

MM Energy Efficiency Alliance

**Delivering World-Class Lighting, Cooling, and
Smart Energy Savings**
Southeast Asia & Middle East

Who We Are

MM is Southeast Asia's leading energy efficiency platform—integrating top innovators FES (Europe), BBP (APAC), Unity (ASEAN).

We provide clients with a single, trusted point of contact for outcome-based energy transformation.

Competitive Edge:

- 1,000+ major projects delivered globally
- \$200M+ client energy savings; Fortune 500, public sector, healthcare, retail
- Zero upfront model; verified, auditable results
- Full delivery & support in SEA and GCC; institutional-grade reporting

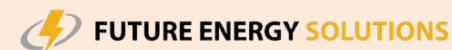
Partner Track Record: BBP

- Asia's leading HVAC optimization platform, backed by KKR
- >400,000 RT cooling optimized across 9 countries
- 100% contract renewal for energy savings clients
- Clients: 3 Fortune 500, 3 of world's top 10 semiconductors, top 20 Asia RE firms
- Up to 40% HVAC energy savings, independent audit
- New products: bbp+ SaaS, predictive maintenance, sub-scale buildings



Partner Track Record: FES

- **12+ years as a LaaS/CaaS market leader**
- 300,000+ energy-efficient lights, 2,300+ sites (9 EU countries, 44 US states)
- £200M+ client energy savings, 32,000 tCO₂ eliminated/year
- Multi-site, multi-country rollout expertise
- Clients: Teagasc (Ireland), Assura PLC (UK healthcare), UK education & public sector
- National frameworks (Lexica), ongoing maintenance and verified outcomes



Partner Track Record: Unity

- **Pioneer of EMC in Asia; 1st ESCO to IPO on HKEX**
- 10M+ Unity LED luminaires deployed, <0.01% defect rate, 180,000-hr design life
- Up to 89% energy savings per site
- Projects: Malaysia MOH hospitals, Paradigm Mall, KLIA2, Matahari (ID), Shoprite (SA)
- RM400M programme for strata/affordable housing (Selangor)
- 10-year warranty, buffer stock, active in GCC & SEA



Sample Project Outcomes

LIGHTING SYSTEM



UNITED KINGDOM

20,128 no of lights across multiple sites types.

c. 14.8 GWh of annual savings.



121,613 no of lights across multiple sites types.

c. 26.0 GWh of annual savings.



Archbishop McCarthy High School, FLORIDA

2,264 no of lights across multiple sites types.

c. 0.39 GWh of annual savings.



UNITED KINGDOM

6,000+ no of lights across multiple sites types.

c. 0.89 GWh of annual savings.



AGRICULTURE AND FOOD DEVELOPMENT AUTHORITY

IRELAND

2,641 no of lights across multiple sites types.

c. 0.41 GWh of annual savings.

Sample Project Outcomes

LIGHTING SYSTEM - HOSPITALS



JOHOR, MALAYSIA

77% savings in lighting.

Before : 3.01 GWh
After : 0.7 GWh



JOHOR, MALAYSIA

81% savings in lighting.

Before : 0.96 GWh
After : 0.18 GWh



NEGERI SEMBILAN, MALAYSIA

80% savings in lighting.

Before : 1.06 GWh
After : 0.22 GWh



JOHOR, MALAYSIA

79% savings in lighting.

Before : 3.4 GWh
After : 0.7 GWh



NEGERI SEMBILAN, MALAYSIA

79% savings in lighting.

Before : 0.4 GWh
After : 0.09 GWh

Sample Project Outcomes

COOLING SYSTEM



SINGAPORE



Hospital
(THAILAND)



28% improvement of chiller plant efficiency.

2,979,551 kWh of annual savings.

1st industrial plant in Singapore to attain Green Mark Platinum Award

(for existing building)

30% improvement of chiller plant efficiency.

1,211,809 kWh of annual savings.

Best efficiency achieved: 0.62 kW/RT

Completed optimization without disruption to 24-hour operations and zero equipment replacement.

11% improvement of chiller plant efficiency.

5.5 GWh of annual savings.

Best efficiency achieved: 0.68 kW/RT

Completed optimization without disruption to 24-hour operations and zero equipment replacement.

36% improvement of chiller plant efficiency.

Best efficiency achieved: 0.77 kW/RT

14% improvement of chiller plant efficiency.

2,800,000 kWh of annual savings.

Completed optimization without disruption to 24-hour operations.

Sample Project Outcomes

LIGHTING SYSTEM & COOLING SYSTEM



71% savings in lighting.
 33% savings in cooling.
 45% total of annual savings = MYR 3.1million



47% savings in lighting.
 47% total of annual savings = MYR 748,000



KUALA LUMPUR INTERNATIONAL AIRPORT (KLIA) TERMINAL 2

78% savings in lighting.
 78% total of annual savings = MYR 1.25million



76% savings in lighting.
 20% savings in cooling.
 34% total of annual savings = MYR 0.95million



76% savings in lighting.
 20% savings in cooling.
 28% total of annual savings = MYR 1.1million

Why MM?

- **Single trusted partner—best of Europe and Asia**
- Pay-for-performance; deploy at any scale
- 30–60% cost reductions; proven carbon impact
- Ready for institutional requirements in SEA, GCC, and beyond

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