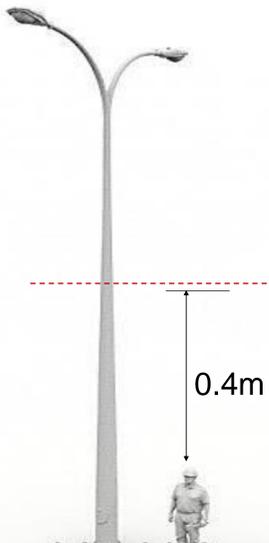


# Skyrider™ - Long Handle Wire Cutter

AR2019004073

SKYRIDDER



Limitation of current tools

Skyrider 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 Serdang Selangor.

## INVENTION |

Skyrider, is a working prototype that can simplify the process of removing wires on lamp posts without using a ladder, speed up the installation work, improve safety, and is low cost. Skyrider can also help to speed up the uninstallation of buntings and illegal advertisements.

## 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, **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

## 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 |

- Par Excellence Award ICQCC India 2021
- Gold award APIC MPC 2020
- Gold award ICC Public University 2019



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