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EXCLUSIVE PRESS

## NanoMalaysia Bhd To Implement Pilot Electric Vehicle Charger



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**KUALA LUMPUR, Dec 27 (Bernama)** -- NanoMalaysia Bhd (NMB), the leading agency for localisation of electric vehicle (EV) technology development under the Ministry of Science, Technology and Innovation (MOSTI) is piloting an EV charger at Temasya PETRONAS station located along the Federal Highway in Klang Valley using the **RENEW** (Renewable Energy Nanogrid) concept powered by clean, renewable energy technology using nano-enhanced solar panels. The technology development is managed by Nano Commerce Sdn Bhd (NCSB), a wholly-owned subsidiary and business arm of NMB, partnering with a local EV enterprise.

**RENEW** collectively consists of a fast-charging 50kW EV charger, nano-enhanced solar PV panels, and lithium-ion batteries. The solar PV is enhanced through nano coating supplementing hydrophobic properties allowing greater efficiency during inclement weather. With **RENEW** additionally powered by solar energy with energy storage capabilities, the system's dependency on grid power is reduced by up to 20% which effectively will assist Malaysia's decarbonization.