

# Being part of vgbe energy

## Being part of a strong network for power generation

**VGB PowerTech e.V.** is the technical association of energy plant operators. Since its foundation in 1920, VGB has become the technical centre of competence for the operators. The membership is open for companies and institutions active in the whole power business.

### Our mission

- | Support our members in their operational business.
- | Support our members in strategic challenges.
- | Be a key contact for international energy stakeholders.

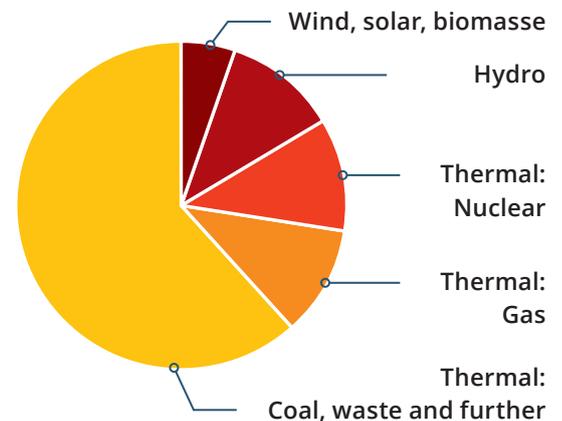
### Our objectives

- | Keep operational and plant safety at a high standard.
- | Ensure high availability and reliability of power plants.
- | Ensure environmental compatibility of power plants.
- | Secure occupational health and safety.
- | Ensure cost-effective power plant operation.

**We have 437 members in 33 countries.**



**We** represent an installed capacity of 302 gigawatt based on a wide energy mix and covering all sources of electricity production.



## Exchanging knowledge – Generating technical solutions



# Some benefits of the vgbe-membership

We do:	Your benefit:	We provide:
<ul style="list-style-type: none"> <li>Provide an international platform for the exchange and transfer of technical know-how for power and heat generation in accordance to compliance rules and anti-trust rules.</li> </ul>	<ul style="list-style-type: none"> <li>Exchange and transfer of technical experience and know-how for the complete life cycle of power and heat generation: design, engineering, licensing, construction, operation, maintenance, health &amp; safety, quality management, environmental compatibility and dismantling &amp; decommissioning.</li> <li>Access to 'fuel to grid' know-how via committees and panels, databases, information pools.</li> <li>"VGB POWERTECH" – VGB's renowned technical journal, and events covering all generation technologies.</li> </ul>	<ul style="list-style-type: none"> <li>70 VGB Committees with 1,700 active experts.</li> <li>Conferences, workshops, webinars and meetings with more than 3,200 participants and about 350 exhibitors.</li> <li>Networking via the VGB web platform «eNet».</li> </ul>
<ul style="list-style-type: none"> <li>Act as a gatekeeper and provider of technical know-how for members and relevant partner associations.</li> </ul>	<ul style="list-style-type: none"> <li>Harmonisation of technical positions and support of international and national partner associations (e. g. EURELECTRIC, BDEW, WANO) within the EU and in relation to national legislation procedures.</li> <li>Harmonisation of technical positions through direct contact to ENTSO-E, VDMA and suppliers.</li> </ul>	<ul style="list-style-type: none"> <li>Position papers, e. g.:               <ul style="list-style-type: none"> <li>Advantages and Limitation of Biomass Co-combustion in Fossil-fired Power Plants.</li> <li>Improving the Relationship Between Manufacturers and Owners of Wind Turbines.</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>Generate technical and operational standardisation in close cooperation between operators and suppliers.</li> </ul>	<ul style="list-style-type: none"> <li>Efficient execution of projects and improved plant operation, higher plant availability and cost savings.</li> <li>Digitisation in power and heat generation.</li> </ul>	<ul style="list-style-type: none"> <li>Industry guidelines and standards: More than 350 VGB-Standards, more than 100 in English.</li> <li>Power plant designation systems KKS and RDS-PP® as well as guidelines for Technical Documentation.</li> </ul>
<ul style="list-style-type: none"> <li>Identify, raise and manage international funding and organisation of joint R&amp;D activities.</li> </ul>	<ul style="list-style-type: none"> <li>Cost savings, build-up and sharing of know-how.</li> <li>International collaboration to improve access to public funds.</li> </ul>	<ul style="list-style-type: none"> <li>Recent projects, e. g.:               <ul style="list-style-type: none"> <li>Innovative and Ecological Approach for Dam Restoration for Implementation of the Water Framework Directive.</li> <li>New Materials for Steam Turbines.</li> <li>Hybrid High Solar Share Gas Turbine.</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>Guarantee access to a pool of expert knowledge.</li> </ul>	<ul style="list-style-type: none"> <li>Direct access to a network of independent experts by personal contacts, by databases or by online reporting systems (e. g. benchmarks, damage analysis, expert assessment, mediation and arbitration, provision of expert reports for the management).</li> </ul>	<ul style="list-style-type: none"> <li>KISSY data-base (Power Plant Information System, KraftwerksInformationSSystem) to benchmark power plants.</li> <li>Database on transformer damages.</li> <li>WiPPeX (Wind Power Performance Data Exchange).</li> </ul>
<ul style="list-style-type: none"> <li>Offer technical services, engineering consulting and construction supervision.</li> </ul>	<ul style="list-style-type: none"> <li>Independent and high quality assessment of the plants as part of the VGB expert network.</li> <li>Preferred access to our «Technical Services»: Materials Laboratory, Water Chemistry, Oil Laboratory as well as Quality Assurance and Supervision.</li> </ul>	<ul style="list-style-type: none"> <li>Lifetime assessment, root cause analysis, operational improvement, materials and water chemistry investigations, quality management, supplier auditing and component qualification.</li> </ul>
<ul style="list-style-type: none"> <li>Organise and offer training.</li> </ul>	<ul style="list-style-type: none"> <li>Basic and advanced training organised by Kraftwerksschule e. V. (Power Plant Training Centre) ensuring qualification of operators' staff and simulator training at KSG GfS for nuclear power plants.</li> </ul>	<ul style="list-style-type: none"> <li>More than 400 courses with about 3,500 participants each year.</li> </ul>
Membership fees		Your additional benefit:
<ul style="list-style-type: none"> <li>Ordinary members (utilities, operators and plant owners, basic minimum fee 2,287 €/year): Fees according to generating capacity (year 2021):               <ul style="list-style-type: none"> <li>Conventional/nuclear/biomass/gas 31.18 €/MW<sub>el,net</sub> year</li> <li>Hydro/wind/solar/geothermal 18.71 €/MW<sub>el,net</sub> year</li> </ul> </li> <li>Special fees e. g. for members from non-German-speaking countries (50 % reduction).</li> </ul>		<ul style="list-style-type: none"> <li>Ordinary members: Access to VGB standards (eBook) included access to the KKS and RDS-PP® systems.</li> <li>Complimentary issues of our VGB POWERTECH magazine.</li> <li>Up to 35 % discount on all VGB conferences and publications.</li> <li>Up to 25 % discount on our technical and engineering services.</li> </ul>
<ul style="list-style-type: none"> <li>Affiliated members (authorities, institutes, associations): 1,870 €/year</li> </ul>		<ul style="list-style-type: none"> <li>... and further.</li> </ul>
<ul style="list-style-type: none"> <li>Sponsoring members (suppliers, manufacturers, consultants): 935 to 12,472 €/year (depending on staff number)</li> </ul>		