

## Skytider™

Asrizam Esam, Norliyana Kamarudin, Norhidayah Mad Halid, Hafliza Hussin, Norazlin Monir, Mohammad Hisham Omar, Muhammad Izzat Nor Adzmi, Mohd Mas'Ataillah Ismail, Shahriman Hashim

Skytider<sup>™</sup> is a tool designed to facilitate the installation of buntings as compared to the existing method, which requires a ladder for climbing and the use of sizable manpower. Skytider<sup>™</sup> applies an eco-friendly approach by replacing wires with cable ties. The use of wires during the usual way of bunting installation results in discarded wires that may rust the pole lights after the buntings are uninstalled from the pole. Skytider<sup>™</sup> allows for installation without the need for individuals to climb and twist wires. Most importantly, it helps avoid the risk of an accident. Among the risks encountered during bunting installations include falling down from

a ladder, uneven ground surfaces when placing the ladder, narrow areas that are difficult to reach, and street pole lights that are too close to the main roads. Based on the stated problems, the staff of Putra Science Park have come up with a new invention to facilitate installation of buntings. Skytider<sup>™</sup> is made up of two major materials: aluminium and steel weighing 850g, which enable the installation and uninstallation of buntings without the use of a ladder. The tool has also managed to speed up installation work, increase safety level, and save costs by reducing dependency on external contractors.