

Keppel Sakra Cogen Plant Starts Commercial Operations In Singapore

Description

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Keppel Sakra Cogen Plant has moved from project milestone to operating infrastructure. Keppelâ??s announcement says the 600MW combined-cycle gas turbine facility has commenced commercial operations, making it Singaporeâ??s first hydrogen-compatible combined-cycle power plant.

For readers tracking Singaporeâ??s energy transition, the important point is not only the opening. Keppel says the fully contracted plant expands its power capacity by about 45 per cent and strengthens its position in Singaporeâ??s power market as electricity demand, energy security and lower-carbon optionality become more important.

What The Plant Adds

The plant is described by Keppel as a 600MW CCGT facility. It currently runs on natural gas, but the technology is capable of co-combusting up to 30 per cent hydrogen with natural gas from the start.

Keppel also says the plant can be modified to run entirely on low-carbon hydrogen when hydrogen supply chains mature. That gives Singapore a near-term baseload-power asset and a longer-term pathway if lower-carbon fuel supply becomes commercially available.

- Capacity: 600MW.
- Technology: combined-cycle gas turbine.
- Current fuel: natural gas.
- Hydrogen compatibility: up to 30 per cent co-combustion from the start.
- Keppel power capacity: up by about 45 per cent after the plant starts operations.

Why Businesses Should Care

Reliable power supply matters directly to data centres, advanced manufacturing, logistics, hospitality and commercial real estate. Keppel frames the plant as future-ready infrastructure for Singaporeâ??s market, where digitalisation and cooling demand continue to raise the importance of firm electricity

supply.

The project also connects to a broader national conversation. Keppelâ??s energy-transition feature notes Singaporeâ??s target to import up to 4GW of low-carbon electricity by 2035, while the power sector continues to evolve around security, reliability and lower-emissions options.

What To Watch Next

The immediate business story is operating capacity. The medium-term story is whether hydrogen supply chains, regional electricity imports and fuel economics develop enough to let such assets shift beyond conventional natural gas operation.

Keppelâ??s announcement gives the market a concrete asset to track. As more data-heavy and climate-sensitive sectors grow, the Sakra plant will be one of the infrastructure markers for how Singapore balances resilience with decarbonisation.

Location Notes

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- Keppel Sakra Cogen Plant

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