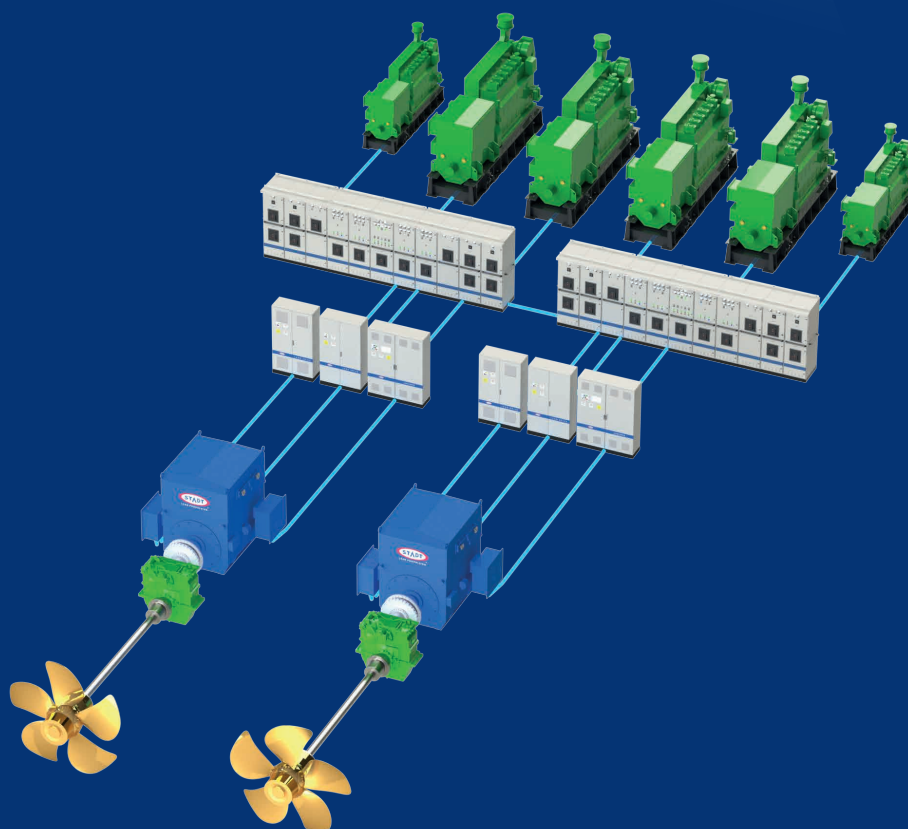




LEAN PROPULSION

STADT - LEAN PROPULSION<sup>®</sup>

**AC VariGrid™**

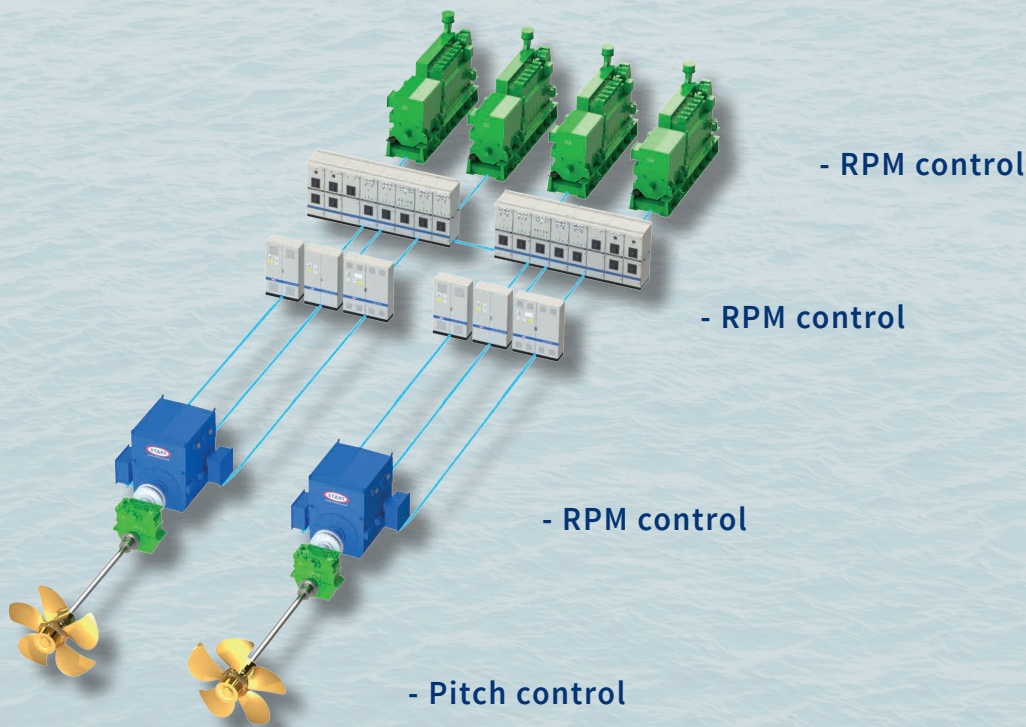


# STADT - LEAN PROPULSION<sup>®</sup>

## Full Power and Full RPM control

The STADT Lean Drive technology is available in many options. All of them controls the propeller power by regulating both the pitch and the RPM of the propeller.

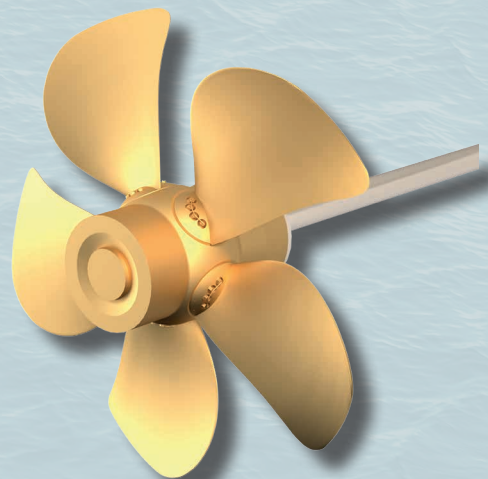
How the control of the RPM is done, varies from project to project. STADT have Lean Drive solutions where the RPM is only partially controlled, and other solutions where the full range of both RPM/PITCH/POWER goes 0-100 %.



**PATENTED**  
by STADT

## PITCH

The controllable pitch is the primary control while RPM control is implemented to optimize the propeller efficiency in all conditions.



