

**Role of Innovation &
Sustainability**
in making Jurong Port a
**Next Generation
Multipurpose port**

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Contents

- Multipurpose port - context
- Energy landscape @ JP
- Innovation & Sustainability
- SMES A vector for Next Gen Port



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Multipurpose port - context



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Multipurpose port - context



Energy landscape @ JP

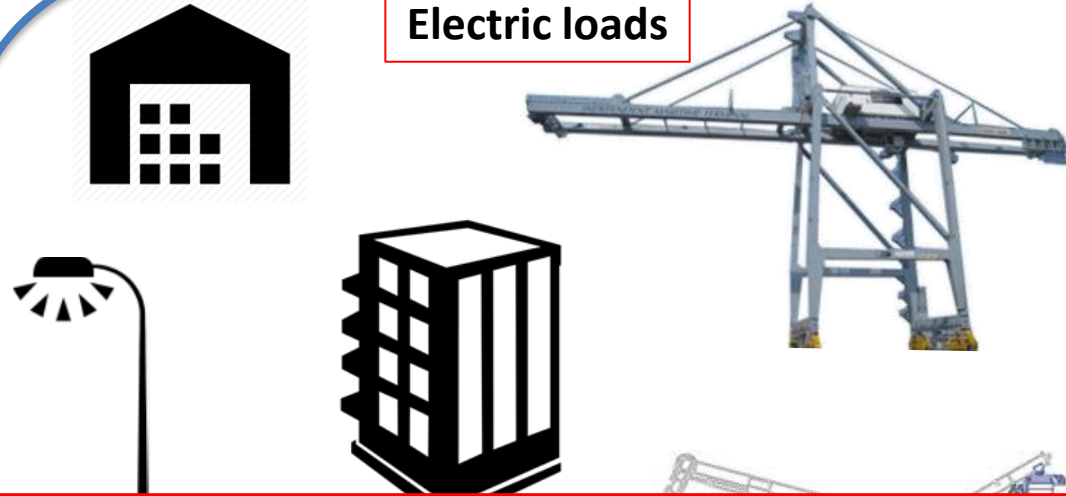
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Energy landscape in Jurong Port

Diesel loads



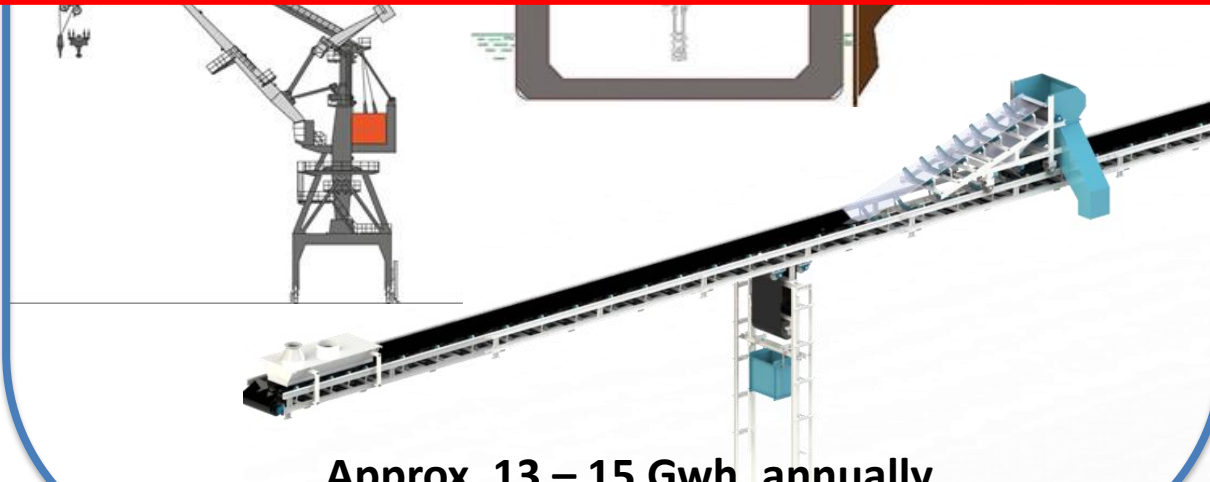
Electric loads



Diverse loads and equipment types.
Hence **no opportunities** for efficiencies by **standardization**.



Approx. 800,000 lit. annually.



