SMARTSCAN ANALYTICS

SUB-METERING

SSA IOT meter and data logger monitors all the electrical sub-metering circuits through the low voltage switchgear (LV) panel.

The meters communicate independently via API to the Thorlux Lighting SmartScan network and without intrusion to additional site networks.

Monitoring electrical consumption at a granular level is essential for optimising building and operational efficiencies and effectively increasing your net gains.

Utilising a wireless network means all the SmartScan sensors & meters can be installed easily into existing buildings, however greater realisations can be made within new build construction by coordinating the electrical installation circuit design with procedures and operations within the LV panel.

SUB-METRICS

SSA portal enables notification setting parameters with LIVE customisable limits.

- Electricity (kWh)
- Peak Load (kVA)
- Carbon Dioxide (Kg)

SMARTSCAN ANALYTICS

SmartScan Analytics (SSA) is an online portal that utilises the lighting network to transmit data from either stand-alone or integral sensors & meters.

SSA is a complete digital twin with defined limit notifications, alerts & trend regression, for demand side gains through open-protocol sensors and meters.

SSA records the simultaneous daily conditions & correlates previously known unknown data & metrics, i.e. power, people, movement, air quality etc, as a complete digital shadow.

A digital shadow provides evidential data of everything that happened in the space & adjoining space.

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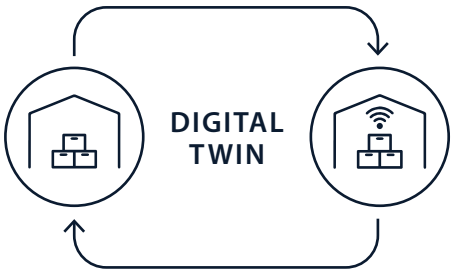
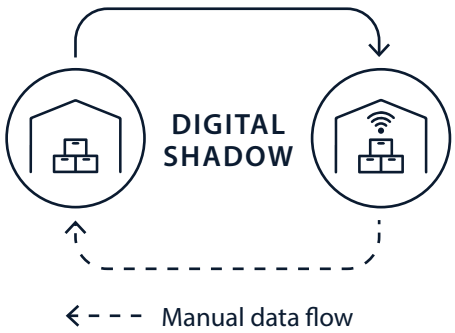


Closed-loop controls and BMS systems optimise asset usage reducing electrical consumption however live monitoring is also essential when peak conditions or criteria are met; SSA live limit notifications are enabled for true demand side gains through a complete digital twin.

The digital twin may also be used to assist in product lifecycle management and maintenance.

As a digital shadow (historical data & analytics), SSA captures true behavioural analytics that can be summated against electrical consumption within the specified space for power intensity ratios, i.e. kWh per person, kWh per item stored etc.

This data capture can then manually be fed back into the system for real-world gains.



If it counts, count it…

Linear metrics can be used to monitor trends, when combined with quantitative or qualitative metrics for cross analytics, further insights can be realised.

SSA can measure anything digital or physical, please contact your Thorlux Lighting representative to discuss custom metrics for your business.

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