



Energy management

Energy efficiency is an important success factor for Linde. As such, one of our key challenges lies in finding ways to reduce energy consumption and the associated emissions of greenhouse gases. We differentiate ourselves from the competition with products that help to make fossil fuels more environmentally friendly and drive the advance of renewable energy sources.

Improving energy efficiency

The manufacture of industrial gases is an energy-intensive activity: electricity accounts for over half of the associated costs. As our air separation units account for around 85 percent of our electricity consumption, we are focussing our efforts on improving energy efficiency and productivity in these units. We are continually investigating ways to make our air separation units more efficient with a view to conserving resources and preventing indirect greenhouse gas emissions. To measure our performance, we have set ourselves a global goal for these production processes.

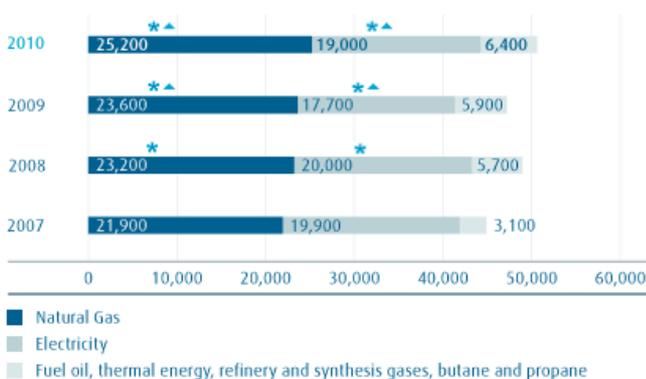
Energy management at Linde combines climate protection with effective use of resources. We conduct internal audits to check the energy efficiency of our plants and processes across the globe and verify that resources are used as efficiently as possible. The potential energy savings discovered during the audits are then realised where possible. In 2010, we identified over 280 projects worldwide which will enable us to reduce our energy consumption and CO₂ emissions. Projected savings correspond to 290,000 MWh and 114,000 tonnes of CO₂ equivalent.

Energy consumption

During 2010, our total energy consumption amounted to over 50 terawatt hours (2009: 47 TWh). The reason for this higher figure was an increase in production compared with the previous year

Energy consumption (in GWh)

The Linde Group



* Within KPMG assurance scope. The assurance report for the reporting year 2010 is available here.

▲ Figure included in the Group Management Report of the Annual Report 2010 of The Linde Group.

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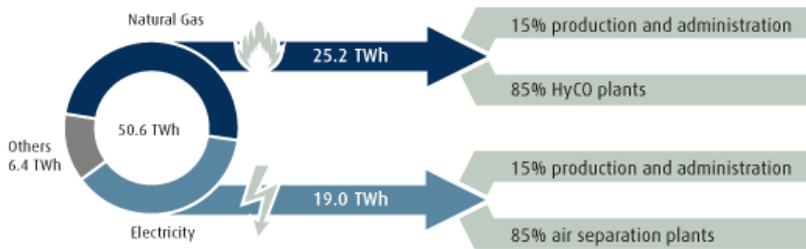


The exact definition can be found in our Corporate Responsibility Accounting brochure.

Electricity and natural gas together account for about 85 percent of the energy carriers we use. We primarily use them to operate our air separation and HyCO plants. Over 85 percent of the electricity we consume is being used in air separation plants, while around 85 percent of our natural gas consumption is attributable to our HyCO plants.

Energy balance 2010

The Linde Group



> More on our global energy efficiency and climate protection target, on products and services for resource efficiency and renewable energies as well as on consumption of resources

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