GreenControls Technology Sdn Bhd

COMPANY PROFILE







GreenControls Technology Sdn. Bhd. (1231028-K)

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Mission Statement:

To provide intelligent automation via KNX technology to all homes and building in Asia and beyond.

To improve accessibility of KNX technology and automation controls across all commercial, residential and industrial sectors.



Foreword:

We are a brainchild of a Malaysian entrepreneur who through the holding company have been delivering projects in the field of intelligent automations for over 20 years. GreenControls itself is a young company, established in Malaysia in year 2017.

Our Headquarters is in Kuala Lumpur, Malaysia. Following which, as of 2018, we have expanded our network in ASEAN and established GreenControls Vietnam and GreenControls Indonesia. We also have partners in Thailand, Singapore, Cambodia, Philippines and Myanmar.

We have a wide product range in the fields of KNX, ranging from components such as actuators, switches, touch panels to a full KNX training kit. All of our products are certified in Europe and accredited to KNX standards. Due to the flexibility of the KNX protocol, we are able to interface with any other KNX product seamlessly. Our products can also easily interface with BMS, SCADA and ELV systems for a comprehensive control.

Our products are customer friendly and are easily used by facility managers, engineers, millennial-techies or even the odd housewife at home!

Since our inception in 2017, we have over 50 completed project sites in Malaysia. Some of our more prestigious projects includes Facebook's Headquarters in KL, BHP's Headquarters in KL, Genting's SkyCasino, Banyan Tree Residences in KL and Ikea in Penang. We have projects spanning across residential, commercial and hospitality segments.



CSR Initiative

We strongly believe in upskilling youth of our nation, as the future belongs to them. It is highly noticeable that many youths that graduate from TVET institutes struggle to find jobs in the market.

As part of our CSR effort, we have collaborated with multiple TVET institutes nationwide (Mara, Giatmara, GMI, BMI) to educate both tutors and students about KNX and provide them with the required training kits. We then help these graduates secure better jobs either with us, or with other companies in the industry. Aside from that, we were also platinum sponsors for the ASEAN Skills Competition 2016 (KL) and 2018 (Bangkok), sponsoring KNX products for the competitors

We are also the official sponsor for skills competition such as WorldSkills ASEAN Kuala Lumpur 2016, WorldSkills ASEAN Bangkok 2018, WorldSkills Malaysia from 2015 to 2018 as well as WorldSkills Vietnam 2018.

Lastly, We were also contributors to the Tabung Harapan Malaysia, as we care tremendously on the well being of our beloved nation Malaysia.







KNX Portfolio

We have a comprehensive range of KNX Products:

Output Devices:

- Switching Actuator:
 - 4/8/12 Fold, 16A each
 - 4/8/12 Fold, 20A each with Current Detection
- o 0-10V Dimming Actuator: 4 Fold, 6A each
- **Universal Dimming Actuator:**
 - 4 Fold, 500W Each
 - 2 Fold, 1300W and 500W Each
 - 1 Fold, 2000W
- KNX-DALI Gateway
- Room Controller Premium: 24 Fold, 20 Input, 16A
- o Shutter Actuator: 4 Fold, 6A

Input Devices:

- 5 "Touch Panel: TFT LCD Display (Black/Gold/White)
- o 1/2/3/4-Fold Standard KNX Push Button
- o 1/3-Fold Designer Range KNX Panels (Ripe/Ripe-S/Silk-S Series)

Network Devices:

- o 64mA Power Supply
- Line Coupler
- Logic Module















• Bus Devices:

Universal Interface: 4 Channels

o IR Emitter & IR Learner: 4 Channels

USB Interface (Din Rail or USB type)







Training Equipment

The training workbench is a fully customizable suite, with almost 30 different models available to suite the requirements of the different centres. The equipment is made out of phenolic material.

It is widely used locally in technical centres of Giatmara, Mara, IKM and GMI. It is also used extensively in the technical schools in Vietnam and Thailand













GreenControls Certificate of Membership:





GreenControls Certificates of Conformity











GreenControls Certificates of Conformity











GreenControls Certificates of Conformity







Signature Projects

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Facebook Malaysia HQ, KL





Client: Facebook Malaysia & SICreationz Sdn. Bhd.