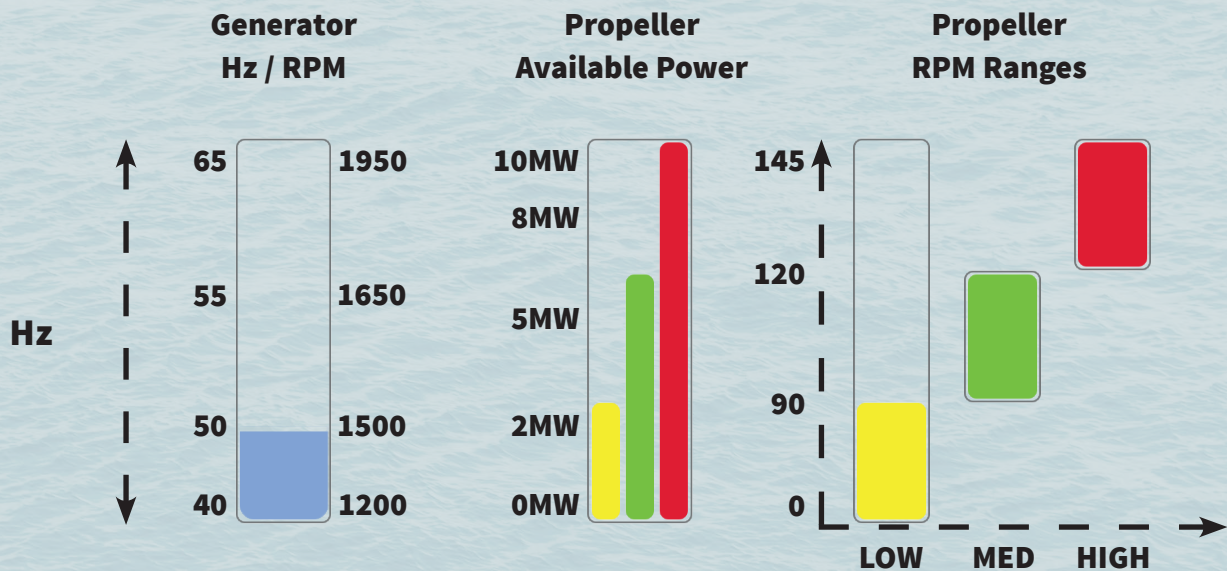


# STADT AC VariGrid™

## Variable Speed Generator

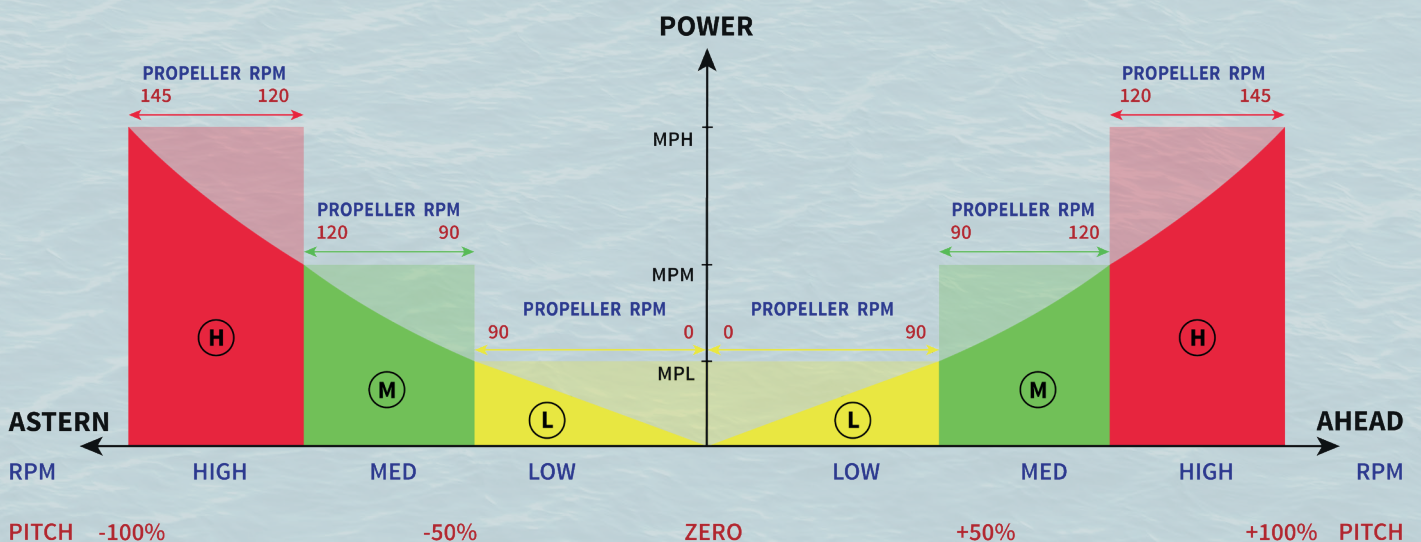
- ⚠ The LNG / Diesel Generators of CAT or MaK make, can operate on variable RPM.
- ⚠ AC Grid will as a result be of variable frequency :
  - 50 to 60 Hz or 45 to 65 Hz or 40 to 60 Hz range
- ⚠ The variable frequency on grid will have a direct impact on the propeller RPM when using STADT Lean Propulsion®.

### STADT AC VariGrid™ - LEAN Drive Modes:



## BENEFITS

- ⚠ Lower Fuel Consumption
- ⚠ Less Emission
- ⚠ Lower Noise Level
- ⚠ Less Luboil Consumption
- ⚠ Less Wear and Tear on Gensets
- ⚠ Higher propulsion efficiency







LEAN PROPULSION



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