

## Hydrogen Power Paving a Cleaner, Greener and Better Tomorrow

**Friday, 23 April 2021, Kuching** – Yesterday's 51st Earth Day celebration provided an opportunity to renew our commitment to better the environment by addressing Climate Change.

In line with Malaysia's zero-emission goals, Sarawak is investing in green hydrogen technology towards providing a convenient, comfortable, and environmentally friendly public transportation system in the Kuching Urban Transportation System (KUTS). The Automated Rapid Transit (ART) vehicle of KUTS will run on Hydrogen.

Hydrogen Fuel Cell Technology is an eco-friendly innovation that will only produce electricity, heat, and water. More than just a conscientious option, this technology is also efficient as it enables longer range and shorter refuelling time.

Additionally, this technology leverages on Sarawak's abundant renewable hydropower potential to produce low carbon hydrogen.

It is worth noting the availability of different types of Hydrogen: Green, Turquoise, Yellow, Blue, Pink, Grey, White and Brown.

Each Hydrogen is produced differently; via electrolysis of water (Green), thermal splitting of methane (Turquoise), electrolysis via grid electricity (Yellow), sequestration of Carbon Dioxide (Blue), electrolysis via nuclear power (Pink), steam-methane reforming (Grey), Industrial processes byproduct (White), gasification of fossil fuel (Brown), with different pros and cons.

It is said that "we do not inherit the earth from our ancestors; we borrow it from our children". With an environmentally friendly power source, KUTS promises to preserve our Earth while pushing development ahead.

As PMC for Line 2 of KUTS, Maltimur has an opportunity to contribute to an excellent legacy.

