CONFERENCE VENUE
Messezentrum Salzburg
Am Messezentrum 1
5020 Salzburg/Austria

CONFERENCE LANGUAGE
English

REGISTRATION
Participants are requested to register online. Please note that the registration is binding. We will confirm your registration by sending the invoice. You will receive your name badges and the list of participants at the conference office before the start of the workshop. Please mention the company’s invoice address with all other necessary data!

VGB PowerTech e.V.
Akalya Theivendran
Deilbachstr 173
45257 Essen/Germany
Phone: +49 201 8128 230
E-mail: vgb-main-hpp@vgb.org

WORKSHOP FEE
Non-VGB members € 200,-
VGB members € 250,-
The visit of the exhibition of RENEXPO® INTERHYDRO is included in the price. VGB members receive a discount of 20% on all REECO GmbH conferences and of 10% on an exhibition place.
It is not possible to accept credit cards or currency at the conference office.
The attendance fee is free of VAT and includes the list of participants, the conference presentations (after the conference), coffee breaks and beverages as well as lunch.

CANCELLATION
The following fees will be charged for the cancellation of the registration:
Up to 14 days prior conference € 50,-
Within 14 days prior the conference 100%
Only written cancellations are accepted.

ROUTE DESCRIPTION
For route description to the venue please see “Route to Messezentrum Salzburg”.

ACCOMMODATION
For your hotel reservation please see “Hotels in Salzburg” and use the booking tools. VGB office regrets being unable to make hotel reservations.

CONFERENCE OFFICE
The conference office will be open from 08.00 a.m.
Regarding conference procedures please contact:
Dr Mario Bachhiesl
Phone: +49 201 8128 270
Mobile: +49 151 18248023
E-mail: mario.bachhiesl@vgb.org

PRIVACY POLICY
VGB is committed to protect your privacy. We will only use the information that we collect about you lawfully. We collect information about you to process your order and to provide you with best possible service in future. The documents will list your name, surname, title, function, company and place of business. Photos and videos from the event will be published in VGB publications as well as in other publications and the internet.

COOPERATION
VGB’s Expert Event is embedded within the conference of RENEXPO® INTERHYDRO. For further information about the trade fair, please see “RENEXPO® INTERHYDRO”. Please find the complete conference program: https://www.renexpo-hydro.eu/en/conference/conference-program-2019/

The RENEXPO® INTERHYDRO offers operators, planners, project developers, investors, local communities, energy suppliers as well as political representatives, scientists, research institutions and the industrial sector a unique platform for presentation, knowledge transfer and the exchange of experiences as well as finding new contacts.

29th NOVEMBER 2019
SALZBURG / AUSTRIA

IN SPECIFICATION,
MAIN THEMES
REFURBISHMENT OF HYDRO PLANTS

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Innovative approaches to the operations and maintenance (O & M) of hydropower facilities are needed to ensure optimal performance. Poor operations and maintenance through a lack of investment, inadequate training or outdated approaches, can cause high outage rates, performance losses and increased operating costs. This can lead to lost energy production, reduced revenues and in some cases result in safety and environmental concerns.

Choosing whether to maintain or upgrade hydropower plant components can be difficult. Poor original equipment reliability can force changes, but often a detailed cost-benefit analysis is needed to make decisions. Understanding how others have tackled this process can help ensure success at your plant. Risk-based approaches allow an efficient prioritization based on highest risk, cost reduction and fast risk identification.

The VGB expert workshop will provide a comprehensive overview of maintaining hydropower assets and aims at transferring knowledge in order to benefit from innovative and newly developed approaches and technologies. This workshop will mainly highlight the following topics:

- Innovative technical aspects about generators and lifetime extensions
- Application of measuring and testing instruments
- Experiences with the application of test standards and monitoring systems

You will learn from experts of leading manufacturer companies about their newest developments and opportunities for the maintaining of your hydropower fleet. This may help you in decision-making and in finding O & M strategy solutions in your company.

There will be enough time for detailed discussions and for answering questions.

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**WORKSHOP PROGRAMME**

**FRIDAY – 29th NOVEMBER 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
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<tbody>
<tr>
<td>09.00</td>
<td>Welcome and opening of the workshop</td>
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<tr>
<td>09.20</td>
<td>Keynote Speech: Current challenges of operators in preventive maintenance</td>
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<tr>
<td>09.40</td>
<td>SESSION 1: Facilitating maintenance</td>
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<tr>
<td>10.50</td>
<td>Coffee Break</td>
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<tr>
<td>11.10</td>
<td>SESSION 2: Optimising performance</td>
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<tr>
<td>12.30</td>
<td>Lunch Break and opportunity to visit the Exhibition</td>
</tr>
<tr>
<td>14.00</td>
<td>SESSION 3: Condition monitoring systems</td>
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<tr>
<td>14.30</td>
<td>Risk assessment of hydroelectric plant components: common sense and digitalization</td>
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<tr>
<td>14.50</td>
<td>Monitoring of oil moisture in turbines</td>
</tr>
<tr>
<td>15.10</td>
<td>Experiences with vibration based condition monitoring of hydropower plants</td>
</tr>
<tr>
<td>15.30</td>
<td>Cloud data based maintenance and its benefits for optimising performance of hydropower plants</td>
</tr>
<tr>
<td>16.00</td>
<td>Summary and closing words</td>
</tr>
</tbody>
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Lunch Break and opportunity to visit the Exhibition