



generated by this hybrid power supply system will stabilize the supply to the vessel's electrical power system. This will also minimize output fluctuations from the diesel power generator and secure a stable power supply.

Shipboard tests on *Auriga Leader* will continue with the aim of achieving a stable power supply under harsh marine conditions through the combination of solar power generation and the hybrid power supply system, and the effects will be verified. Based on the experiment results, NYK Line and MTI will aim to develop an even larger solar power generation system for vessels, while KHI will seek to commercialize the hybrid power supply system for vessels.

NYK Line, KHI, MTI, and ClassNK will continue to respond proactively to environmental issues through further innovations in technology.

\* The hybrid power supply system was selected as a subsidized project by the Ministry of Land, Infrastructure, Transport and Tourism (MLIT) under the "Support for Technology Development for Curtailing CO<sub>2</sub> from Marine Vessels" program.

' Particulars of *Auriga Leader*



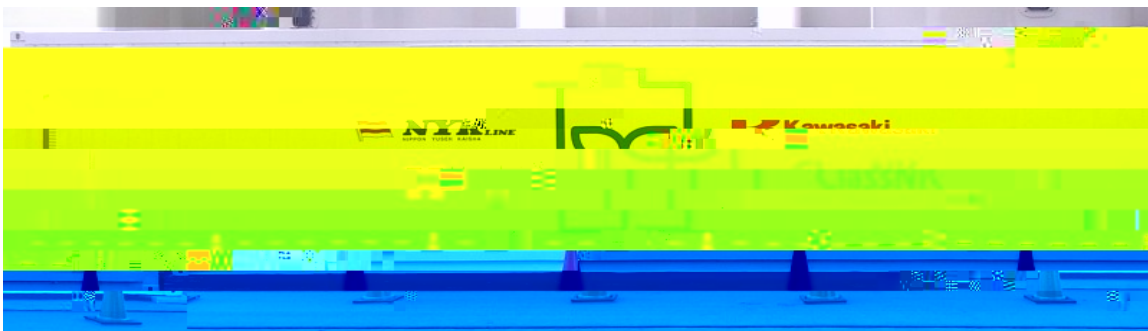
## System Image



## Prototype of hybrid power supply system



20-foot container in which 16 sets of Gigacell®, control panels and other devices are installed.



40-foot container in which inverters, transformers and other devices are installed.

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