

References

Hitzinger alternators are in use all over the world:

- **Low voltage hydro power alternators**
- **Synchronous alternators in high sea shipping and inland navigation**
- **And in high speed trains**

References Railway:

DH 4-1

This luxurious passenger train was built by Siemens and runs between Tehran and Mashad in Iran.

The modular concept allows the combination of different passenger coach types to complete trains with 3 to 6 coaches.

Each coach is equipped with a Hitzinger AC alternator each alternator driven by a hydrostatic motor with a nominal power of 75 kVA to supply each coach individually.

The alternators are mounted under frame nearby the bogie on the chassis, crosswise (regarding the direction of the shaft) to the direction, mounted on four vibration absorbers.

[>> More Information as PDF](#)

RH 2016 'Hercules'

The new developed, series 2016 diesel-electrical locomotion of ÖBB codename

'Hercules' is used both for fast- and for freight trains. The core of the main engine is a genset consisting of a Hitzinger alternator directly mounted to a mtu diesel engine. Both devices are coupled by means of a high elastic membrane clutch. The alternator was designed especially for this purpose, in close cooperation with the manufacturer of the diesel motor (mtu), where most modern calculation models were used and new ideas have been realized. So by a special air-flow concept it was possible, apart from the ventilation of the sole alternator the whole electronic room of the locomotion could be ventilated too.

The more than successful passing of shock and vibration tests confirmed the results of the theoretical pre-works during the periodical project meetings, which have been passed through - with the credo of the quality assurance and enhancement - with a very innovative result.

[>> Download 'Hercules' folder](#)

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References Hydro Power:



EW Bleibach

- **SGA6C12T** (115kVA,500 rpm)
- **SGA9B16T** (300kVA,375 rpm)

EW Lüsen



- SGT9D06T (1400kVA, 1000 rpm)

EW Litz



- 3 x SGS1D06T (2790kVA, 1000 rpm)

References Marine:



K06844: Project in South Africa
Nominal power 650 kVA, Speed 1800 rpm

- nom. Voltage 450 V, with flywheel on NDE side for a higher moment of inertia
- shock resistant

K08370 Projekt LCS - Littoral Combat Ship
Nominal Power 1000 kVA, speed 1800 rpm

