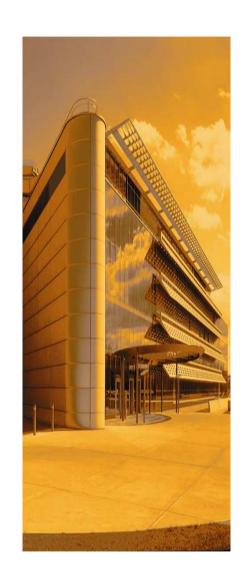


Gas strategies in the age of globalization

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Gas Sales/Technical affairs

Amsterdam, June 7 2006





Challenging times



- German Energy Industry Act in force
- Negotiations with Bundeskartellamt (Federal Cartel Office) on long-term contracts failed
- High price level on international energy markets
- Public debate about dependence on imports and security of supply
- Aggressive energy price discussion in Germany
- Negligible growth in German gas consumption

Energy Industry Act – The challenge Viewpoint of the German gas industry



- Unclear legislative framework with innumerable paragraphs and legal orders
- Introduction of an untested network access model with extensive cooperation requirements
- Extra costs for restructuring, particularly as a result of unbundling and increased information and reporting requirements
- Entrepreneurial uncertainty; ex-ante control at least six months prior to price adjustments

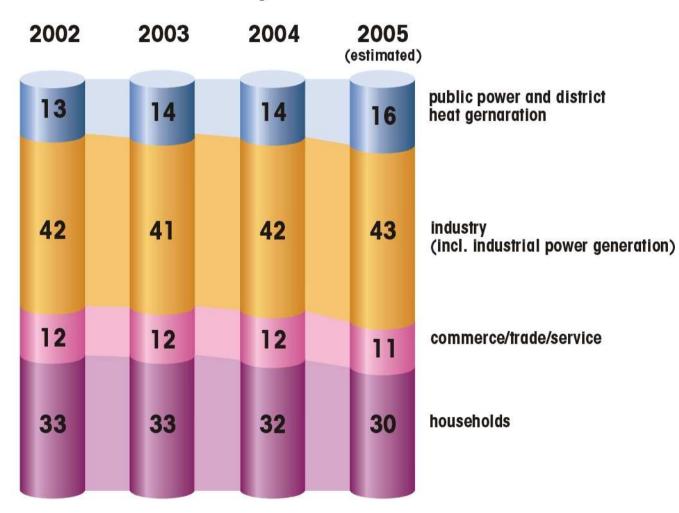


Structure of natural gas consumption in Germany



%

Germany

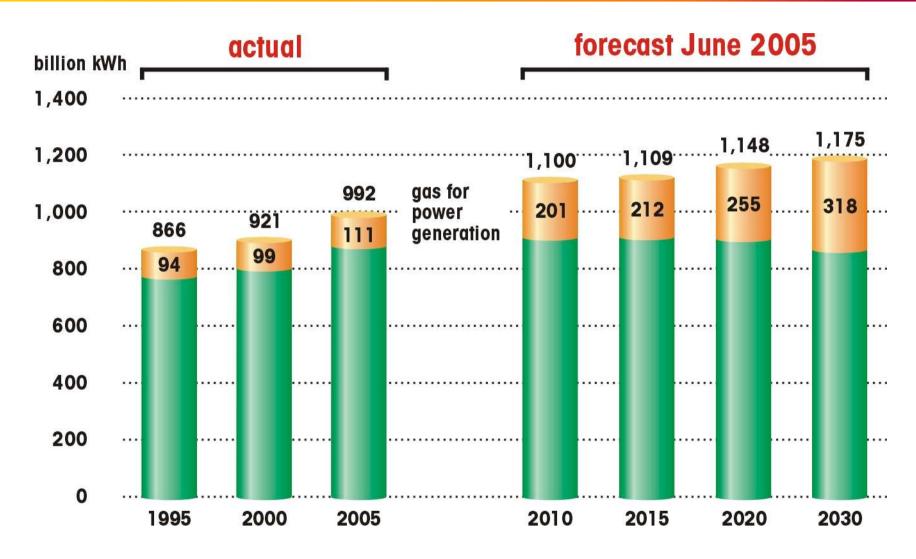


Source: Federal Statistical office



Forecast German natural gas consumption





Source: EWI/Prognos, June 2005



German natural gas market **Challenges**



Current developments:

- Saturated demand for heat generation
- Tangible impact of price developments on consumer behaviour (individual saving measures)
- Noticeable decline in specific consumption
- Competitiveness of alternative energies (heat pumps; wood pellets)
- Uncertain developments in power generation sector (exiting nuclear power; alternative energies)



Changing gas market in Germany

Strategies for keeping customers:

- Leap in quality of activities to retain existing customers
- Significant improvement in communications (e.g. transparency with regard to changes in prices)
- Uncomplicated switch to different supplier possible
- New products coupled with alternative energies (e.g. gas space heating plus solar system; participation in biogas production projects)



The natural gas market has become a seller's market.

