The 17 Sustainable Development Goals of the United Nations
SDG 7 Energy Access - Gas based power production

350 MW

approx. 3,5 million KWH

A family:
4000 KWH (basic needs)

850 000 families / 3,5 million people

Gas volume required: 500 million Sm3/year
Not only less GHG emissions lower than coal when producing electricity:

- $\text{CO}_2$: 50%
- $\text{SO}_x$: 99% - acid rain
- $\text{NO}_x$: 80% - air quality
- $\text{Particles/soot}$: 99.99% - air quality
- Hg (Mercury): 100%

Cost of pollution paid by the public:

- Premature deaths & diseases
SDG 13 Climate Change mitigation - gas enabling renewable energy

Society needs energy 24 hours / 7 days

<table>
<thead>
<tr>
<th>Resource</th>
<th>Capacity utilisation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas</td>
<td>90-100%</td>
</tr>
<tr>
<td>Wind</td>
<td>30-40%</td>
</tr>
<tr>
<td>Solar</td>
<td>10-25%</td>
</tr>
<tr>
<td>Hydro</td>
<td>Drought</td>
</tr>
</tbody>
</table>

Natural gas easy to turn on and off
Providing jobs and creating value
Build on existing infrastructure
Gas industry contributes to public finances

Adaptability of gas technology:

Gas-fired generation technology directions:
- CCS through retrofit technology
- Inclusion of carbon-neutral biogas (negative emissions)

Gas pipelines and storage systems provide options for
- CO₂, Biogas, Hydrogen

Gas: The no regret fuel option!