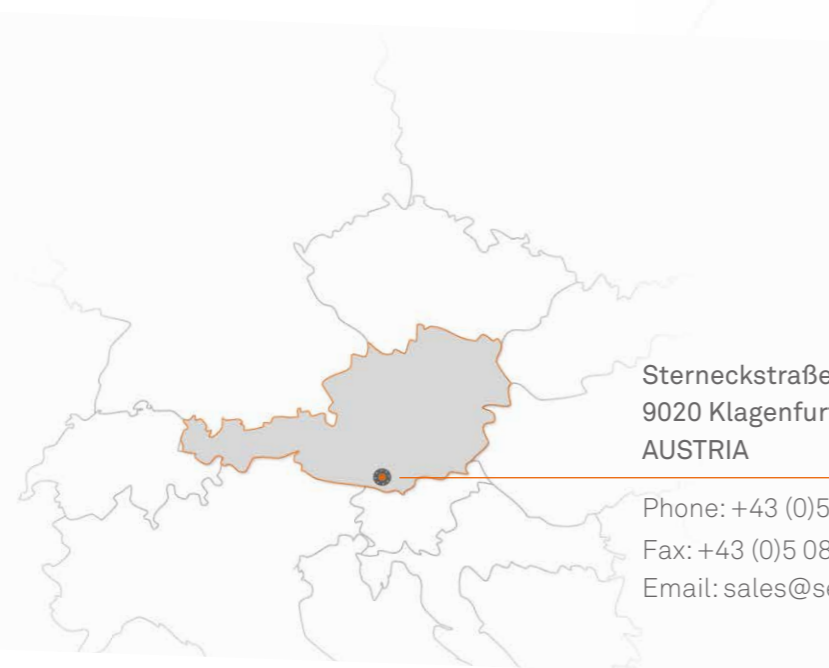


SET^o is a technology company
dedicated to variable-speed,
high voltage drive systems.

Based on innovative engineering methods and some
30 years of expertise, SET develops and manufactures
electro-mechanical differential drives.

Visit our Homepage for detailed information:

www.set-solutions.net



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DSgen-set[®]



The Highest Efficiency and
Power Quality with SET's
**ELECTRO-MECHANICAL
DIFFERENTIAL SYSTEM**

DSgen-set®



Electro-Mechanical Differential System

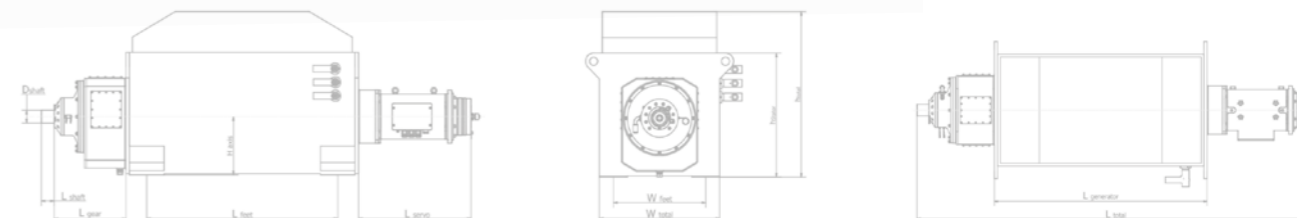
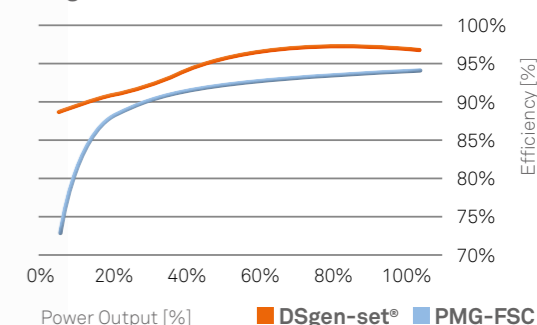
A planetary gear stage, controlled by a servo drive, compensates the speed variation of the WEC's rotor and guarantees a constant speed for the Synchronous Generator.

Utilizing a high voltage generator directly connected to the grid reduces dramatically weight and space for the nacelle.



2MW DSgen-set® prototype on the SET test bench in Klagenfurt

Efficiency Comparison: DSgen-set® vs. PMG-FSC



Your benefit:

Highest total system efficiency and reliability

Highest annual energy production

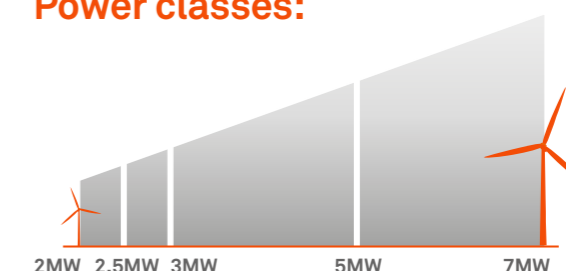
Reduction of space and weight

Service-friendly and solid design

= Lowest life cycle costs (LCCs)

Synchronous Generator meets all grid codes

Power classes:



SERVO

SYNCHRONOUS GENERATOR

DIFFERENTIAL GEAR

SYNCHRONOUS GENERATOR SPEED

OUTPUT POWER
HIGH VOLTAGE

VARIABLE INPUT

INPUT POWER
MECHANICAL

DSgen-set®



With the QR code a video is linked regarding the functionality of the DSgen-set

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