

The German Power Grid 2018

spans 4.78 times the distance from the Earth to the Moon.
Or 45.8 times around the Equator ...

Electric circuit distances in Germany in km

> Low voltage [0,4 Kilovolt] **1.190.000**

> Base voltage [6 bis ≤ 60 Kilovolt] **520.000**

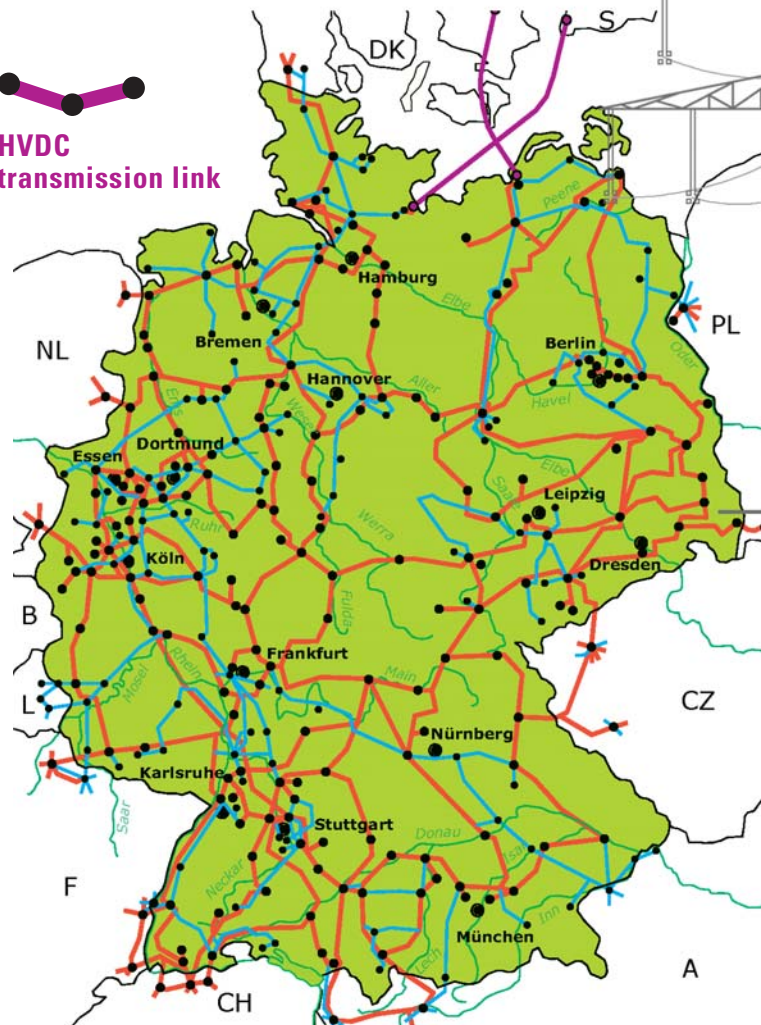
> High voltage [> 60 bis < 220 Kilovolt] **86.100**

> Extreme voltage [220 und 380 Kilovolt] **36.700**

total: **1.837.495***



HVDC transmission link



Numbers of substations/transformers¹

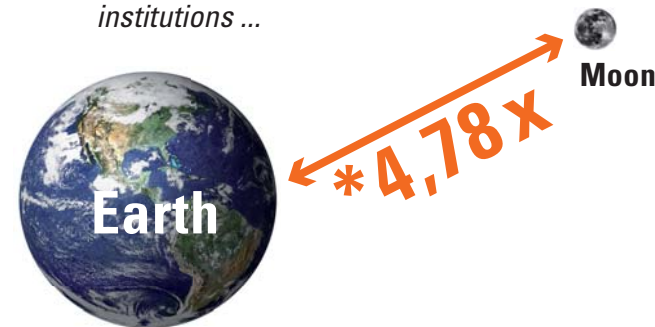
> Base voltage [6 bis ≤ 60 Kilovolt] **557.700**

> High voltage [> 60 bis < 220 Kilovolt] **7.500**

> Extreme voltage [220 und 380 Kilovolt] **1.100**

total: **566.300**

¹ Figures from 2006.
We could not get any updates from the responsible German institutions ...



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