

# THE VARIABLE SPEED SOLUTION



Pon Power is your supplier of quality products with modern technology, engineered to match your business. And a service operation to keep it running.



# **WHY THE VARIABLE SPEED GENERATOR SET SOLUTION?**

Pon Power AS has for several years developed the solution of Cat engines integrated with advanced electrical systems. Optimum vessel performance is secured by close cooperation during the system integration phase.

The results are pioneering - securing highly competitive vessels with reduced operating costs and an outstanding environmental performance.

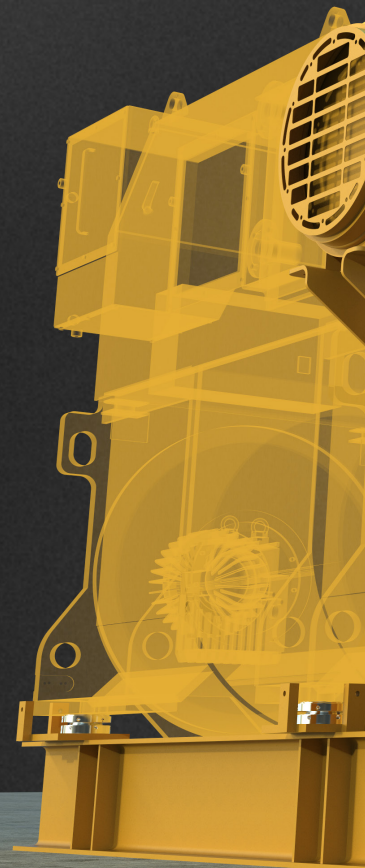
**-Up to 30% reduced fuel consumption.**

**-Reduced emissions.**

**-Reduced maintenance costs.**

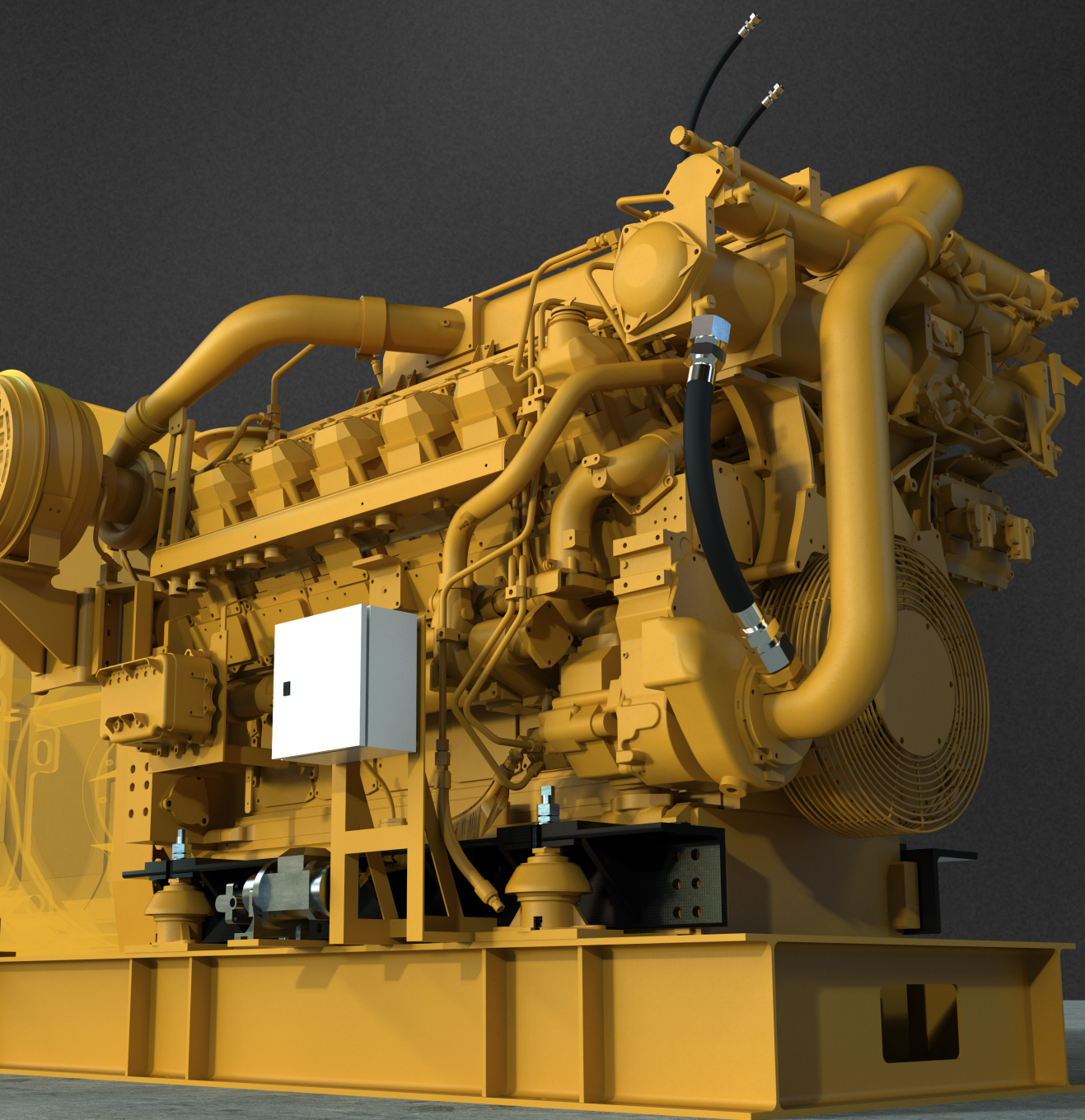
**-Reduced noise level, both air borne & structural.**

**-Improved performance of SCR if installed.**



Pon Power delivers tailor engineered engine solutions for the growing variable speed genset market. As the current market leader in this segment, we have a high level of knowledge in terms of understanding our customer needs and vessel demands for engine power and stability. Our sales and engineering team are ready to have a talk about how our solutions can be designed to fit your needs.



