

October 19<sup>th</sup>, 2023

EMBARGOED UNTIL OCTOBER 19<sup>TH</sup> 2023

## Spectronik obtains regulatory approval to begin trial of Hydrogen fuel cell vehicle on public road

**Singapore, 19 October 2023** – Spectronik, a Singapore-based Hydrogen fuel cell developer, today announced that it has successfully obtained all necessary approvals from landowners JTC Corporation (JTC) and government regulatory bodies such as the Land Transport Authority (LTA) and Singapore Civil Defence Force (SCDF) for its Cruiser Hydrogen fuel cell vehicle - paving the way to commence road trial.

Cruiser is a zero emission, fully-electric light commercial goods vehicle capable of carrying up to 1 tonne of cargo. It is powered by Spectronik fuel cell which is designed and manufactured exclusively in-house in Singapore. Cruiser has a driving range of 500km and refilling its on-board Hydrogen cylinders takes just five minutes, presenting an environmentally friendly and operationally efficient transport and logistics solution.

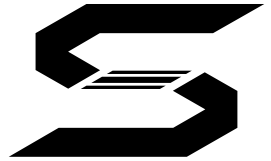
Cruiser road trial aims to achieve three objectives:

- 1. Technical goals:** to prove the product reliability and lifetime of Spectronik fuel cell in real operating environment, subjecting the fuel cell to hot and wet weather, dust, shock and vibration, as well as start-stop cycles typical of urban driving in Singapore;
- 2. Business goals:** to quantify and extrapolate the results to determine carbon and cost savings for a fleet of Hydrogen fuel cell vehicles, and to better understand the operational needs such as refueling infrastructure, maintenance and regulatory requirements;
- 3. Intangible benefits:** to raise public awareness of Hydrogen fuel cell mobility and highlight Singapore as an advanced innovator of urban mobility and future technology living lab.

“Obtaining regulatory approval is a significant milestone for Spectronik as it proves the roadworthiness of the Cruiser Hydrogen fuel cell vehicle. The results of our road trial will provide better insight into the potential of Hydrogen to decarbonize commercial fleet vehicles in Singapore. We will continue to work closely with all related stakeholders and update them regularly on the progress of the trial,” said Jogjaman Jap – CEO of Spectronik.

Cruiser road trial is expected to begin on 23 October 2023 on pre-approved routes within JTC’s Jurong Innovation District (JID) in western Singapore. The trial will run for an initial duration of one year.

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#### ■ About Spectronik

Founded in 2011, Spectronik initially developed custom Hydrogen fuel cells for military and industrial Unmanned Aerial Vehicles. The success of its aerospace fuel cell program formed the backbone of the Spectronik Protium Series fuel cell products. To date, hundreds of Protium Series fuel cells have been deployed in 33+ countries worldwide. They can be found in the air, on land, at sea and on rail – powering a host of applications such as drones, forklifts, AGVs, eco-cars, autonomous robots and trains. Spectronik powered products have won a national award, set a world record and dominated several fuel efficiency competitions.

Leveraging on the technology transfer from aerospace to road mobility, in 2019 Spectronik started developing automotive fuel cell systems – the Cruiser Series, designed to meet the unique needs of tomorrow's fleet vehicles: zero emission, higher driving range, faster refueling time, and longer service lifetime.

All Spectronik fuel cells are proudly designed and manufactured in Singapore.

For more information on Spectronik, visit <https://www.spectronik.com>.

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