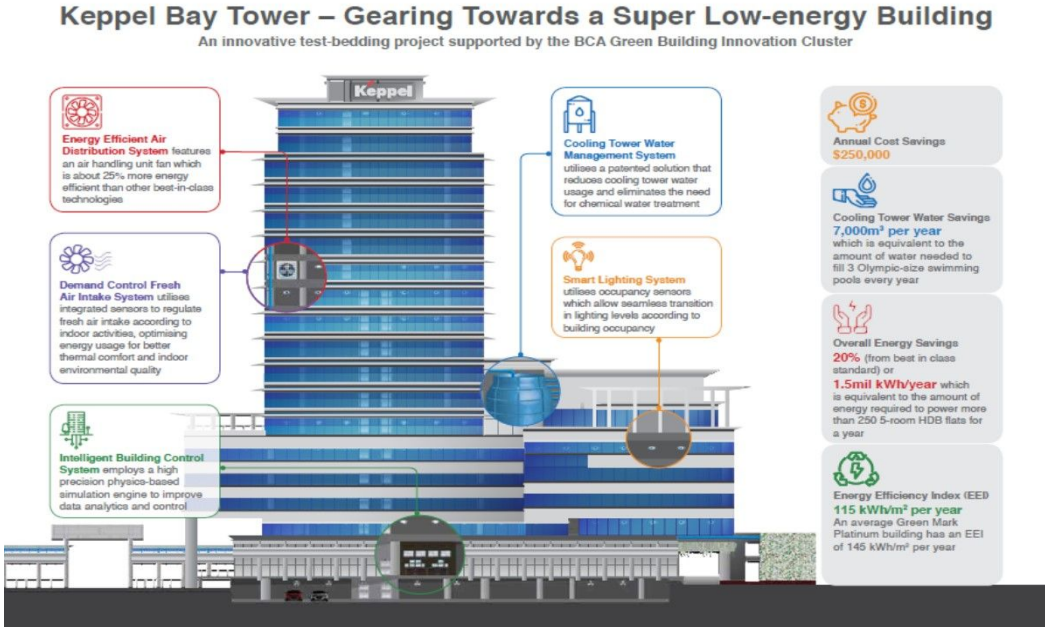






# Reference

## Keppel Bay Tower (Super Low Energy Building)



We integrated Lumani to enhance the overall energy efficiency and helped achieve a Super Low Energy Building for Keppel Bay Singapore



# Lighting Automation



KNX

Partnering with ABB for the last decade, KNX is a **wired lighting control system**, an open standard for the control of all types of intelligent buildings





## Reference

### National Library Board



We integrated KNX and helped to create the World's first green library in Singapore for National Library Board



# Reference

## Xilinx Singapore



### Waste Management

We consistently seek to avoid waste generation by following a waste reduction program that focuses on the motto of "Reduce, Reuse, and Recycle." Through our waste reduction efforts, in calendar year 2013 at our major sites including San Jose, Colorado, Ireland and Singapore, we achieved significant wastes recycled and composted versus sent to landfills.



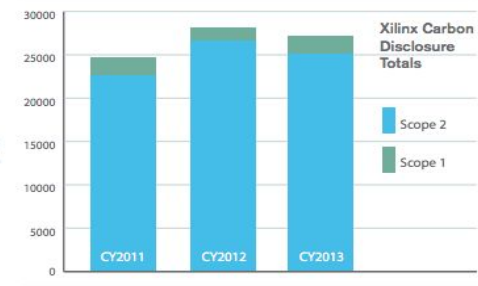
*Data excludes chemical disposal, cartridge recycling, and electronic waste.*

### Xilinx Celebrates Earth Day 2013

Xilinx employees also play a key role in supporting our environmentally-friendly goals in energy conservation and recycling. Xilinx annually celebrates Earth Day to raise environmental awareness throughout our company. For Earth

### Carbon Footprint and Energy Usage

Xilinx also participates in the Carbon Disclosure Project (CDP). CDP is an international, not-for-profit organization providing the only global system for companies and cities to measure, disclose, manage and share vital environmental information regarding greenhouse gas (GHG) emissions measured in Carbon Dioxide Equivalent. Scope 1 emissions are direct emissions from owned or controlled sources. Scope 2 emissions are indirect emissions from the generation of purchased energy. Xilinx tracks this emission data for our major sites, including our corporate headquarters in San Jose, Colorado, Ireland, Singapore, and Hyderabad.



