



## RE 15-1

- ⊙ Joint development of the Aixro GmbH and the ENGIRO GmbH
- ⊙ Very compact by the combination of a Wankel-rotary engine (most compact combustion engine) with a permanent excited synchronous machine (most compact electrical machine)

## Data Range Extender

- ⊙ Power: 15 kW electrical  
(voltages between 48 -570 V selectable)
- ⊙ Rotational speed: 5000 rpm
- ⊙ Weight: about 27 kg without auxiliary unit and 32 kg with auxiliary unit respectively
- ⊙ External dimensions without auxiliary unit:  
width = 240 mm  
length = 320 mm  
height = 240 mm
- ⊙ Combustion engine: 4-stroke engine, 1-disc rotary engine (Wankel engine) of the Aixro company
- ⊙ Generator: permanent excited synchronous engine of the ENGIRO company

## Specific characteristics

- ⊙ Bidirectional operation with an integrated coupling system inside the electrical machine. Electrical machine operates as starting motor, as generator or as pure electric drive mechanism for possible auxiliary units
- ⊙ Very compact design by shared cooling circuit. External Range Extender dimensions (without auxiliary unit) are in the range of a A4 sized letter (210 mm x 297 mm)

pictures: design layout for the paragon AG