Write up:

Facebook Malaysia were looking to incorporate green solutions into their new office in KL Sentral. They had set out to survey the market for a company that provides these solutions. Facebook was impressed with the automation controls and green solutions proposed by GreenControls, and proceeded to award the contract to Seikou Systec, partner of GreenControls.

The Solution:

The KNX solution is used to control the DALI lighting, motorized blinds and HVAC system via scenes and sensors.

Areas Covered:

Whole office

Products Proposed:

GC Switch Actuator, GC Shutter Actuator, GC DALI Gateway, GC Push Buttons,

Year of Completion: 2019



Ikea Penang







Client: Ikea Group

Write up:

Ikea Penang were looking to incorporate a lighting control system into their new outlet in Batu Kawan, Penang. They had set out to survey the market for a company that provides these solutions.

The Solution:

The KNX solution is used to control the lighting via sensors and switches. The KNX solution has its own central monitoring system to monitor and control all lightings. KNX solution is also linked to the BAS system for monitoring.

Areas Covered:

Whole Mall, Office, Perimeter, Warehouse

Products Proposed:

GC Switch Actuator, GC Push Buttons, Theben Sensors

Year of Completion: 2019



KL Eco City Mercu 3 (Parcel B) & KL Eco City Boutique Offices (Parcel C)







Client: SP Setia

Write up:

SP Setia were looking to incorporate a lighting control system into their new new development of commercial buildings in KL Eco City.

Mercu 3 is a 30-storey office tower, while Boutique Offices (The Pillars) are 12 exclusive tower blocks in 3 clusters. The buildings had to achieve GBI Gold certification. They had set out to survey the market for a company that provides these solutions.

The Solution:

The KNX solution is used to control the DALI and normal lightings via sensors and switches. The KNX solution has its own central monitoring system to monitor and control all lightings. KNX solution is also linked to the BAS system for monitoring.



Areas Covered:

Offices, Common Area, Carpark

Products Proposed:

GC Switch Actuator, GC Push Buttons, Theben Sensors

Year of Completion: 2017



Genting Rouge







Client: Genting Group

Write up:

Genting Group were looking to incorporate a best in class lighting control system for their new exclusive club in Genting Highlands. Genting Rouge is a high-end club in Genting Highlands, catered for VIPs and invited guests. The system needed to have extensive dimming and scene display ability. Moreover, the system needed to have ultra-high reliability due to the nature of customers that this club caters to.



The Solution:

The KNX solution is used to control the DALI, Phase Dimm and 1-10V dimmable lightings via scenes and switches. There are extensive dimming and scenes across all areas of the club.

Areas Covered:

Entire Club

Products Proposed:

GC Switching Actuator, GC 1-10V Dimmer, GC Universal Dimmer, GC DALI Gateway, GC Push Buttons, GC Touch Screen

Year of Completion: 2018



Full Project References

Commercial Buildings:

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No	Project Name	Location	Developer/Owner	Products	Year
1	Grand Harbour, Damen	Selangor	Malton Group	KNX Actuator, KNX Universal Dimmer, KNX 1-10V Dimmer, KNX Switch, KNX 5" Touch Screen	2015
2	KL Eco City Parcel B & C	Kuala Lumpur	SP Setia	KNX Actuator, KNX Dali Gateway, KNX Switch	2016
3	IB Tower Penthouse	Kuala Lumpur	Ilham Baru	KNX Actuator, KNX Universal Dimmer, KNX Switch, KNX 5" Touch Screen	2017
4	Kualiti Alam Multipurpose Hall	Port Dickson	Kualiti Alam Sdn Bhd	KNX Actuator, KNX Universal Dimmer, KNX Switch, KNX 5" Touch Screen	2017
5	Auditorium	Langkawi	Langkawi Development	KNX Actuator, KNX 1-10v Dimmer, KNX Switch	2017
6	Pinnacle Cinema	Selangor	Terra Mirus	KNX Actuator, KNX Dali Gateway, KNX Switch, KNX 5" Touch Screen	2017
7	Genting Rouge, Night Club, VVIP Lounge, Conference Room	Genting Highlands	Resorts World Genting	KNX Actuator, Dimmer	2016-2018
8	Grand Harbour, Farenheit 88	Kuala Lumpur	Malton Group	KNX Actuator, KNX Universal Dimmer, KNX 1-10V Dimmer, KNX Switch, KNX 5" Touch Screen	2018
9	Grand Harbour, Damen	Selangor	Malton Group	KNX Actuator, KNX Universal Dimmer, KNX 1-10V Dimmer, KNX Switch, KNX 5" Touch Screen	2015