We integrated KNX and helped to achieve corporate social responsibility efforts for Xilinx Singapore





## Reference

### Wearnes Singapore

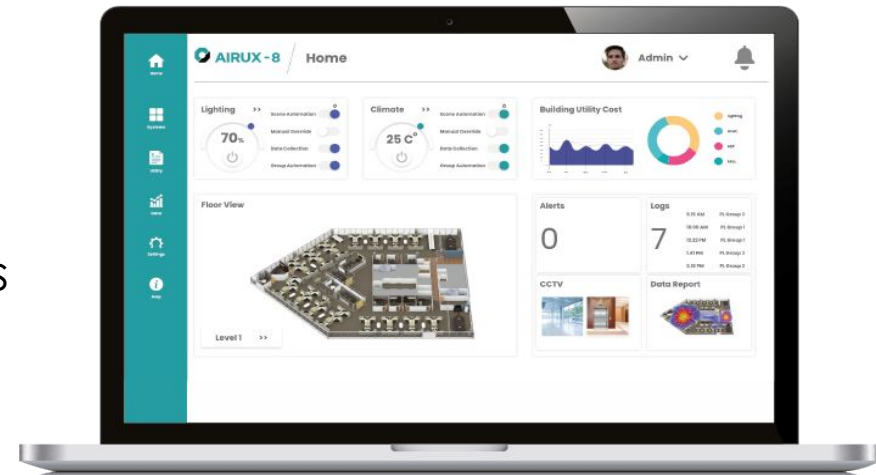


We integrated KNX and helped to achieve a smart office for Wearnes Singapore

# Building Automation

 **AIRUX-8** **AIRUX-8**

Co-developed in 2019, Airux-8 is an autonomous energy control system for building able to achieve energy savings up to 70%



# AIRUX-8

## Reference

### DBS - BCA Joint Innovation (Super Low Energy Building)



Funded by:

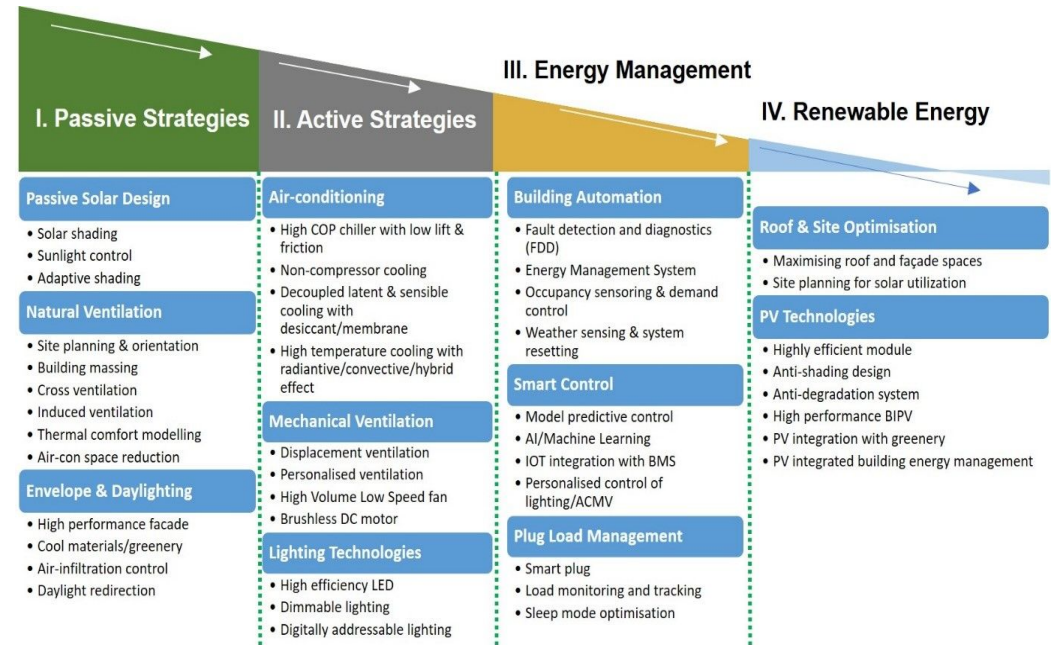
Initiated by:

**Building and Construction Authority**  
We shape a safe, high quality, sustainable and friendly built environment.

**DBS**  
Live more, Bank less

**NATIONAL RESEARCH FOUNDATION**  
PRIME MINISTER'S OFFICE  
SINGAPORE

**GBIC**  
Green Building Innovation Centre



We integrated AIRUX8 to enhance the overall energy efficiency and helped achieve a Super Low Energy Building for DBS Singapore

# Lighting as A Service

## **Energy audit**

We understand the space energy usage from the on site audit

## **Automation integration**

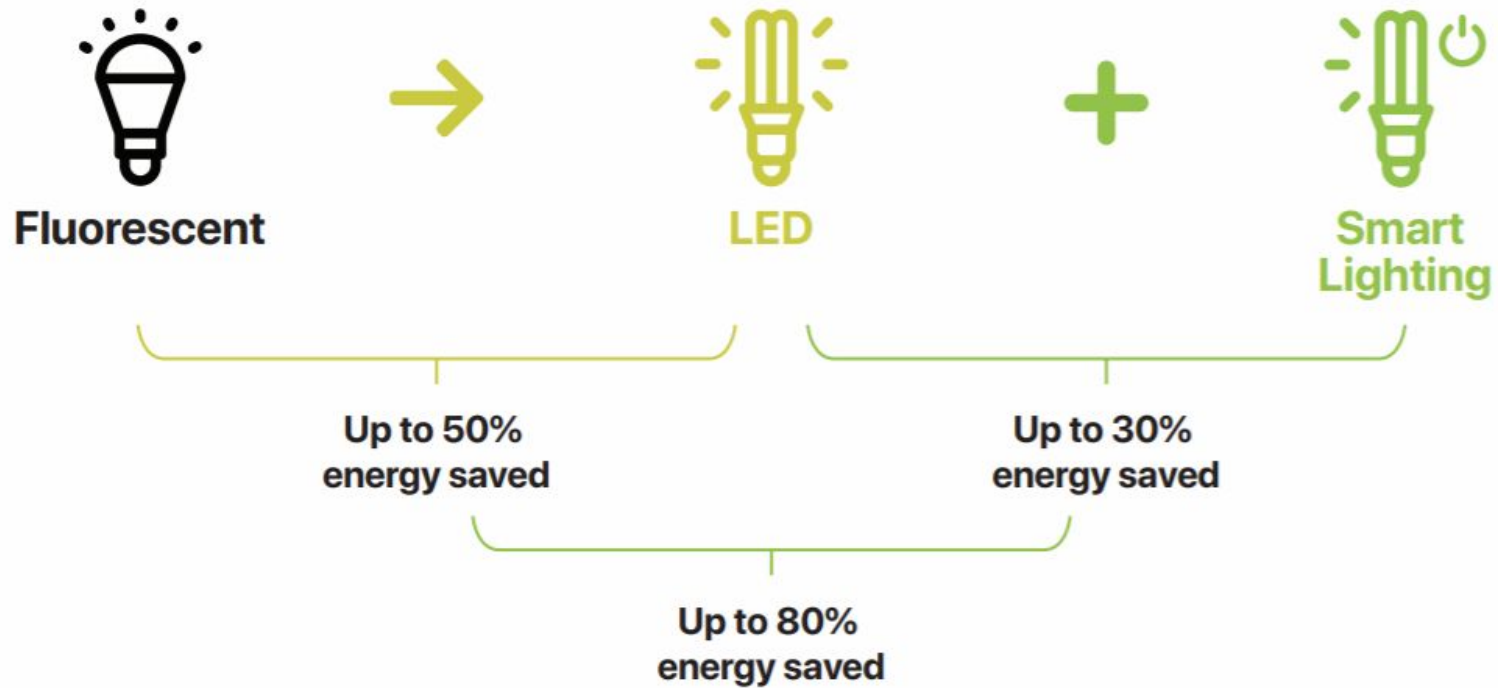
We integrate automation to increase energy efficiency