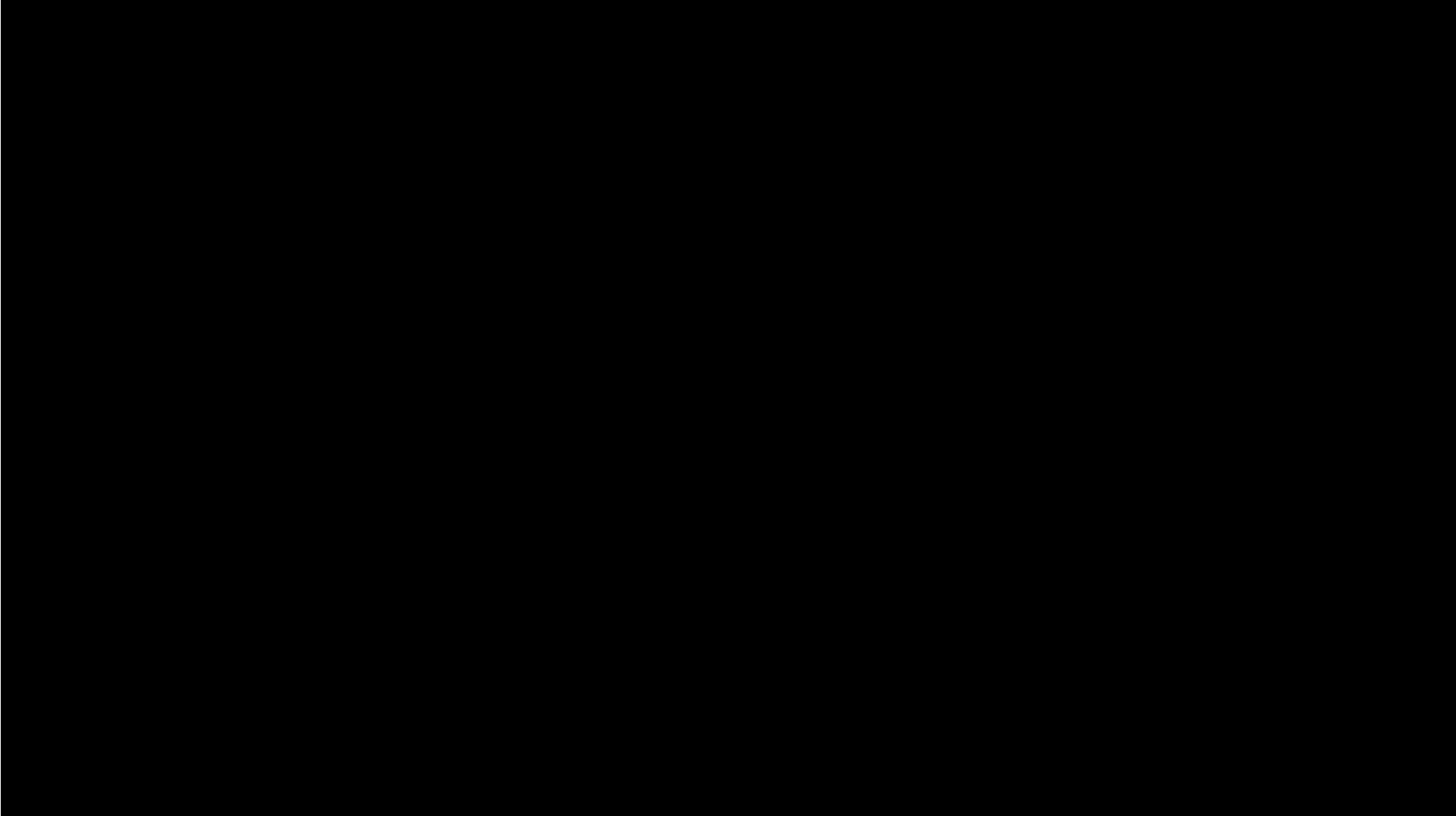
Approx. 13 – 15 Gwh. annually.
Estimated to go **beyond 20 Gwh. By 2030**

Innovation and Sustainability

- macro and micro.

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Port-centric Ecosystems approach for **supply chain sustainability**



THE BUSINESS TIMES

COMPANIES & MARKETS

ALL NEWS WEEKLY BREAKING TODAY'S PAPER LIFESTYLE OPINION GARAGE SME ASEAN WEALTH HUB

HOME COMPANIES & MARKETS

7 firms sign MOU to study hydrogen as green energy source for Singapore

MON, MAR 30, 2020 - 2:27 PM

RACHEL CHIA ✉ rchia@sph.com.sg 🐦 @RachelChiaBT

FIVE Singapore and two Japanese companies on Monday signed a memorandum of understanding (MOU) to develop ways to use hydrogen as a low-carbon energy source in the city-state.

The seven companies are: PSA Corporation, **Jurong Port**, City Gas, Sembcorp Industries, Singapore LNG Corporation, Chiyoda Corporation and its main shareholder, Mitsubishi Corporation.

