

# Odin Energy Ltd

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ASX Announcement - ODIN

17 May 2018

## ODIN Energy Update

The Board of Odin Energy Ltd (“Odin” or “the Company”) is pleased to provide the following update with respect to gridComm 's continual growth in its Smart Street Light Deployment.

### **gridComm Appointed Hong Kong-based Lighting Leader eSpot to Manufacture and Sell gridComm DPS into gridComm Based Smart Street Light Deployments**

gridComm, a leading supplier of smart street light solutions and networks for pan-city connected IOT sensors, has announced the availability of its family of smart street light digital power supplies, that power LED street lights and create a street light network, for remote monitoring and control.

The gridComm digital power supplies (DPS) combine its digital power supply technology with its proven reliable, high noise immunity data communications, enabling remote control and monitoring of street lights.

gridComm has entered into an arrangement with eSpot Lighting Limited, a Hong Kong based technology development company focusing on the development and engineering of Internet of Things Movement’s network devices and solutions through local area networks or Cloud Networks.

eSpot will manufacture and sell the DPS’s for use in smart street light deployments. Working with Watran on high volume manufacturing, quality control and improved reliability, eSpot will provide DPS’s in large quantities.

The DPS (a.k.a. Smart Driver) is also integrated with metering functions for real-time monitoring of operational status, power consumption, current, voltage, and power factor of individual street lights.

This tremendously increases efficiency by reducing needs for manual checking of lights and facilitates timely repairs of faulty lights. Besides, the DPS is designed and built with lesser discrete components as compared to the conventional fixed-topology drivers.

This results in much higher reliability and performance. Power efficiency is as high as 95% with a power factor of 0.95. The DPS implements a 32-bit MCU-enabled control feedback loop at the front-end driver circuitry.

Due to its programmable nature, the DPS is able to adapt to different types of loads with simpler circuit design at a lower cost. The MCU also enables it to perform Machine Learning and compensate for any DC voltage drifting or power variations due to faulty LEDs, hence preventing the lamp from flickering or premature failure.

There are DPS models for 90, 120 and 150-watt street lights. When used with gridComm’s Master Light Controller, and the backend street light management software (SLMS), this forms a complete

smart street light control and management system. This enables real-time control and automatic scheduling of switching on and off, and dimming levels of individual lights from a central location, reducing electricity usage by up to 40%.

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“gridComm smart street light digital power supplies enable cities to remotely monitor and control a network of street lights. Being able to communicate data from street lights reliably is critical. This is difficult in electrically noisy environments. These digital power supplies power the lights, and enable reliable communications for improved maintenance and reduced cost, critical requirements towards building smart cities,” said K. H. Jen Managing Director, gridComm. “Working with eSpot enables us to meet the high-volume requirements for smart city street light deployments”.

“gridComm's smart street light solution is used in smart cities throughout Asia. With eSpot manufacturing and light driver quality management, we will be able to provide smart street light solutions for large quantity street light deployments,” said Ricky Cheung, eSpot CEO.

The boards of gridComm and Odin are committed to continuing the process of the RTO through ODN. The delays experienced by both companies are mainly due to the expectation of converting several key trials to deliverable contracts and installations and as such demonstrating market support for our vital technology.

#### FOR FURTHER INFORMATION CONTACT

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