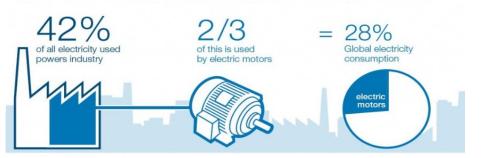
Energy Efficiency: Saving Money and Increasing Production.

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Energy Efficiency refers to using less energy to provide the same service.



Siemens motors guarantee energy efficiency.

Siemens **Synchronous Reluctance** motors deliver high power density at low cost, the rotor operates at synchronous speeds so losses are minimal in comparison to an induction motor.

The comparison of energy efficiency can be made using Siemens' **SinaSave tool** with its ability to output energy and cost saving potential.

Using SinaSave reference system (a standard SIMOTICS motor) is compared to an alternative system (a SIMOTICS GP VSD400-line synchronous reluctance motor). A significantly lower **Power demand** can be seen for the alternative system, alongside **Energy savings** of 24.4 M wh/a and significant **cost savings**.

Siemens Smart Motors





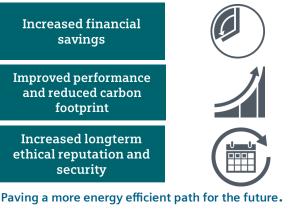
Siemens Low Voltage motors go digital, they are now equipped with the Smart motor concept.

• A Smart Box with integrated sensors, Wi-Fi communication module, and power supply mounted on the motor.

This can be connected to **Mindsphere:** which allows cheap connection to the cloud and all its benefits, including analysis of the status data of the motor and predictive maintenance.

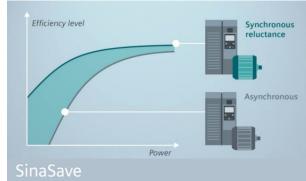
MindApp is used to visualise all data from the user.

This will support:

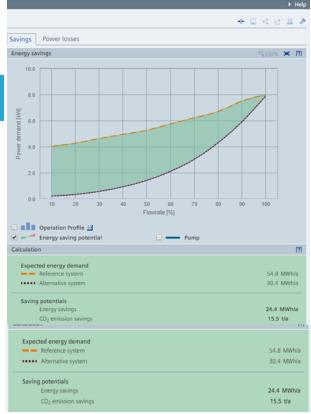


SIEMENS

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For more information:

Siemens.co.uk/reluctance-drive-system