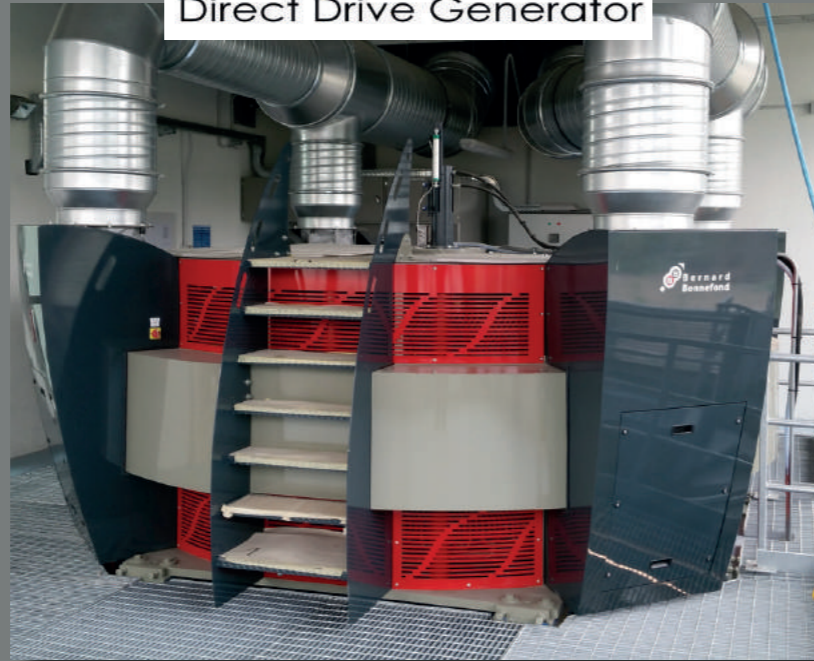


Alternateur pôles bobinés

Wounded poles generator

CLASSIC

Direct Drive Generator

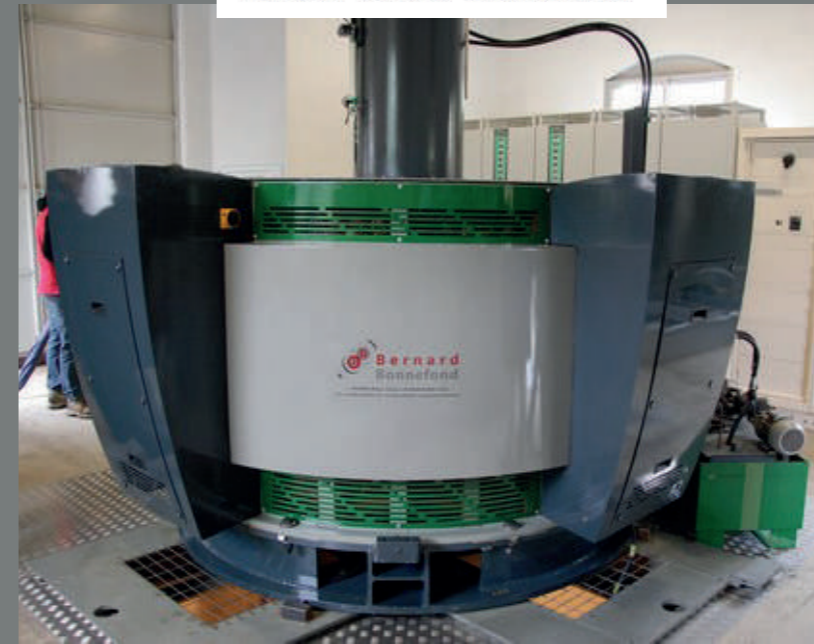


Alternateur aimants permanents

Permanent magnets generator

COMPACT

Direct Drive Generator



Avantages techniques

- Excitation statique
- Brushless
- Régulation $\cos\phi$
- Fiabilité

Avantages techniques

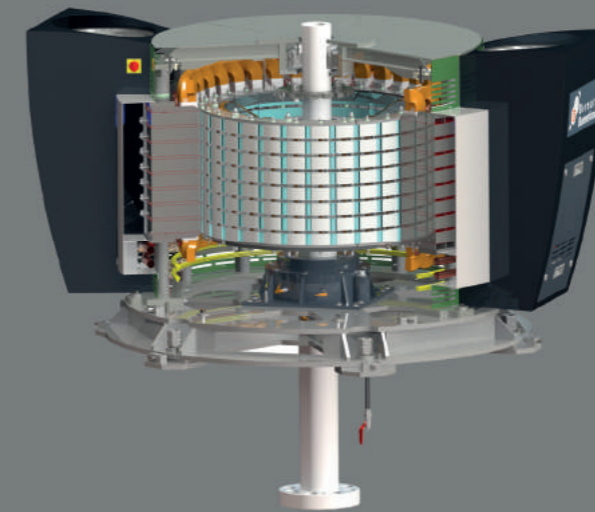
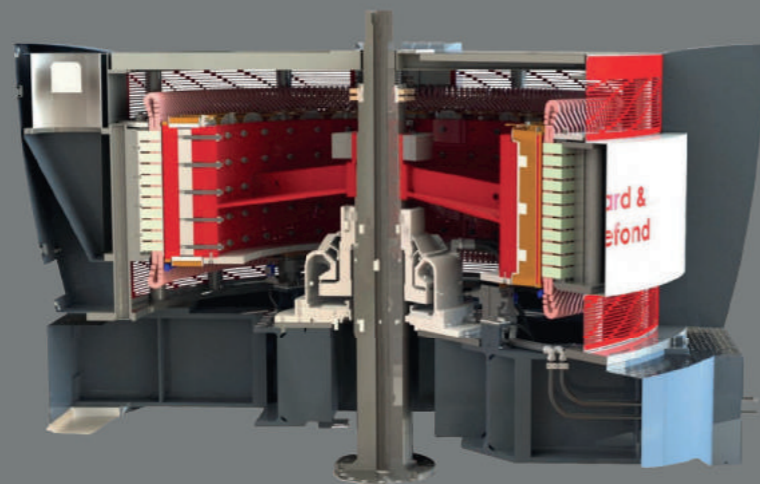
- Rendement élevé
- Couplage direct au réseau
- Encombrement réduit
- Exploitation simplifiée
- Vitesse variable possible avec variateur de fréquence

