

## PEES Power Systems

# New delhi microgrid development



## Overview

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Partnered with Panitek Power and BSES Rajdhani Power, the New Delhi initiative has created a digital twin of the area's energy grid - a virtual replica of the physical grid - to identify weak areas, target repairs and ultimately reduce energy losses. & BANGALORE, INDIA, [Decem] - Ohmium International ("Ohmium"), a leading green hydrogen company that designs, manufactures, and deploys advanced Proton Exchange Membrane (PEM) electrolyzers, and Spirare Energy, a provider of on-site energy generation systems, are pleased to announce the. Tata Power Delhi Distribution Limited (Tata Power-DDL), in collaboration with Japan's Nissin Electric, has successfully commissioned a cutting-edge micro substation as part of a demonstration project under the New Energy and Industrial Technology Development Organization (NEDO) of Japan. This. Toyota Kirloskar Motor has signed a new agreement with PEM electrolyser maker Ohmium to design and build a decentralised hydrogen-powered microgrid in India - expanding Toyota's hydrogen strategy beyond vehicles and into clean, off-grid power. The partnership, announced in New Delhi on 25 June. Ohmium and Spirare Energy have successfully produced green hydrogen at NTPC NETRA's microgrid in New Delhi, utilising solar energy and advanced PEM electrolyzers. Their efforts include the deployment of Solar PV rooftop, Solar PV, Wind Parks, and other renewable energy sources, as well as Demand Side Management (DSM) with energy. This project boosts India's energy independence, decarbonisation efforts, and rural growth with 24/7 renewable power. This pilot project, powered by solar energy.

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### **Toyota and Ohmium to co-develop hydrogen microgrid in India**

The partnership, announced in New Delhi on 25 June, will see Toyota supply its fuel cell modules and integration expertise, while Ohmium leads the design and development of a modular ...

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### **BSES commissions Delhi's first urban microgrid system**

New Delhi: Delhi Power Minister Satyendar Jain on Friday inaugurated the city's first urban microgrid system set up at Shivalik in Malviya Nagar that will save 115 tonnes of carbon ...



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### **Delhi gets it's first Urban Power-grid system**

In a major development towards the environment and its cause, the Delhi government unveiled the city's first urban microgrid system setting it up at Shivalik in Malviya Nagar.



## Ohmium and Spirare Unveil Hydrogen Production at NTPC NETRA ...

Ohmium International, a US-based green hydrogen solutions provider, and Spirare Energy, specialising in on-site energy systems, have successfully produced green hydrogen at ...



## Delhi Leads With Microgrid Energy Innovation

Tata Power Delhi Distribution Limited (Tata Power-DDL), in collaboration with Japan's Nissin Electric, has successfully commissioned a cutting-edge micro substation as part of a ...

## Grid sense: How digital twins are transforming New Delhi's

Partnered with Panitek Power and BSES Rajdhani Power, the New Delhi initiative has created a digital twin of the area's energy grid - a virtual replica of the physical grid - to identify weak ...



## Ohmium and Spirare Energy Announce Successful Green Hydrogen ...

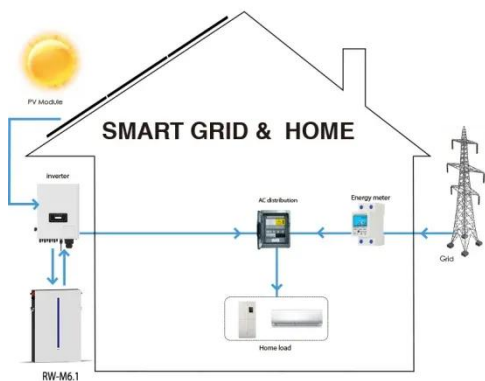
The green microgrid sustainably powers

the NTPC NETRA campus in New Delhi and is designed to provide continuous power. A solar array provides green power to the microgrid and the Ohmium ...



## Ohmium and Spirare Energy power NTPC's NETRA campus with ...

Ohmium International and Spirare Energy have successfully produced green hydrogen at NTPC's NETRA campus microgrid in New Delhi. This pilot project, powered by solar energy, ...



## Microgrid project inaugurated in India

IElectrix has launched its Shakti microgrid in New Delhi. This grid will improve the resilience and quality of the electricity supply in the city using solar energy. It brings together solar ...

## BSES commissions first-of-its-kind Urban Microgrid System in Delhi

Urban Microgrid System (Solar+ Battery)  
at the LV distribution network in Delhi  
has been set-up at Shivalik, Malvi.



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