

# Siemens Energy (in 2010): How to Engineer a Green Future?

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**Siemens History**

Werner von Siemens and Johann Georg Halske establish the Telegraphen-Bauanstalt von Siemens & Halske to manufacture pointer telegraph in 1847.

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The company begins operation on October 12, 1847, in a back building in Berlin.

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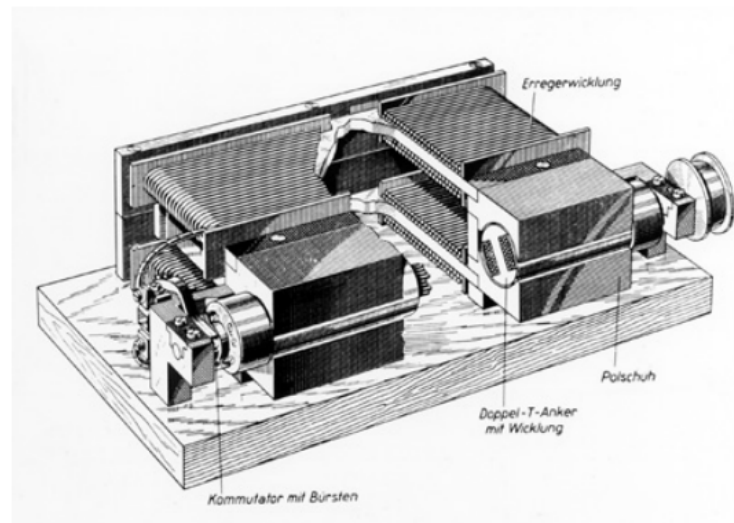
In 1848, Siemens & Halske wins the contract to build the first long-distance telegraph line in Europe. The 500-km route extends from Berlin to Frankfurt.

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In 1866, Werner von Siemens discovers the dynamo-electric principle and thereby lays the basis for the use of heavy-current technology.

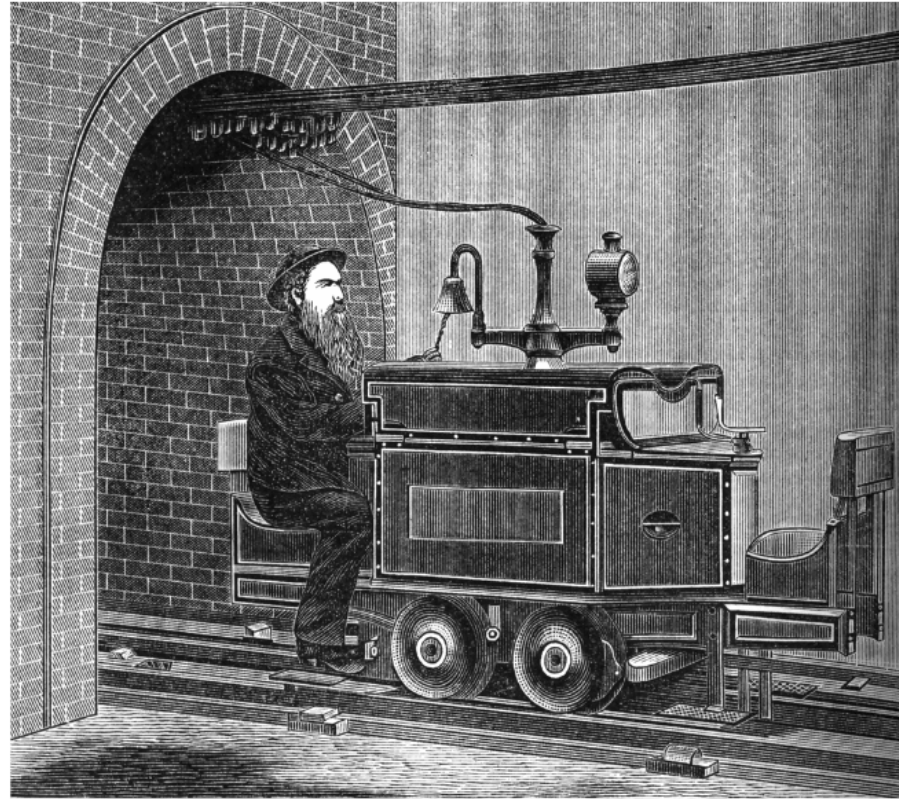
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At the Berlin Industrial Exposition in 1879, Siemens & Halske presents the world's first electrical railway with an external power supply.

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