The Global
BIG DATA
Analytics In
Power & Utilities
Industry Forum

27-28-29 November   2023

EXPECTED SPEAKERS:

Ralfe Poisson Enterprise Architect **Alpiq**	**Ilsa Maria Sillekens** Electrification Digital Program Manager **Shell**	**Sebastian Kaus** Data Governance Lead **Vattenfall**	**Michal Hodinka** Enterprise Architect, Retail IT Office **Innogy Czech Republic**	**Romina Medici** Head of Data Management & Governance **E.ON**	**Jennifer Jennings** Data Scientist **ESB**
Tim Breitenbach Staff Data Architect **Swissgrid**	**Uthman Ali** Product Analyst – AI ethics SME **BP**	**Jani Karonen** Head of Data and Analytics **Fortum**	**Rachel Berryman** Deputy Head of AI Center of Excellence **50 Hertz (Elia Group)**	**Luke Hughes** Head of Network Planning for London and region **UK Power Networks**	**Dr. Tobias Krauss** Head of Data Analytics **Netze BW**
Eigil Gjelsvik Director Strategy and Business Development **Elhub AS**	**Ahmed Sherif** Senior IT Support Engineer & Cloud Solutions Expert **Abu Dhabi Digital Authority - UAE**	**Matteo Masotti** Head of Data Competence Center **Enel**	**Petros Paterakis** Technical Performance Analysis **RWE**	**Brijesh Suryawanshi** Lead Data Engineer **ORE Catapult**	**Caroline El Kharrat** Lead Data Scientist **Enedis**
Anna Felländer Founder **AI Sustainability Center**	**Abed Ajraou** Head of Data & Insight **E.ON Next**	**Miguel Rodriguez Asensio** Lead Data Scientist **Iberdrola**	**Dr. Yashar Ghiassi-Farrokhal** Associate Professor **Rotterdam School of Management**	**Theo Borst** Head of Business Development Consultancy **DNV**	**Pauline Romagon** Data Scientist **Enedis**

INTRODUCTION

Artificial intelligence is changing the way that many industries operate and has huge potential to transform the utilities industry. Utilities are turning to big data capabilities to help them improve asset maintenance, integrate DERs, improve demand response, and increase online customer facing applications.

The Global Big-Data Analytics in Power & Utilities Forum 27- 28-29 NOV 2023 Amsterdam offers content for decision-makers and experts of technology strategy, analytics, data-science, and innovation from leading Energy companies. Learn how Data and analytics leaders can leverage AI to anticipate, shift and accelerate transformation in the face of disruption, uncertainty, and opportunity.

The exponential growth of data analytics in power and utility industries has motivated worldwide response by forming big data analytics in power and utility summits. Numerous transformations have been witnessed in the application of modern technologies by industries leading to the growth in volumes and variety of data and its analytics. These summits have witnessed a huge gathering of experts and decision-makers from the European powers and utilities industry to discuss trends and challenges of digital technologies data analytics and build business relationships. Therefore, the forthcoming summits to be held in Amsterdam will certainly provide the best platform for discussing a lot of topics on big data dynamics on power and utilities.

WHO SHOULD ATTEND

Chief Utilities Officers and Executives
Engineers and Operations Specialists
Utility Industry Regulators
Federal, Provincial and Municipal Government and Agencies
CIOs, CTOs, COOs, Directors of IT
Customer Services Executives
Regulatory, Policy and Standards Administrators
Academic and Research Professionals
Compliance and Consumer Protection Agents

Data Analytics,
Digital & Data Science,
AI & Machine Learning experts,
Big Data Engineers,
Data Managers,
Architects and IT practitioners
Vendors and Product Service Providers
Analytics Platforms & IT Solutions
Smart Grid/Soft Grid Developers
Automation, Hardware & Software Infrastructure
Storage and Security
Management and Technology Consultants

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08.30   REGISTRATION AND MORNING COFFEE

08.50   OPENING ADDRESS FROM THE CHAIRPERSON

09.00
CASE STUDY

Evaluating the role of Big Data for Wind Power

Ralfe Poisson
Enterprise Architect
Alpiq

ALPIQ

09.45
CASE STUDY

Introducing Inhouse Software Engineering in a TSO - Stories and learnings from the journey

- What were the incentives and where did we come from
- What helped us the most on the way
- The intersection of culture and technology
- Lessons learned – what would we do differently

Tim Breitenbach
Staff Data Architect
Swissgrid

swissgrid

10.30   COFFEE BREAK

11.00
CASE STUDY

Case study: What makes major projects successful?

