

Upgrade your brownfield assets through electrification

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Transform your brownfield assets

In the face of global environmental challenges and the relentless quest for efficiency, natural gas facilities worldwide are re-evaluating their operational and environmental footprints. Transform your brownfield assets by upgrading your compressors and legacy drive systems to help achieve reduced emissions and lowered costs of your operational assets.

End to end solutions boost your efficiency output

At Siemens Energy, we offer the total solution to upgrade your assets. For compressor stations that rely on older gas turbine mechanical drives (and where a grid connection is available), converting to an electric motor drive (e-drive) offers several advantages, including lower operational expenditures (OPEX), increased operating flexibility and a reduced carbon footprint.

Modifications can be made to the compressor to accommodate new flow conditions, including installation of a new rotor and aerodynamic stationaries that feature modern, high efficiency flow paths. In some instances, the original casing, head, bearing housing and seal system components can be reused to minimize the impact of the piping layout.

Embrace the power of electric motors

Transition to electric motors and witness transformation in efficiency and cost-effectiveness. With an astonishing efficiency of up to 96%, electric motors outperform gas turbines significantly. In addition, switching to electric motors will lower your operating expenses and maintenance costs.



Harness renewable energy

Incorporating renewables like solar or wind into your operations is no longer a distant dream. By switching to power generated by solar or wind, you can take a giant leap towards achieving lower emissions. The future is green, and with our solutions, your facility can lead the way in sustainable operations.

Expertise at every step

From techno-economic studies to the comprehensive execution of brownfield upgrades, our team is equipped with the expertise to bring modern electrical systems and technologies into the heart of your operations. Whether it's retrofitting compressors, installing new piping, integrating e-drives, or replacing gas or steam turbines with electric motors, we have the expertise and experience you need to upgrade your assets.



Rely on decades of compression experience and the depth of our knowledge when your goal is to upgrade outdated brownfield equipment, decarbonize your assets, or to improve the efficiency of your compressor

The journey to enhanced efficiency, reduced emissions, and lower operational costs begins with a single step. Let us guide you through the transition to a more sustainable, flexible, and cost-effective future.

Benefits

- Maximize your efficiency and lower your emissions by revamping your compressor or by replacing your gas or steam turbine with an electric motor
- Lower your operating costs with an upgraded compressor, reduce your maintenance requirements, costs and outage time
- Experienced compressor experts who support you with your current needs and can also address future upgrades and improvements

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