

**REACH: non-regulatory announcement\***

Light Science Technologies Holdings plc

("LSTH", "Light Science", the "Company" or the "Group")

Additional endorsement of Injectaclad's durability

**50-Year Durability Confirmed: Injectaclad Proves Its Performance Stands the Test of Time**

- Enhanced product proposition
- Increased validation for potential customers

Light Science Technologies Holdings plc (AIM: LST), the innovative technology and manufacturing business providing real-world solutions targeting issues including global food security and fire safety, announces that following strenuous independent testing, the Injectaclad fire-resistant graphite barrier system, which is installed by the Company's Passive Fire Protection ("PFP") division, has been proven to have a 50-year lifespan - versus an industry barrier system average of c.15 years.

The Injectaclad solution, which the Company retrospectively installs within building cavities, was subjected to 153 days at 90°C-simulating a 50-year lifespan, with the results showing it maintained visual and structural integrity, with no degradation observed. The proven quality and longevity of Injectaclad provides further validation for building owners, residents, fire engineers, and regulators alike, with the Company primed to benefit from increased leverage as the UK's first independent approved installer of the system.

The rigorous testing, conducted to ASTM F1980 standards<sup>1</sup>, adds further value to the Injectaclad solution, and provides an additional USP - with the market looking for proven, cost effective and minimally invasive solutions to rectify non-compliant public and private buildings in the UK requiring cavity remediation. As regulations tighten and expectations rise, Injectaclad continues to set the standard for high-performance cavity fire barriers.

**Chris Lewis, CEO of Injectaclad, commented:** *"This test further validates the robust performance of the Injectaclad solution over time. When lives depend on fire safety systems functioning decades from installation, this kind of data is non-negotiable. We're proud to deliver a product you can trust today, tomorrow, and 50 years from now. We recently awarded LSTH the Injectaclad Contractor Award and look forward to continuing our relationship with them."*

**Simon Deacon, CEO of LSTH, commented:** *"It's fantastic to have this additional qualification. We are focused on providing a cost effective and compelling solution to the regulatory-backed industry. Government targets will need to be fulfilled and we believe that the strength of our pipeline and ability to deliver increasingly large contracts to existing and new clients highlight the scalability and potential of this division. As the UK's premier independent approved installer, there is significant potential for us to add to our Injectaclad pump fleet and take advantage of the growing fire safety retrofit market in the UK."*

<sup>1</sup> [F1980 Standard Guide for Accelerated Aging of Sterile Barrier Systems and Medical Devices](#)

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## **About Light Science Technologies Holdings plc ([www.lightsciencetechnologiesholdings.com](http://www.lightsciencetechnologiesholdings.com))**

Light Science Technologies Holdings plc operates through three divisions: Passive fire protection ("PFP"); AgTech ("AGT") and contract electronics manufacturing ("CEM"). The company is involved in the design, manufacturing, and installation of products and customized solutions spanning various industry sectors, including commercial horticulture, pest control, lighting, audio, gas detection, and fire protection. With a focus on addressing global challenges related to food security, climate change, and fire protection, the Group is committed to developing robust solutions in these rapidly growing market sectors.

LSTH is the holding company for LSTH IFB Limited ("LSTH IFB") in the PFP division; Light Science Technologies Ltd ("Light Science Technologies") and Tomtech (UK) Limited ("Tomtech") in the AGT division and UK Circuits and Electronics Solutions Limited ("UK Circuits") in the CEM division.

### **[Passive Fire Protection \(<https://injectafirebarrier.com/>\)](https://injectafirebarrier.com/)**

LSTH IFB offers a practical and cost-effective solution to rectify non-compliant public and private buildings, spanning residential, commercial, and industrial sectors, with regard to fire safety regulations - a challenge addressed by a £6.1 billion allocation from the UK government. Serving as the UK's premier independent approved installer, LSTH IFB utilises the ground-breaking Injectaclad fire-resistant graphite barrier system. This system is retroactively installed within building cavities, reinstating fire-resistant performance and containing the spread of fire and smoke compliant with regulatory requirements. This innovative solution stands out as an appealing alternative to the more costly and disruptive method of removing external facades and installing traditional fire barriers. With a proven track record in the passive fire protection market and a robust sales pipeline, LSTH IFB targets a UK market potentially valued at up to £50 billion\*.

### **AgTech**

The Group's tailored solutions encompass control systems, grow lights, sensor technology, venting, and irrigation systems, catering to both UK and global customers. Key markets include indoor, vertical, glasshouses, polytunnels, and more recently wider applications in broadacre farming. Driving factors comprise global food and water shortages, a growing population, government policies promoting sustainable growth methods, heightened scrutiny of food production's impact on climate change, and a shift away from processed foods. Key markets span the Americas, Australasia, and select locations in the Middle East.

The sensorGRO technology enables real-time monitoring of essential air zone growing factors such as carbon dioxide, air humidity, air pressure, air temperature and light, in addition to essential root zone cardinals such as soil temperature, soil moisture, and soil electroconductivity. Further developments to monitor greenhouse gases, initially Nitrous Oxide (N2O) are in progress. This empowers farmers to enhance resource management, saving costs on water, nutrients, fertilizers, and energy, while simultaneously increasing yields and cultivating healthier crops. Learn more here: <https://lightsciencetech.com/sensorgrow/>. The nurturGRO sustainable grow lighting product range, applicable to greenhouses, vertical farming, polytunnels, and licensed medicinal plants, addresses a robust market with an anticipated global worth of £9.1 billion\*\* by 2030. Explore solutions here <https://lightsciencetech.com/solutions/greenhouse/>.

Through Tomtech, the Group stands out as a UK leader in control systems for commercial greenhouses and polytunnels. Tomtech enables growers to optimise and automate cultivation environments, leading to superior crop growth. The product range includes control systems, software, irrigation, lighting, sensors, and venting, applicable across various crops, ultimately improving yields and profitability. Discover more here <https://www.tomtech.co.uk/>

### **[Contract Electronics Manufacturing \(<https://www.ukcircuits.co.uk/>\)](https://www.ukcircuits.co.uk/)**

UK Circuits serves as the Group's profitable and revenue-strong CEM-focused division. It excels in designing, procuring, and manufacturing high-quality electronic products, with a specialisation in Printed Circuit Boards. These products find application across diverse sectors such as audio, automotive, electronics, gas detection, lighting, pest control, telecommunications and AgTech.

\* [Estimators price cladding replacement at 10 times government budget \(theconstructionindex.co.uk\)](https://theconstructionindex.co.uk) 2021

\*\*Report: Allied Market Research LED Grow Lights Market Analysis 2030; (<https://www.alliedmarketresearch.com/led-grow-lights-market-A12416>): USD 12.3 billion by 2030 converted at GBP £1 = USD 1.35.

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