Data science needs:
- The right mindset
- The right technology
- The right methodology
- The right team

Abed Ajraou
Head of Data & Insight
E.ON Next

11.45
CASE STUDY

Digital solutions and innovations to integrate industrial power systems

Ilsa Maria Sillekens
Electrification Digital Program Manager
Shell

12.30   LUNCH

13.30
CASE STUDY

The importance of responsible AI for the the energy industry:
The role of robot ethics, Generative AI and the future of work

- An overview of the uses of AI in the energy industry and emerging regulation/ethical issue
- What genAI and robotics means for society
- How organisations can prepare for the future of work and address skills gaps

Uthman Ali
Product Analyst - AI ethics SME
BP

**14.15
CASE STUDY**

Topic TBA

Sebastian Kaus
Data Governance Lead
Vattenfall

VATTENFALL

15.00   COFFEBREAK

**15.30
CASE STUDY**

An overwiew of potential benefits of making high quality energy data available to the market and potential ways of making that happen

Eigil Gjelsvik
Director Strategy and Business Development
Elhub AS

elhub

**16:15
CASE STUDY**

Cloud Data and Analytics Architecture: Data Everywhere for Everyone
- Cloud Platforms provide unique challenges and opportunities to design and architect
- How to architect data and analytics stacks
- Modernise your analytics and BI capabilities by selecting the products that best meet your needs

Michal Hodinka
Enterprise Architect, Retail IT Office
Innogy Czech Republic

innogy

17.00   **CLOSING REMARKS**

08.00 REGISTRATION AND MORNING COFFEE

08.20 OPENING ADDRESS FROM THE CHAIRPERSON

9.00
CASE STUDY

Data maturity in Power & Utilities compared to other industries

Jani Karonen
Head of Data and Analytics
Fortum

9.45
CASE STUDY

Topic TBA

Anna Felländer
Founder
AI Sustainability Center

10.30 COFFEBREAK

11.00
CASE STUDY

Data Management: Regulations & security

Ahmed Sherif
Senior IT Support Engineer & Cloud Solutions Expert
Abu Dhabi Digital Authority - UAE

11.45
CASE STUDY

The role of AI in the future of European power sector

Rachel Berryman
Deputy Head of AI Center of Excellence
50 Hertz (Elia Group)

12.30   LUNCH

13.30
CASE STUDY

Data Opportunities throughout the energy lifecycle

- Generation: AI to improve decision-making, production rates and maintenance tasks
- Networks: Using Big Data & AI as a core technology for even a smarter grid
- Retail: AI at the core of smart solutions to improve customer experience
- Quantum Technologies: the next big thing?

Miguel Rodriguez Asensio
Lead Data Scientist
Iberdrola

IBERDROLA

14.15
CASE STUDY

The path towards Enel platformization

What were the key enablers of Enel's digital strategy: The technological drivers
paradigms that Enel has adopted to become a platform company

Matteo Masotti
Head of Data Competence Center
Enel

15.00   COFFEE BREAK

15.30
CASE STUDY

Data Journey at Netze BW

- Data governance as a fundamental basis for data management
- Selected use cases in the field of a distribution grid operator
- Setting up and development of a centre of competence in data analytics

Dr. Tobias Krauss
Head of Data Analytics
Netze BW

16.15
CASE STUDY

Artificial Intelligence and Smart Grids for Predictive Maintenance of the Low-Voltage Network

- Setting up a predictive maintenance tool for the low-voltage network: from an R&D study to the establishment of a new activity
- Monitoring the performance and activity around the LV network predictive maintenance tool
- How Enedis's smart grid system has led to the development of innovative tools for serving
- the electricity network

Caroline El Kharrat
Lead Data Scientist
Enedis
Pauline Romagon
Data Scientist
Enedis

17.00   CLOSING REMARKS

08.00 REGISTRATION AND MORNING COFFEE

08.20 OPENING ADDRESS FROM THE CHAIRPERSON

9.00
CASE STUDY

Understanding load risk and growth using Data Analytics

Luke Hughes
Head of Network Planning for London and region
UK Power Networks

UK Power Networks

9.30
CASE STUDY

Data Governance and Management Journey of E.ON

- Introduction: E.ON's organisation and complexity
- Data Governance and Management Journey: key challenges and lessons learned

Romina Medici
Head of Data Management & Governance
E.ON

e·on

10.30 COFFEBREAK

11.00
CASE STUDY

Reserved for sponsor

11.45
CASE STUDY

Towards an energy market
- Why is data sharing an important matter in energy systems
- What are the feasible data sharing mechanisms?

Dr. Yashar Ghiassi-Farrokhal
Associate Professor
Rotterdam School of Management

RSM | Rotterdam School of Management
Erasmus University

12.30   LUNCH

13.30
CASE STUDY

Assurance of Digital Twins

- The importance of organisational maturity
- The quality of the digital twin
- Risk of use
- Continuous assurance

Theo Borst
Head of Business Development and
Consultancy
DNV

DNV

14.15
CASE STUDY

Topic TBA

Jennifer Jennings
Data Scientist
ESB

ESB

15.00   COFFEE BREAK

15.30
CASE STUDY

Application of Robotics and Autonomous Systems (RAS) in Offshore Energy Sector

Brijesh Suryawanshi
Lead Data Engineer
ORE Catapult

CATAPULT
Offshore Renewable Energy

16.15
CASE STUDY

Evaluating the role of Big Data for Wind Power

Petros Paterakis
Technical Performance Analysis
RWE

RWE

17.00   CLOSING REMARKS