Technical performances

- Static excitation
- Brushless
- $\cos\phi$ regulation
- Reliability

Technical performances

- High efficiency
- Direct network synchronized connection
- Reduced size
- Simplified operation
- Possible variable speed with frequency drive

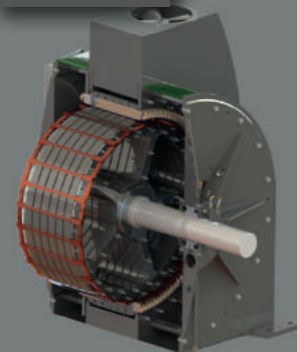


Montages/Mountings

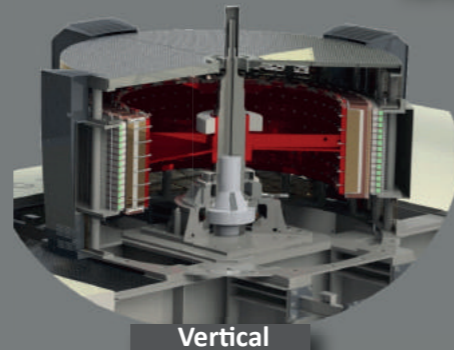
Options possibles : Frein
Palier lisse, ...

Possible options : Brakes,
Sleeve bearing, ...

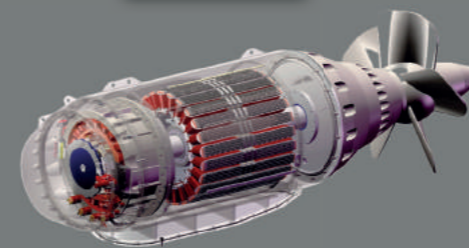
Horizontal



Vertical



Bulbe/Bulb



Incliné/Inclined





Hydraulique
HPP



Eolien
Wind turbine



Hydrolien
Tidal turbine



Motor
Engine

Rénovation / réparation

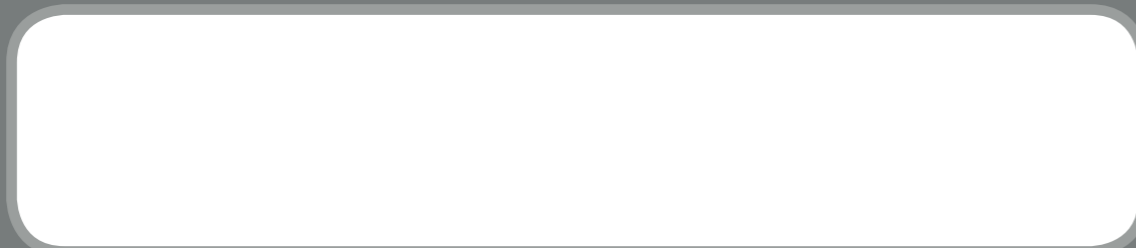
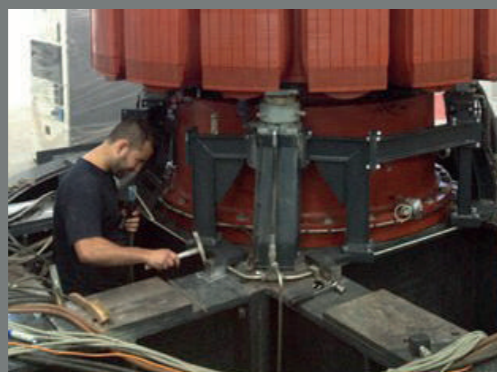
Revamping / repair



Avant

Après

EDF Valbeneyte (FR-19)
Pôles bobinés / wounded poles
9000 kVA – 5000 V - 500 rpm



ROTATING MACHINES

BASSE VITESSE
DIRECT DRIVE
200 KVA – 20 MVA / 50 – 500 tr/mn



LOW SPEED
DIRECT DRIVE
200 KVA – 20 MVA / 50 – 500 rpm

Références

Reference list

- EDF / VAL BENEYTE
- SHEM / CAPDENAC
- ENERGIA ITALIA
- SCOTTA
- KOSSLER
- TURBO INSTITUT
- HYDROWATT
- CMN
- ER3I
- GUINARD ENERGIES
- AYMES
- BARRAGE DE SARNY
- PRAT DE BONREPAUX
- BORIE
- CHABALIER
- COEXHYE
- DAMANGANGA
- DOGANA
- DONNAS
- DORA
- ECODOR
- ELECTRICITE D'ELOYES
- EURVILLE
- FERNANDEZ
- FMC
- FORGES VIEILLES
- GOCKMEN
- GUNESLI
- HYDRO LES VIGNES
- MAC DOUGALL
- MCP PENCHOT
- MJ2
- MOLENAT
- MOULIN DE BRELAND
- MOULIN DES GALETS
- ONDULIA
- SANIAL
- SARRAT
- SASSO/PALOSCO
- SEE CHARMES
- SEGG
- SHIS PARDIES
- SITHE/MERICOURT
- SM1
- SNC GIROUX
- SNC MOULIN HOPITAL
- SNC PRADEL
- SNC SOSHARY - PENOT
- SOPRODIM
- SOREXE
- STRACCIS
- TEDELEC

