KEPPEL

This is the first implementation in a Keppel Data Centre, an operator of premier data centres across Asia-Pacific & Europe.

The lighting system was chosen over a traditional DALI bus system for a few reasons: smartengine eliminates all active components in the data hall, reducing heat production and failure points; a sensor in every fixture means smartengine acts as a redundant oversight system; and basic software applications can be customised to the customer, or used for internal protocols.

location:	Kalbach, Germany
size:	2,500 m2
	11 engines
	1 director
	504 fixtures
installation:	11.14 kWh
maximum energy usage:	all 504 fixtures at 100% brightness
	1.33 kWh*
average energy usage:	using software functions for dimming and zoning
	0.46 kWh
standby:	no movement detected within the data hall
	perimeter fixtures at 10% brightness

*data collected over a three month measuring period

QUOTE:

"Keppel Data Centres worked with WTEC to provide a world class lighting solution within our latest data centre offering in our Frankfurt facility. We collaborated with Alex and his team to deliver a solution that offers a high degree of control and customisation whilst offering us best in class energy efficiency for our end users."

Gareth Cross
General Manager, Technical Solutions (Europe)

Keppel Data Centres

SYSTEM FEATURES

BEST-IN-CLASS ENERGY SAVINGS

World´s most efficient lighting platform

Reduced HVAC costs

Highest LEED and BREEAM credits

POWERFUL BUILDING INTELLIGENCE

Enhance safety & security

Monitor environmental data
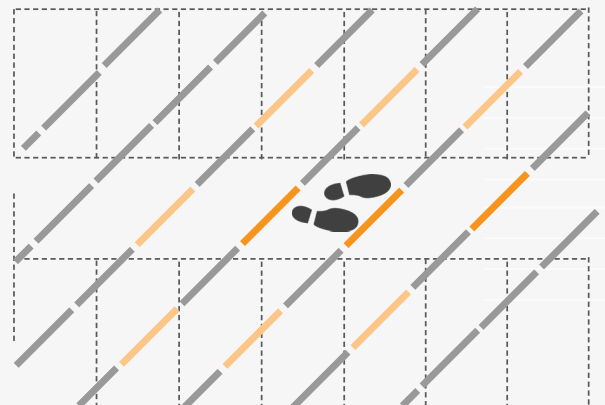
Improve space utilization

Increase productivity

FLEXIBLE & EXPANDABLE

Easy to install, maintain

Quick re-provisioning

Scalable & reliable

Integrates with other building systems

BENEFITS:

- **ONE SENSOR FOR EVERY 5 m^2**
- **ENERGY SAVINGS**
- **MOVEMENT PATTERN ANALYSIS**
- **CUSTOMER ZONE ANALYSIS**
- **ENHANCED SECURITY OVERSIGHT**
- **REAL TIME DATA AND INCIDENT REPORTING**

"FOLLOW ME MODE"

─── fixture 100%

─── fixture 50%

─── fixture   0%

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