BREAKING NEWS

11:03 PM Offer to delist SK Jewellery closes with 97.8% valid acceptances

11:00 PM Twitter CEO says blocking New York Post article without context was wrong



Powered by the Sun

The World's Largest Port-Based
Solar Panel Facility

9.65 MWh



Customized side loader

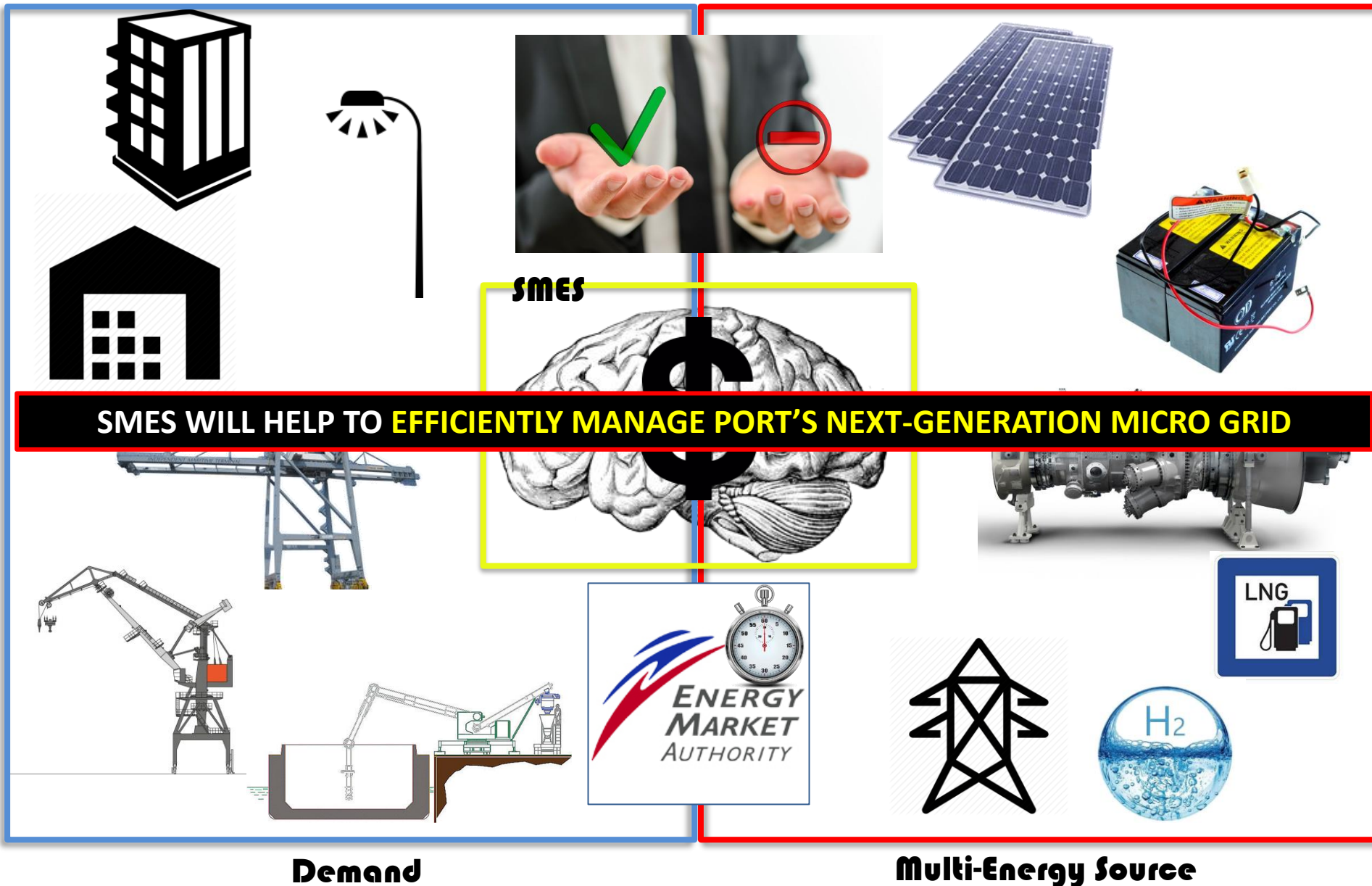


SMES
a Vector for sustainability



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SMES A KEY VECTOR FOR SUSTAINABILITY



Key benefits of SMES

- **Better understanding** of various energy sources and their performance.
- Making **data driven business decisions** for participation in energy market.
- **Gain technical competency** and **better management** of port's micro grid.
- Obtain greater **energy efficiency**, **reduce CO₂ emissions** and help JP become a **next generation**

Sustainable port!



Jurong Port

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ngmpp

ENERATION



Jurong Port





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THANK YOU !

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