## **Energy partnership**

We propose a cost effective light replacement contract



# Retrofitting at no cost and achieve energy saving up to 80% by integrating smart lighting with the LED light fixtures





# Earn while you Save with an enhanced Experience in your space



**Cost and  
Energy Savings**



**Efficient  
Automated System**



**Elevated  
Experience**

# NERA Case Study



# NERA

Headquartered in Singapore, Nera(SGX:N01) is a premium IT infrastructure provider, focusing on end to end solutions.

In their efforts to increase energy efficiency, they have adopted our LED Lighting + Automation As a Service by replacing their old lighting fixtures recently.



# Cathay Cineplex @ Cineleisure Case Study



Located in Cineleisure Orchard, Cathay Cineplex is a cinema operated by MM2 Asia

In their efforts to increase energy efficiency, they have adopted our LED Lighting + Automation As a Service by replacing their old lighting fixtures across some of their cinemas

# Smart Solution Technology Collaborators



Japan/Italy



Taiwan



France



USA



USA



UK



# Smart Solution Business Partners

**FORMWERKZ**

Formwerkz Architects  
(China/Singapore)



AI Associates  
(ASEAN)



Euroswift  
(China/HK)



ISO-TMG  
(ASEAN)



i-Design and Build  
(Shanghai)



ATC projects  
(ASEAN)

# Our Clients Testimonials

Testimonial from TKC for GV @ Djitsun Mall project 2018

**Didi**

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**Subject:** Testimonial from TKC for GV @ Djitsun Mall project 2018

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**From:** Brad Ong <[bradong5@gmail.com](mailto:bradong5@gmail.com)>  
**Date:** 13 April 2018 at 19:30:40 SGT  
**To:** Andy <[andy@ottosolutions.sg](mailto:andy@ottosolutions.sg)>, Kolo <[kolo@ottosolutions.sg](mailto:kolo@ottosolutions.sg)>  
**Subject:** Re: Bedok - Application

Hi Andy,

Resend with points added.

Regards  
Brad

On Fri, 13 Apr 2018 at 5:46 PM, Brad Ong <[bradong5@gmail.com](mailto:bradong5@gmail.com)> wrote:  
Hi Andy,Kolo,

At Bedok we are near completion and we are looking at a early handover of 4 weeks to GV for opening. I would like to take this opportunity to thanks Oto for assigning Raman to supervise the site. Raman is Hard working with full commitment and good leadership.

He is delicate and able to give instructions clearly to his colleagues attached the project.

He is proactive and willing to go beyond his role to liaise and point out the mistake of other M&E contractors with his experience learned over the past years.

Special thanks to Raman 和 Nanti'.

I am looking forward to work together with Otto for another successful project at Fusan in October.

Thanks all for your hard works at Bedok.

Regards  
Brad

DBC Certificate of Appreciation



Spotlight testimonial





# Our Certifications



The Workplace Safety and Health Council is pleased to certify that  
**OTTO SOLUTIONS PTE. LTD.**

has fulfilled the requirements to attain bizSAFE Level Star  
 This certificate will expire on 23/05/2022

**Ho Lai Fung**  
 Deputy General Manager, Planning and Operations  
 Workplace Safety and Health Council



Certificate No. E13561

BizSAFE Star – Exp 2022



Our Ref : BCA ID 87.1.9  
 Date : 19-Jan-2018  
**BCA Procurement Policies Department  
 Contractors Registration System (CRS)**  
 52 Jurong Gateway Road, #12-01,  
 Singapore 608550

OTTO SOLUTIONS PTE. LTD.  
 10 KAKI BUKIT ROAD 1  
 #03-24 KB INDUSTRIAL BUILDING  
 SINGAPORE 416175

Dear MR LAI JET ANN

**CRS Application Result**

Thank you for your CRS application submitted on 13-Dec-2017.