10	The Mulia Group Headquarters, Exchange 106 Tower TRX	Kuala Lumpur	The Mulia Group	KNX Actuator, KNX Switch, KNX 5" Touch Screen	2018
11	BHP Malaysia Headquarters	Kuala Lumpur	BHP Malaysia	KNX Actuator, KNX Switch, KNX 5" Touch Screen	2018
12	IKEA Penang	Penang	IKEA	KNX Actuator, KNX Switch	2018
13	Facebook Malaysia Headquarters	Kuala Lumpur	Facebook	KNX Actuator, KNX Switch, KNX 5" Touch Screen	2018
14	Tropicana Gardens	Kota Damansara	Tropicana Corp	KNX Actuator, KNX Switch	2019
15	Ikano Tebrau	Johor Bharu	IKEA	KNX Actuator, KNX Switch	2019
16	Mitsui Mall, BBCC	Kuala Lumpur	Eco World	KNX Actuator, KNX Switch	2019/2020

Residential:

No	Project Name	Location	Developer/Owner	Products	Year
1	Dami 88	Kuala Lumpur	Neolumens Sdn Bhd	KNX Actuator, KNX Universal Dimmer, KNX Switch, KNX 5" Touch Screen	2016
2	Aik Cheong Owner Bungalow	Melaka	Aik Cheong Sdn Bhd	KNX Actuator, KNX Switch, KNX 5" Touch Screen	2018
3	19 Unit Bungalow Twin Palms	Kajang	Lum Chang	KNX Actuator, KNX Switch	2019/2020



Hotel:

No	Project Name	Location	Developer/Owner	Products	Year
1	KGPA Hotel	Kuala Lumpur	KGPA	KNX RCU, KNX Sensors	2019/2020
2	Banyan Tree Suites	Kuala Lumpur	Pavillion	KNX RCU	2017
3	Vertical Hotel, Bangsar South	Kuala Lumpur	UOA	KNX Dimmer, 5" Touch Screen	2017
4	Tanjung Rhu Resort	Langkawi	Tanjung Rhu Land Sdn Bhd	KNX Actuator, KNX Universal Interface	2012

TVET Education Institutions with Training Workbench

- 1. Giatmara Bayan Lepas
- 2. Giatmara Taiping
- 3. Kolej Vokasional Sultan Abdul Samad
- 4. Kolej Komuniti Ulu Langat
- 5. Institut Kemahiran Belia Negara Bukit Mertajam
- 6. German Malaysia Institute
- 7. IKM Kuala Lumpur
- 8. IKM Sik
- 9. IKM Johor Bahru
- 10. KNX Vietnam Training Centre
- 11. KNX Myanmar Training Centre



Skills Competition

- 1. WorldSkills Asean Bangkok 2018
- 2. WorldSkills Asean Kuala Lumpur 2016
- 3. WorldSkills Malaysia Belia (WSMB) 2018
- 4. WorldSkills Malaysia Belia (WSMB) 2017
- 5. WorldSkills Malaysia Belia (WSMB) 2016
- 6. WorldSkills Malaysia Pengajar (WSMP) 2018
- 7. WorldSkills Malaysia Pengajar (WSMP) 2017
- 8. WorldSkills Malaysia Pengajar (WSMP) 2016
- 9. WorldSkills Vietnam National 2018
- 10. WorldSkills Vietnam Ministry 2018
- 11. WorldSkills Vietnam Regional 2018

