

E-WATS Wireless Automatic Test System for Emergency Lights

Delivering Value Beyond Illumination



ASSURANCE TESTING FOR EFFICIENCY & SAFETY

Driving the Future with AGIL™

The rise in demand for improved fire and emergency preparedness in buildings through the utilisation of the Internet of Things (IoT), smart sensors, secured network connectivity and building automation technologies are shaping the future. We are obsessed with a deep sense of purpose to address a range of evolving challenges, whether it is securing occupants' safety, optimising maintenance processes or ensuring energy-efficient and environmentally sustainable outcomes to create smarter and safer living environments.


To address the importance of building emergency preparedness, utilising smart technologies to enhance maintenance processes, while reducing operational costs, drive our solutioning approach. AGIL, our unique solutioning approach, acts as the heart of our conscious innovation to constantly seek and challenge incisive, inventive and intuitive solutions to help solve real-world problems. With emerging technology and experiential thinking, we have effected over 100 large-scale security projects across over 22 cities.

Emergency lighting systems are essential to the safety of building occupants. It is necessary to ensure that emergency and exit lights are in good working condition when emergency occurs. Building managers must allocate manpower resources to conduct functional testing, log accurate inspection procedures and administer regular audits which are both costly and vulnerable to human errors.


Assurance testing of emergency lights with AGIL E-WATS Wireless Automatic Test System, a smart wireless infrastructure-free and fully automatic solution to carry out all tests required under SCDF SS 563 for all emergency lightings intended for functionality, safety and operational efficiency.

The solution is certified and compliant to IEC 62034 with Type PERC classification and ensures that emergency lighting systems are compliant with standards and industry regulations, cost-effective and reliable than manual testing.


Features




Wireless Technology
No access point required for installation




Standards-compliant
Testing & inspection are in-compliant to IEC 62034




Emergency Ready
Provides assurance of safe and continuous operations



Self-test Functionality
Checks all emergency lighting systems are fully operational




Cost-effective
Extends battery to prolong luminaire life




Automatic Tests Scheduling & Recording
Conducts auto scheduled tests & log procedures for all emergency lighting




Benefits




Ease of Installation
Requires no additional infrastructure and cabling into existing structures




Regular Checks & Periodic Servicing
Provides system diagnostics to schedule commissioning tests & customized intervals for functional and duration tests



Real-time Status Alerts
Conducts alert status for regulatory test, battery health state, charger health state, luminaire LED health state and LED indicator health state



Remote Access
Ability to remotely access and monitor from a centralised dashboard providing total visibility and control



Lower Maintenance & Labour Costs
Cost-effective than manual testing by reducing manpower labour allocation

Emergency Lighting Wireless ATS Applications



Surface Mounted LED Exit Sign



Quick Fit Recessed Surface



Dual Head LED Emergency Light



LED Emergency Twin Spot Light



UFO Recessed Emergency Light



Surfaced LED Bulkhead Emergency Light

ST Engineering is a global technology, defence and engineering group specialising in the aerospace, electronics, land systems and marine sectors. The Group employs about 23,000 people across offices in Asia, Europe, Middle East and the U.S., serving customers in the defence, government and commercial segments in more than 100 countries. With more than 700 smart city projects across 130 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 \$7.9b in FY2019 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, iEdge SG ESG Transparency Index and iEdge SG ESG Leaders Index.

The Electronics sector specialises 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 U.S., Europe, Africa, the Middle East, China, India and Southeast Asia. For more information, please visit www.stengg.com.

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