

# Smart Lighting

Delivering Value Beyond Illumination



INTERNET OF THINGS



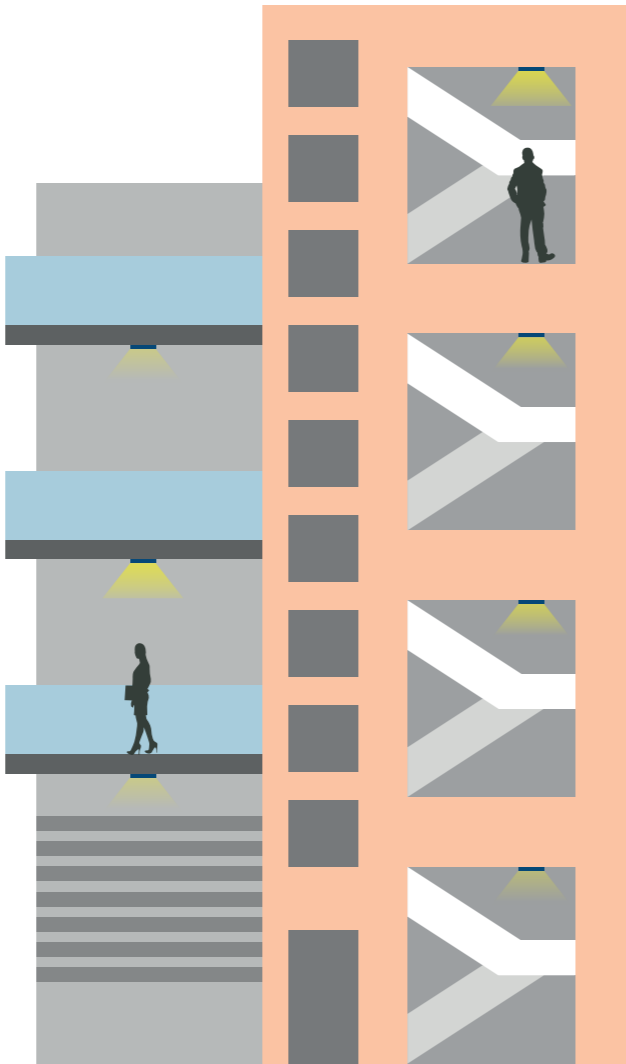
# SMART CITIES

## EFFICIENT LIGHTING

Lighting is one of the highest energy consumers. It accounts for 40% of energy usage and takes up a large portion of maintenance expenditure. City planners now choose to invest in smart lighting for reduced energy consumption, optimise resources and better city management without compromising safety, security and visual comfort.

AgilLiteS Smart Lighting is part of ST Engineering's smart lighting portfolio that combines a secured proprietary wireless mesh network of sensors with a smart control system to achieve maximised lighting efficiency and low operating costs.

Our award-winning solution allows remote configuration and monitoring continuous data collection for data analytics to generate actionable insights.



City planners and business owners are using smart lighting in the following applications to turn lighting infrastructure into assets instead of liabilities



**Healthcare Institutions**



**Walkways & Outdoor Areas**



**Garden Lights & Footpaths**



**Commercial Buildings**



**Public Housing**



**Outdoor & Indoor Carparks**

### AgilLiteS combines smart wireless networked sensors and data analytics for optimised benefits



#### **Configurable Lighting Profiles**

User-friendly interface enables remote configuration and tailored dimming profiles



#### **Anticipatory Illumination**

Occupancy sensing provides on-demand light levels & targeted progressive dimming



#### **Self-diagnostic & Fail-safe**

On-condition monitoring of luminaires and devices allow preventive maintenance



#### **Scalable & Flexible**

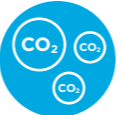
Operational convenience to scale as you need or upgrade your existing infrastructures

### Many smart city planners choose to invest in smart connected lighting for rapid ROI



#### **Cost & Energy Savings**

Drive down operating cost of up to 64% while reducing environmental footprint



#### **Reduce Glare & Light Pollution**

Improve visual comfort and energy efficiency



#### **Smart Data Analytics**

Intelligent analytics to assess lighting patterns for demand planning



#### **Future Ready**

Technology for larger IoT-driven smart city applications

ST Engineering is a global technology, defence and engineering group specialising in the aerospace, electronics, land systems and marine sectors. The Group employs about 22,000 people across oces in Asia, the Americas, Europe and the Middle East, serving customers in the defence, government and commercial segments in more than 100 countries. With more than 500 smart city projects across 70 cities in its track record, the Group continues to help transform cities through its suite of Smart Mobility, Smart Security and Smart Environment solutions. Headquartered in Singapore, ST Engineering reported revenue of \$6.7b in FY2018 and it ranks among the largest companies listed on the Singapore Exchange. It is a component stock of the FTSE Straits Times Index, MSCI Singapore, SGX ESG Transparency Index and SGX ESG Leaders Index.

The Electronics sector specializes in the design, development and delivery of Information and Communications Technology (ICT) products, solutions and services addressing the needs of Smart Cities for Connectivity, Mobility and Security. Its deep technological and engineering expertise straddles business domains in Rail & Road Engineering, Satellite Communications, Public Safety & Security, Cybersecurity, Artificial Intelligence, Training & Simulation, Managed Services and Defense C4ISR. It has presence in more than 30 global cities across North America, Latin America, Europe, Africa, the Middle East, China, India and Southeast Asia. For more information, please visit [www.stengg.com](http://www.stengg.com).