

# Skyridder™ - Long Handle Wire Cutter

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SKYRIDDER



Limitation of current tools

Skyridder helps KRT Kajang community

## CURRENT ISSUE |

Advertisement buntings are still widely used in Malaysia because of their low cost, easy to operate and lot of services offer by the company. Difficulties to dismantle the buntings or leftover rusted wire that need to use a ladder in uncertainty condition can cause a risk of ladder falls based on UPM risk evaluation matrix, disrupts the scenery, and pollute the environment.

On the other hand, the rusted wire is left on the street lighting columns due to the dumping of illegal advertisements in the residential areas in Malaysia.

## INVENTION |

Skyridder, is a working prototype that can simplify the process of removing wires on lamp posts without using a ladder, speed up the process, improve worker safety, and is low cost. Skyridder can also help to speed up the uninstallation of buntings and taking down the illegal advertisements. Its also helps the community to make sure the cleanliness of lamp post and environment.

## ADVANTAGES |

Project implementation was successfully executed in 2019 and the innovation can reach height up to **5.5 meter** from the ground, **85% speedup** the process, **98% cheaper** compare than imported tools, **reduce 75% weight** from average imported tools, **easy to use** and **adjustable handle** to avoid using a ladder to **improve worker's safety**.



Manual ethod



Polluted environment & ladders fall risk



**8,100 KRT  
Malaysia**

Current issue

## IMPACT |

- Help the workers more safety to take out the rusted wire on the street lighting columns in any ground circumstances condition, confront presence blazing of the sun to minimize, reduce and eliminate hazards that occur due to any obstacle, and ladder perturbation
- Helps PBT & Community to clean the lamp post and environment.

## MARKET POTENTIAL |

- By successfully implemented this project, we manage to improve workers safety based on OSH evaluation towards achieving our university strategic plan and been used by the university and nearby community.
- Potential to be use by **154 Local Authority & 8,100 resident community in Malaysia** to overcome the illegal advertisement at the lamppost.

## AWARDS |

- 3<sup>rd</sup> LOTH MOSTI Award 2023
- Par Excellence Award ICQCC India 2021
- Gold Award – MIIX 2022, APIC MPC 2020 & ICC Public University 2019

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