One-side dependence can entail supply bottlenecks or interruptions (e.g. Russia - Ukraine dispute)

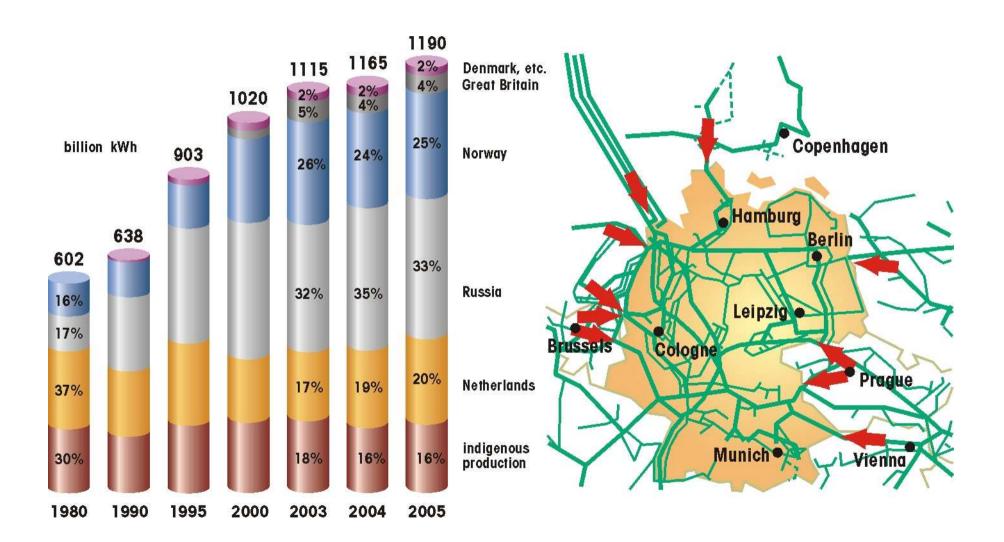
Possible solutions for countries lacking in raw materials:

- Diversification of energy imports (sources and routes)
- > Long-term supply agreements
- > Cooperation based on partnerships



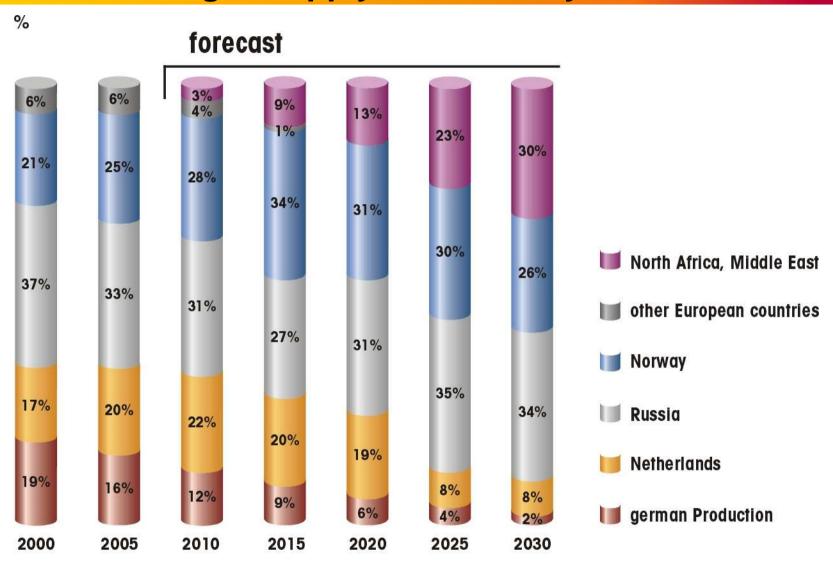
German gas supplies High dependence on imports







Sources of gas supply for Germany



Source: Global Insight 2005

Main challenge: Securing the supply base



- Expansion of supply base
 - new supply agreements with producers
 - participations in natural gas production
 - LNG
- Long-term contracts are prerequisite for:
 - Securing volumes required
 - Securing competetive prices as contribution to competitive economy
- Manage risks generated by regulation of contract duration