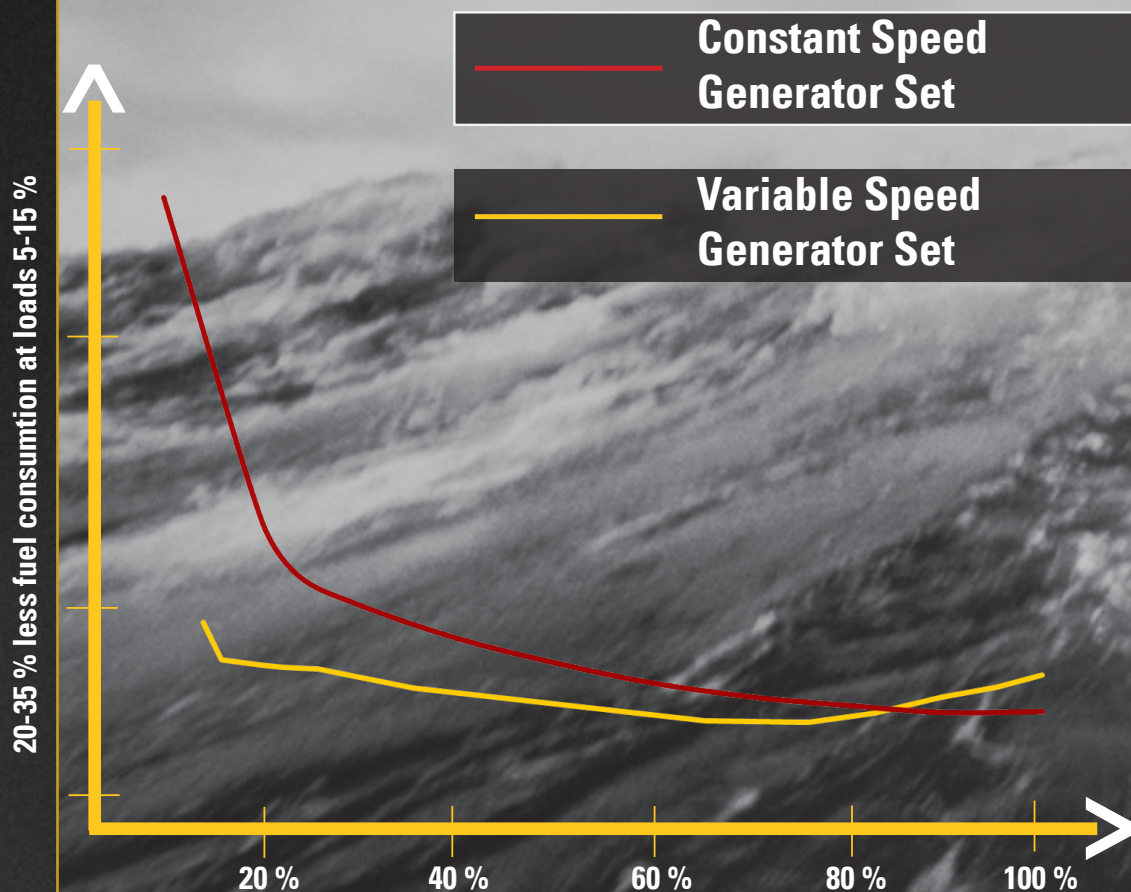


**GET THE FACTS**





# FUEL CONSUMPTION COMPARISON FOR VARIABLE SPEED AND CONSTANT SPEED GENERATOR SETS





«Our experience is that Pon Power actively involve themselves in the early design phase on our variable speed projects. This makes it possible for us to fit machinery to our design philosophy at an early stage, which again permits us to make good and realistic fuel consumption models for our complete ship models. Havyard Design and Solutions are in forefront of committing to fuel guarantees for the complete ship.

This work is very important for us as a designer, in order to make realistic assumptions for fuel consumption when handling a large variety of ship conditions and combinations. Pon Power has proven their dedication and reliability by presenting good figures up front and then proving them during sea trials. We highly value the commitment shown by Pon Power from the design start, and throughout the sea trials»

- Kristian Voksøy Steinsvik  
R&D Manager - Havyard Group

«Cost efficiency is the main topic within the wind energy industry these days. The variable speed engines from CAT in combination with the Siemens BlueDrive+C system have decreased the fuel consumption of our vessels significantly.

With Pon Power we have a partner who do not only deliver the engines to the yard in Norway, but are able to support our vessels in the Netherlands and Denmark due to their subsidiaries and large service network»

- Andres Chacon Fidalgo  
Technical Project Manager - Bernhard Schulte Offshore



*Esvagt Faraday, equipped with 4x 3516C Variable speed genset engines, 1771bkW, 900-1600rpm.*



*Windea La Cour equipped with 4x 3512C Variable speed genset engines, 1765bkW, 900-1800rpm.*

# CONTACT US FOR MORE INFO

Phone: +47 23 17 05 00 | 24h Service: (+47) 81 53 03 00 | Email: [power.no@pon-cat.com](mailto:power.no@pon-cat.com)



[www.pon-cat.com](http://www.pon-cat.com)



## NORWAY

Phone: +47 23 17 05 00

Fax: +47 23 17 05 01

24h Service: (+47) 81 53 03 00

[power.no@pon-cat.com](mailto:power.no@pon-cat.com)



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[www.pon-cat.com](http://www.pon-cat.com)

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### PRE-QUALIFIED BY:

