



PSIAG Scandinavia AB
Östra Torggatan 2C
652 24 Karlstad
Sweden

Phone: +46 5467 152-17
opendays@psiscandinavia.se
www.psiscandinavia.se

+ Innovativ + Informativ

Open Days | Agenda

Karlstad – Congress Culture Centre
September 11 - 12, 2019

PSIAG Scandinavia AB • Östra Torggatan 2C • 652 24 Karlstad • Sweden

Open Days
PSI  11.-12.09.2019
Scandinavia

PSI 
Scandinavia



Invitation

Since 2017, PSI has been established in the Scandinavian area.

In order to celebrate our “advance to the North” we are delighted to welcome you to our "PSI Open Days" taking place from 11th to 12th September in Karlstad, Sweden.

We will present our latest high-end software solutions for controlling, monitoring and optimizing complex network infrastructures for power transmission, distribution as well as for smart grids.

We are looking forward to intensive discussions.

Wolfgang Fischer
Chief Executive Officer

Thomas Böhmer
Chief Operating Officer

09:00	Check-in
09:20	Welcome and opening  Wolfgang Fischer, CEO PSI Scandinavia
09:30	Key notes and ambitions of PSI in Scandinavia  Wolfgang Fischer, CEO PSI Scandinavia
09:45	PSI solution portfolio + PSI network control technology / network utilization and Field Force Management + Software-as-a-Service / Grid-Management-as-a-Service + PSI Industrial Intelligence  Thomas Böhmer, COO PSI Scandinavia
10:00	PSIsaso/TSO + Reactive Power Management and Dynamic Security Assessment + Multi-criterial decision support to find the most beneficial solution at any time + Your autopilot for maximizing safety and profit margins  Peter Schedlbauer, Director Sales TSO&Rail PSI Software AG
10:30	PSIsaso/DSO 2.0 + Data exchange between DSOs and TSOs with investment protection + Compliant with GLDPM requirements + Generation of realistic forecasts ensures supply quality in the future  Dr. Guido Remmers, Manager Division DSO PSI Software AG
11:00	Coffee break

11:15	Exhibition
12:30	Lunch
14:00	Field Force Management 4.0 + Maintenance and repair including fault clearance + Integration of grid control processes + Potentials of industrial intelligence  Dr. Mathias Koenen, Marketing & Sales PSI Software AG
14:30	Smart Grid - Hybrid network operations management for DSOs + Intelligent Grid Operator – an agent-based distribution grid automation system + Reliable and predictive detection of grid congestions + (Semi-)Autonomous cascaded operation of distribution grids  Martin Stiegler, PSI GridConnect GmbH
15:00	Coffee break
15:15	Exhibition
16:45	Summary + Conclusion and brief outlook on tomorrow's topics  Wolfgang Fischer, CEO PSI Scandinavia
18:00	Departure for the evening event



09:00

Welcome



Wolfgang Fischer, CEO PSI Scandinavia



09:15

Advanced Process Connection

- + Intelligent process connection via different communication channels
- + Central secured system for patches and administration of network components
- + Security proxy for a safe system migration process



Peter Schedlbauer, Director Sales TSO&Rail PSI Software AG



09:45

Intelligent Thermal Limit Management

- + Dynamic Limit Rating for grid elements (busbar, transformer, ...)
- + Online communication with grid elements provides dynamic data for network analysis
- + Extension of life and maintenance cycle for grid elements



Peter Schedlbauer, Director Sales TSO&Rail PSI Software AG



10:15

Anomaly Detection

- + Application Whitelisting - Advanced Intrusion Detection Environment (AIDE)
- + Signed Third Party Installation Package (RPM) & Application Software Bundles
- + Enhanced Anomaly Recognition



Wolfgang Fischer, CEO PSI Scandinavia



10:45

Coffee break



11:00

Exhibition



12:00

Review and conclusion



Wolfgang Fischer, CEO PSI Scandinavia



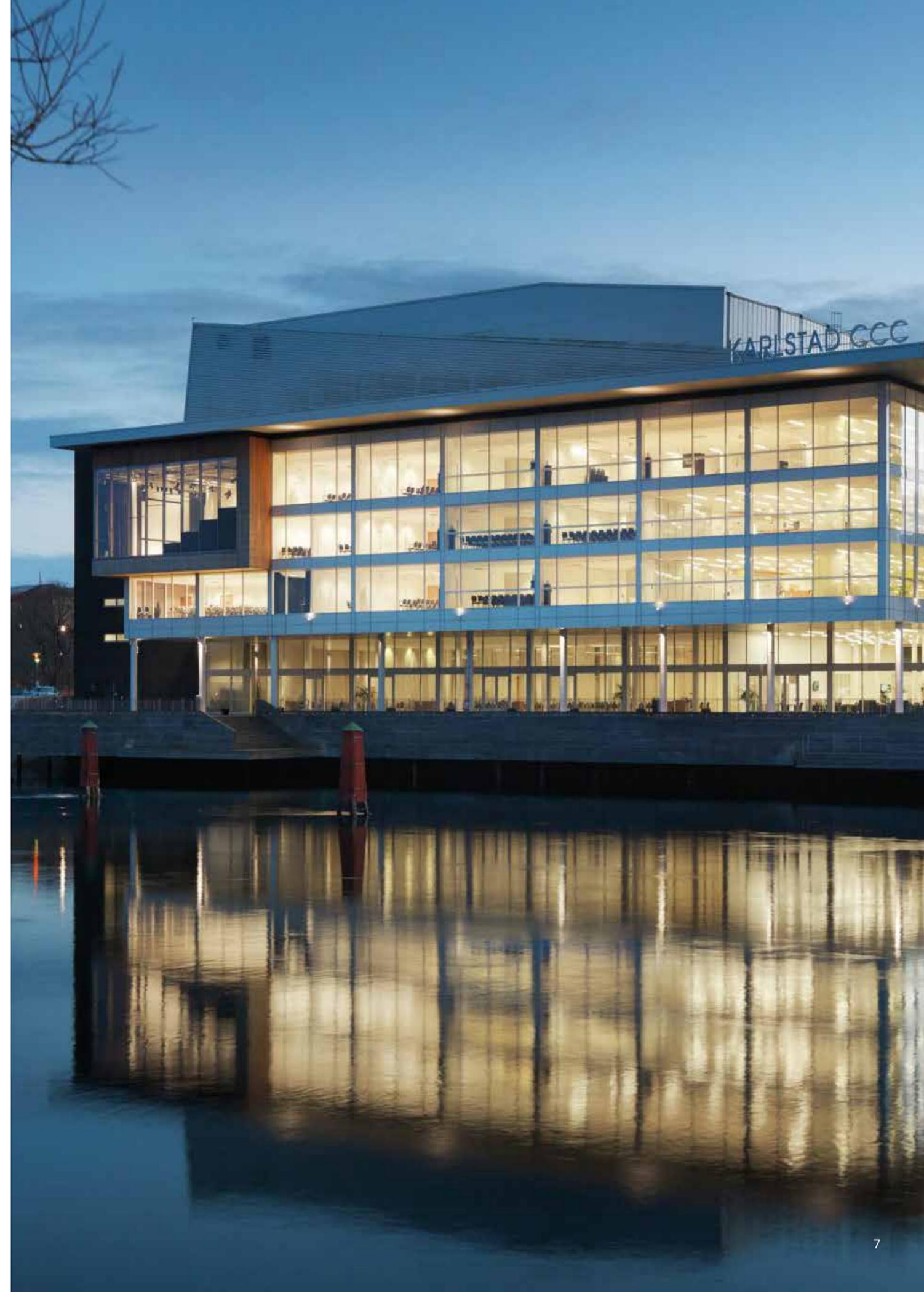
12:15

Lunch



14:00

We wish you a safe journey home





PSIsaso/TSO

Peter Schedlbauer, PSI Software AG

The auto-pilot for Transmission System Operators

PSIsaso/TSO provides a Var/Volt management (VVM) and a Dynamic Security Assessment (DSA) module. VVM eliminates identified voltage limit violations and determines the reactive power demand at the network nodes and the supply by power plants and compensation equipment. DSA performs calculation and assessment of the dynamic online stability in complex electrical energy supply networks to ensure high performance system operation for operational network management.

PSIsaso/DSO 2.0

Dr. Guido Remmers, PSI Software AG

The auto-pilot for Distribution System Operators

PSIsaso/DSO 2.0 is a system for security analysis and system optimization. It provides look ahead network management and optimization to DSO.

These network models can be exported to TSOs. An AI-module „decision support“ allows significantly better utilization of the entire medium and low voltage network.



PSIcommand

Dr. Mathias Koenen, PSI Software AG

Field Force Management 4.0

Automated service restoration strategies with integrated workforce management shorten the outages and empower technicians in the field.

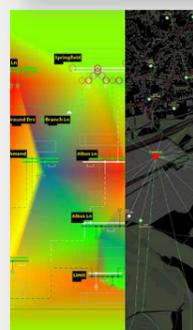
Shorted planning processes, reduction of switching operations by automatic bundling mechanisms, and management of low voltage grid from mobile.

PSIingo

Martin Stiegler, PSI GridConnect GmbH

Demonstration of the behavior of decentralized distribution grid controllers

A new kind of hybrid grid controller (InGO) for low and medium voltage grids will be presented which enables the integration of partially autonomous and decentralized grid management into grid operations management in control centers. In principle, the decentralized system is capable of monitoring and controlling the assigned grids completely autonomously and without connection to the central control system. Secure communication links allow parameterization and update of the grid data as well as direct access to the grid by the control center staff if needed.



Intelligent Thermal Limit Management

Peter Schedlbauer, PSI Software AG

Calculation of the dependency of temperature and wind with respect to the ability to increase load on power lines. The calculation includes contingency analysis as well as all warning and threshold limits. Calculation of the operating condition under consideration of the given load curve and the outside temperature. Operating condition as $f(I_{Load}, \vartheta_{Ambient})$ and thus consideration of the forecast data. The ageing rate is also determined for each forecast interval (15 minutes) and reported back as ageing rate index. The Loss of Life is calculated on the basis of the load forecast for 24 hours and indicates the lifetime consumption in relation to the transformer's age (manufacturer's specification) for 24 hours. A monetary evaluation is provided.



+ Speakers



Wolfgang Fischer

Chief Executive Officer
PSIAG Scandinavia AB

✉ wfisher@psiscandinavia.se

After studying electrical engineering at the University of Applied Sciences in Landshut, Wolfgang Fischer started working for PSI as a software engineer and project manager for communication technology in 1988. In 1996, he joined the PSI Energie EE business unit. His career included project management, quality management, controlling and management of a large department within PSI Energie EE. In 2012, he was appointed Managing Director of the PSI Energie EE Business Unit and from 2017 he has also been the designated Chief Executive Officer (CEO) of PSIAG Scandinavia AB.

One of his main objectives is to make PSI products the leading technology in innovation and richness with functions tailored to the complex requirements of the energy transition. At the same time, customers shall be provided with intelligent software solutions for the most comprehensive support.



Thomas Böhmer

Chief Operating Officer
PSIAG Scandinavia AB

✉ tboehmer@psiscandinavia.se

Having graduated from the Technical University of Dortmund in electrical engineering, Thomas Böhmer worked as a scientific employee at the University of Dortmund and with ABB. In 1996, he started working with PSI Software AG as a software engineer for network control and power applications. His career at PSI includes project management, software development and department management within PSI Energie EE.

In 2014, he was appointed Head of Division TSO&Rail. Since 2017, he has also been in charge of PSIAG Scandinavia AB as Chief Operating Officer (COO).



Peter Schedlbauer

Director Sales TSO&Rail
PSI Software AG

✉ pschedlbauer@psi.de

Peter Schedlbauer, an electrical engineer, was working at Siemens Vienna before he joined a joint-venture between VATECH Austria and PSI in 2003. Since 2007, he has worked 100% for PSI Software AG. Coming from software development over project management to sales activities, he perfectly understands the needs on all edges of a successful project and unifies customer requirements with product development. His international sales career allows him to have a global understanding of customer needs.

He has big aspirations to extend PSI business in the Scandinavian market and would be glad to have intensive discussions to support the most beneficial solutions for your business.

Having graduated in physics at the technical universities of Aachen and Berlin, Guido Remmers completed his postgraduate education at the University of Berkeley in California; he holds a PhD in physics.

In 1993, he joined the PSI Energie EE business unit as software developer, later he worked as project manager finally as head of department.

In 2012, he was appointed head of division DSO - Distribution System Operators.



Dr. Guido Remmers

Manager Division DSO
PSI Software AG

✉ gremmers@psi.de

Dr. Mathias Koenen completed his studies of physics at the universities of Giessen, Freiburg, and Mainz with a PhD.

In 1996, he began his career at PSI Software AG. After his involvement in the development of PSIcontrol, he became project manager for a number of PSIcontrol projects which are handled by the Municipal Utilities Division now. In 2003, his focus shifted to field force management and our product PSIconmand.

Today he is responsible for sales and marketing of PSIconmand.



Dr. Mathias Koenen

Director Sales PSIconmand
PSI Software AG

✉ mkoenen@psi.de

After studying wood construction engineering at the University of Applied Sciences in Rosenheim. Following his studies, Mr. Stiegler worked for 16 years in national and international software companies. The focus was on business development, sales and product management for technical service, maintenance and field force management for energy supply.

He joined the RWE Group in 2003 and took over product management at the grid service provider SAG GmbH. Here he introduced innovation management and set up numerous R&D projects for distribution grid automation and finally assumed operational responsibility for the Smart Grid Services division.

After 15 years with SAG, he moved to PSI and took over the executive management of PSI GridConnect GmbH in Karlsruhe in November 2017.



Martin Stiegler

Managing Director
PSI GridConnect GmbH

✉ mstiegler@psi.de



+ Accommodation

For your convenience, we have made block bookings for hotel accommodation.



Scandic Winn
Norra Strandgatan 9-11
652 24 Karlstad, Sweden

★★★★

www.scandichotels.com

+46 54 776 47-00
karlstadwinn@scandichotels.com
350m 4 min (CCC)
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+ Organizational team

Please do not hesitate to contact our organizational team

 <p>Thomas Böhmer COO PSIAG Scandinavia AB</p> <p>+49 54 67152-12 tboehmer@psiscandinavia.se</p>	 <p>Peter Schedlbauer Director Sales TSO&Rail</p> <p>+49 160 96 84 29 23 pschedlbauer@psi.de</p>	 <p>Kalle Dahlbom Application Manager & Team leader</p> <p>+49 54 67152-17 kdahlbom@psiscandinavia.se</p>
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or send an email to opendays@psiscandinavia.se

Imprint

Published by
PSIAG Scandinavia AB

Östra Torggatan 2C
652 24 Karlstad
Sweden

Phone: +46 54 67152-17
opendays@psiscandinavia.se
www.psiscandinavia.se

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Christiane Kunkel, PSI Energie EE

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