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# Key Developments & Insights

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# Tech Giants and Corporates Commit to **Triple Global Nuclear Energy Capacity by 2050**



## Major Commitment:

Amazon, Google, Meta, and Dow are among the leading companies vowing to triple nuclear energy capacity by 2050. This marks a significant milestone in the global energy transition.

## Wider Industry Support:

The pledge reflects growing cross-industry endorsement for nuclear energy as a clean, reliable, and scalable power source to meet future energy demands.

## Breaking Traditional Boundaries:

This is the first extensive commitment from diverse industries outside the traditional nuclear sector, underscoring a shift toward nuclear as a sustainable and stable energy solution.

## Strategic Implications:

This initiative positions nuclear energy as a key player in enhancing global energy resilience and advancing decarbonization efforts in various sectors.

# JSL Unveils Ambitious 2050 Net-Zero Emissions Strategy

**Focus Areas for Net-Zero:**

To achieve its 2050 net-zero emissions goal, JSL will prioritize waste management, carbon capture technology, renewable energy, green hydrogen, and biodiversity preservation.



**Financial and Environmental Goals:**

JSL asserts that this multifaceted approach will not only support long-term financial stability but also reduce its environmental footprint.



**Sustainable Investments Highlighted:**

In its latest ESG report, JSL outlined key investments in green hydrogen, recycling technology, and renewable energy, reinforcing its commitment to sustainable operations.

**Biodiversity and Risk Management:**

The company has implemented Biodiversity Management Plans (BMPs) and conducted natural risk assessments at major facilities in Jaipur, Hisar, and Vizag, ensuring alignment with environmental protection standards.

# SK Energy Partners with Cathay Pacific to **Boost Sustainable Aviation Fuel Production**



## Strategic Partnership:

SK Energy has formed a collaboration with Cathay Pacific to supply 20,000 tonnes of Sustainable Aviation Fuel (SAF) by 2027, advancing efforts to reduce aviation emissions.

## Increased SAF Production Capacity:

The agreement increases SK Energy's annual SAF production capacity to **100,000** tonnes, using a co-processing technique that blends bio-feedstocks with conventional fuels, offering lower-carbon alternatives like SAF and bio-naphtha.

## International SAF Mandates:

The U.S. plans to transition to SAF by 2050, South Korea is set to introduce a 1% SAF blending mandate in 2027, and Singapore is exploring SAF policy options to support decarbonization efforts in aviation.

## Rising Global SAF Demand:

Stricter environmental regulations are driving the global demand for SAF, with Europe mandating that **2%** of all departing flights use SAF, rising to **70%** by 2050.

## Lumo Partners with Marka to **Lead the Charge for Sustainable Rail Travel**



### Eco-Friendly Collaboration:

Lumo, the UK's first all-electric rail service, has partnered with Marka, the nation's first standardized sustainability rating body for the hospitality industry, to promote eco-conscious travel options.

### Sustainability Standards Set:

Lumo is setting new benchmarks in sustainable rail transport with a fully electric fleet, a **50%** plant-based menu, e-ticketing encouragement, and a shift from plastic bottles to more sustainable alternatives.

### Commitment to Green Travel:

The collaboration emphasizes Lumo's commitment to environmentally-friendly travel, underscoring its role as a leader in the sustainable transport sector.



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