

Since 2000 VGB has provided a growing platform for operators and manufacturers of hydropower plants for sharing experience and knowledge at a high expertise level. This platform includes a Strategic Forum, a Technical Committee and six permanent Technical Groups for different technical, operational and environmental topics. Additional groups can be activated on demand. Currently, more than 100 experts are actively participating in VGB hydropower committees.

Be part of the powerful hydropower network



Our mission

VGB PowerTech | Hydro is the first address in technical, environmental and strategic issues for hydropower operators and hydropower equipment manufacturers / suppliers and functions as the collective European information platform and key representative for the hydropower community."

Our objectives

- supporting our members in operation, maintenance and plant optimization as well as in technical, environmentally relevant and strategic challenges
 - running improving the availability, reliability and plant safety for hydropower plants
 - supporting a cost-effective durability and environmental management of hydropower plants
 - developing new concepts to improve operation and maintenance
 - compiling practice-oriented VGB-Standards considering experience of operators
 - establishing safety standards
 - expanding the exchange of experience in engineering and operation
- performing as the collective European information platform for the hydropower community
 - editing and providing facts regarding positions and references
 - inserting positions into European and national regulatory frameworks

Exchanging knowledge > Generating solutions



Joint efforts – Individual benefits

What we do ...	What we provide ...	Your benefit ...
<ul style="list-style-type: none"> We have built an international platform for the exchange and transfer of technical and environmental know-how from experts in accordance to compliance and antitrust rules. 	<ul style="list-style-type: none"> Access to know-how via specialised technical committees and groups with participation of more than 100 experts. Access to a pool of expert knowledge. Preparation of technical and environmental key data to define the state of the art and best practice. 	<ul style="list-style-type: none"> Direct access to a network of independent experts by personal contacts, in order to exchange and to transfer technical and environmental experiences and know-how for the complete life cycle of hydropower plants: e.g. design, engineering, licensing, construction, operation, maintenance, learning curves, health & safety, quality management, environmental compatibility.
<ul style="list-style-type: none"> We put at your disposal an access to databases as well as to reporting systems in the domains of availability and reliability. 	<ul style="list-style-type: none"> KISSY database (Power Plant Information System) to anonymously benchmark power plants, e.g.: <ul style="list-style-type: none"> Availability Performance Incidents on components 	<ul style="list-style-type: none"> Direct access to databases and online reporting systems (e.g. benchmarks, damage analysis, provision of reports).
<ul style="list-style-type: none"> We act as a gatekeeper and provider of technical and environmental facts for members and relevant partner associations. 	<ul style="list-style-type: none"> Position papers, e.g.: <ul style="list-style-type: none"> Comments to final report "Forum Fischschutz" of the German Umweltbundesamt Direct contact to and support of political lobby associations on technical and environmental issues. 	<ul style="list-style-type: none"> Harmonization of technical and environmental positions and support of international and national partner associations within the EU and in relation to national legislation procedures (e.g. eurelectric, BDEW, AGAW).
<ul style="list-style-type: none"> We generate technical and operational standards in close cooperation with operators and suppliers and we supervise technical guidelines. 	<ul style="list-style-type: none"> Industry guidelines and best practice standards, e.g. VGB-Standards: <ul style="list-style-type: none"> VGB-S-034 "Assessment of fatigue-loaded components in hydropower plants" Harmonization of technical standards by contact (e.g. VDI, DIN). 	<ul style="list-style-type: none"> Efficient execution of projects and improved plant operation, higher plant availability and cost savings with best practice guidelines. Representation of your interests in technical guidelines.
<ul style="list-style-type: none"> We organise events and workshops in accordance with your expressed needs. 	<ul style="list-style-type: none"> Conferences, workshops and meetings concerning current topics, e.g.: <ul style="list-style-type: none"> IT security CE-conformity 	<ul style="list-style-type: none"> Direct exchange of experience with experts on subject-specific events. Newest information on state of technology.
<ul style="list-style-type: none"> We identify, coordinate and manage international joint R&D activities. 	<ul style="list-style-type: none"> Recent projects, e.g.: <ul style="list-style-type: none"> INADAR - Innovative and ecological approach for dam restoration 	<ul style="list-style-type: none"> Cost savings, build-up and sharing of know-how. International collaboration to improve access to public funds.
<ul style="list-style-type: none"> We publish detailed information on current technical and environmental topics. 	<ul style="list-style-type: none"> VGB PowerTech Journal: <ul style="list-style-type: none"> Since 2010 over 80 hydropower articles published 	<ul style="list-style-type: none"> Receiving information about all generation types on a high technical level in the monthly appearing VGB PowerTech Journal.
<ul style="list-style-type: none"> We offer technical services, engineering consulting and construction supervision. 	<ul style="list-style-type: none"> Lifetime assessment, root cause analysis, operational improvement, materials investigations, quality management, supplier auditing and component qualification. 	<ul style="list-style-type: none"> Independent and high quality assessment of the plants as part of our expert network. Preferred access to our Technical Services: Materials Laboratory and Quality Assurance and Supervision.

**Benefit from our comprehensive offer
as a member of our powerful hydropower network.**

Success through Exchange of Experience

VGB PowerTech | Hydro
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VGB
POWERTECH

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