



**SWAN Analytische Instrumente AG**

Online analysis for various water treatment processes and continuous process monitoring has been the focus of SWAN Analytische Instrumente AG in Switzerland for the last 27 years. SWAN has become the technology leader in online water analysis, and is best known for its monitoring systems for water and steam quality in power plants.

SWAN cherishes the Swiss tradition of high precision manufacturing, with its only production facility in Switzerland which includes a rigorous quality control to guarantee performance. With the Research and Development facility, which is also located in house at the headquarters, SWAN has proven to be very efficient when it comes to new developments with short times to market and excellent designs that focus on reliability user friendliness and low cost of ownership.

**Water Steam Cycle Instrumentation for Power Plants, Industrial Boilers and Process Steam**

User requirements have played a paramount role in designing fully integrated measurement systems for the power industry. The control of chemical regimes in water steam cycles is relies on instrumenta-

# International Journal for Generation and Storage of Electricity and Heat

6 | 2018

<b>VGB Congress 2018: Power Generation in Transition</b> VGB Kongress 2018: Power Generation in Transition <i>Christopher Weßelmann</i>	1
Abstracts/Kurzfassungen	6
Members' News	8
Industry News	26
News from Science & Research	37
Power News	41
<b>General Data Protection Regulation (GDPR) of the European Union – What had to be considered until 25 May 2018</b> EU-Datenschutzgrundverordnung – Was bis zum 25.5.2018 beachtet sein muss(te) Stefan Loubichi	45
<b>Diesel under pressure: New screw pump for high-pressure applications</b> Diesel unter Druck: Neue Schraubenspindelpumpe für Hochdruckanwendungen Oliver Troßmann and Ralf Richter	50

<b>Testing and regeneration of SCR-catalysts in view on their mercury-oxidation-potential</b> Vermessung und Regeneration von SCR-Katalysatoren im Hinblick auf ihr Quecksilber-Oxidations-Potential Tobias Schwämmle, Thorsten Dux and Xin Liu	55
<b>Flexible operation of power stations requires innovative materials and test methods</b> Flexibler Kraftwerksbetrieb erfordert neue Werkstoffe und Prüfverfahren Claas Lehmkuhl and Otmar Klag	61
<b>Converting coal to biomass: Making the energy transition feasible</b> Umwandlung von Kohle in Biomasse: Energiewende möglich machen Ben Moxham	64
<b>Optimised energy supply concepts for public indoor swimming pools based on cogeneration units and/or solar absorbers</b> Energieversorgung öffentlicher Hallenbäder mit optimiertem Einsatz motorischer Blockheizkraftwerke und/oder thermischer Solaranlagen Claudia Werner and Ernst Jürgen Werner	67
<b>Heat transfer systems for novel nuclear power plant designs</b> Wärmeübertragungssystem für neue Kernkraftwerkskonzepte Sebastian Vlach, Christoph Fischer and Herman van Antwerpen	74

tion that can be handled easily allowing quick diagnosis in case of an upset condition. This has led to the integration of diagnostic data such as sample flow, electrode integrity or reagent availability. Communicating such instrument diagnostics, enables swift intervention in the process based on true value feedback from the analyser systems.

For more information, please feel free to contact [swan@swan.ch](mailto:swan@swan.ch) or visit our homepage [www.swan.ch](http://www.swan.ch)

ACHEMA:  
June 11 to 15, 2018  
Frankfurt / Germany  
Hall 11, Booth C44



SWAN Analytische Instrumente AG  
Studbachstrasse 13  
8340 Hinwil

Phone +41 44 943 63 00  
[www.swan.ch](http://www.swan.ch)

<b>Ljungström AdvX™ heat recovery technology</b> Ljungström AdvX™ Wärmerückgewinnungstechnologie Jonas S. Klingspor	78
<b>100 CHP plants for Bottrop</b> Forum Energietechnik: 100 KWK-Anlagen für Bottrop Maren Wenzel, Mustafa Flayyih, Manfred Lange, Jörn Benthin, Frank Burmeister und Rolf Albus	84
Operating results	88

VGB: New publications	89
News from VGB	91
Personalien	92
Inserentenverzeichnis	94
Events	95
Imprint	96
Preview VGB PowerTech 7   2018	96

Annual Index 2017: The Annual Index 2017, as also of previous volumes, are available for free download at [https://www.vgb.org/en/jahresinhaltsverzeichnisse\\_d.html](https://www.vgb.org/en/jahresinhaltsverzeichnisse_d.html)

Jahresinhaltsverzeichnis 2017: Das Jahresinhaltsverzeichnis 2017 der VGB POWERTECH – und früherer Jahrgänge – steht als kostenloser Download unter folgender Webadresse zur Verfügung: [https://www.vgb.org/jahresinhaltsverzeichnisse\\_d.html](https://www.vgb.org/jahresinhaltsverzeichnisse_d.html)

