



USAGE COUNTERS

SSA "usage" counters provide enhanced analytics and life-cycle performance data for the additional monitoring of:-

- > Use in operation
- > Frequency of operation
- > Age of operation
- > History of operation

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

The counters can be installed onto any mechanical or electronic assets where output relays can be specified (e.g. doors, barriers, lifts, interlocks, trips).



SUB-METRICS

SSA portal enables notification setting parameters with LIVE customisable limits.

- > Occupancy (hs)
- > Operational (hrs)
- > Utilisation (%)
- > Triggers (n)

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.

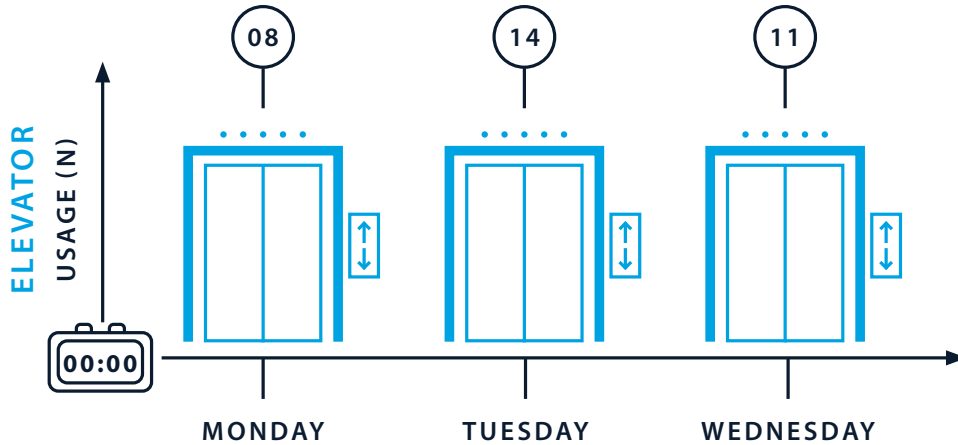
SSA records the simultaneous daily conditions & correlates previously known unknown data & metrics, i.e. power, people, movement, air quality etc, as a complete digital shadow.

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



In each scenario the data effectively provides scheduled maintenance information alongside utilisation & operational data.

Further realisations can be seen when the data is combined with electrical sub-metering or occupancy profiling & operational process alignment.



ELEVATOR #A07

Weekly Operation Time	Total in Operational	Months in Operation	Weekly Utilisation	Weekly Triggers
4 Hrs	84 Hrs	15	2.3 %	80

The counters can be used in multiple applications for additional insights into building operations and optimisation:

- > Preventative maintenance
- > Scheduled maintenance
- > Asset utilisation
- > Process alignment
- > Space & accessibility utilisation
- > Productivity metrics

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.