I am pleased to inform you that your application has been approved for one or more of the following workhead(s):

Workhead	Description	Application Type	Existing Grade	Applied Grade	Approved Grade
ME05	Electrical Engineering	Upgrading Application	L3	L4	L4

Please note that your registration will expire on 01-Jan-2020. You can check your registration status at our BCA Directory at <http://www.bca.gov.sg/bcadirectory/>. A certificate is **not required** for public sector tenders. However, you may still purchase a copy for \$30.00 over at our BCA Service Counter at 52 Jurong Gateway Road #06-01.

Yours sincerely

Adelbert Ngui  
 Principal Manager  
 Procurement Policies Department

<b>If you have any questions</b> Our hotline number : 1800-3425222 Our email : bca_ebacs@bca.gov.sg	<b>Our operating hours</b> Mon-Thu : 8:30am - 5:30pm Fri : 8:30am - 5:00pm Lunch hours (12:30pm - 1:30pm)	<b>Our CRS requirements, FAQ and eBACS application link</b> <a href="http://www.bca.gov.sg/eBACS/">www.bca.gov.sg/eBACS/</a>
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BCA Level 4 – ME05 Exp Jan 2020



Our Ref : BCA ID 87.1.9  
 Date : 25-Jan-2017  
**BCA Procurement Policies Department  
 Contractors Registration System (CRS)**  
 52 Jurong Gateway Road, #12-01,  
 Singapore 608550

OTTO SOLUTIONS PTE. LTD.  
 10 KAKI BUKIT ROAD 1  
 #03-24 KB INDUSTRIAL BUILDING  
 SINGAPORE 416175

Dear MR LAI JET ANN

**CRS Application Result**

Thank you for your CRS application submitted on 30-Dec-2016.

I am pleased to inform you that your application has been approved for one or more of the following workhead(s):

Workhead	Description	Application Type	Existing Grade	Applied Grade	Approved Grade
ME05	Electrical Engineering	Renewal Application	L3	L3	L3
SY05	Electrical & Electronic Materials, Products & Components	Renewal Application	L3	L3	L3

Please note that your registration will expire on 01-Jan-2020. You can check your registration status at our BCA Directory at <http://www.bca.gov.sg/bcadirectory/>. A certificate is **not required** for public sector tenders. However, you may still purchase a copy for \$30.00 over at our BCA Service Counter at 52 Jurong Gateway Road #06-01.

Yours sincerely

Adelbert Ngui  
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BCA Level 3 – SY05 Exp Jan 2020



1 JANUARY 2017 TO 31 DECEMBER 2018  
**Certificate of Appointment**

AWARDED TO  
**Otto Solutions Pte Ltd**  
 IS CERTIFIED KNX PARTNER AND A PRINTED  
**ABB Channel Partner  
 (System Integrator)**

For the following ABB product groups:  
 - ABB i-bus® KNX Intelligent System  
 - Electrical Wiring Accessories  
 - Door Communication System

For the Territory of Singapore

ABB i-bus® Partner since 2015.  
 Certification Registration No. C17-02351

**Johan de Villiers**  
 Managing Director  
 ABB Pte. Ltd.

**Wai Tai Yeap**  
 Local Sales & Marketing Manager  
 Electrification Products Division

This Certification of Appointment is subject to the Terms and Condition stipulated in ABB Channel Partner Agreement and Policy.

Certification of Appointment by ABB



**KNX Award 2010  
 Nominee**

KNX Association certifies that

**Otto Integrated Solutions Pte Ltd.**  
 from Singapore

has participated in the **KNX Award 2010** and reached the final selection round with the project:

**Intelligent Lighting Management System  
 for SIA Airline House, Computer Centre &  
 Training Centre**

within the category:

**INTERNATIONAL**

Frankfurt (Germany), 13<sup>th</sup> April 2010

**Godshand Schneider**  
 President of KNX Association

**KNX** The worldwide STANDARD for home and building control

KNX Award



**Thank You**

KB Industrial Building 10 Kaki Bukit Road 1 #03-24 Singapore 416175

Tel: +65 6254 4666 Email: [contact@ottosolutions.sg](mailto:contact@ottosolutions.sg)