

DIGITAL TRANSFORMATION

Digital Transformation in the Energy Sector Forum 2023

26-27-28 JUNE 2023, IN-PERSON & VIRTUAL, Amsterdam, Netherlands

HEAR FROM THE LEADING EXPERTS, INCLUDING:



Ana Dominguez
Director Energy Industry Executive, Western Europe Area
Microsoft



Morten Huseby
CEO
Wirescan



Matteo Masotti
Head of Data Competence Center
Enel



Mihail Ivanov
Product Manager Digitalization
ZF Wind Power Antwerpen NV



Virginia Hannig
Vice President Digital Transformation
E.ON



Marek Kubik
Managing Director Western Europe
Fluence



Dr. Carole Nakhle
CEO
Crystal Energy



Pietro Rabassi
Executive Vice President
Nord Pool



Shoab Ali
IoT and Computer Engineer
EVALAN



Gilles Villautreix
GRP Digital Transformation
TotalEnergies



Christophe Sintive
Innovation Program Manager
Technip Energies



Apurva Sharma
Senior Manager - Global Consulting & Digital Transformation Advisory
IBM



Abdessamad EL AMRANI
Consultant Sales
Fortinet



Joe Hachem
CCGT Performance Engineer
TotalEnergies



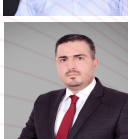
Denver Rumney
UK Lead
E.ON Innovation



Rikke Jørgensen
Senior Economist
Energinet



Rene Kerkmeester
Global Vice President
Capgemini Smart Grid



Dr. Wael Ziadat
Managing Director R&D
Society of Petroleum Engineers International



Taoufik Ait-Ettajer
Manager Technology Projects
REPSOL



Rasmus Frederiksen
Data Scientist
Siemens Gamesa



Julien Tigani
BD Manager - New energies digital solutions
Technip Energies



Nikolai Arjakine
Product Owner Autonomous Power Plant
Siemens Energy



Ezzeddine Jradi
Chief Transformation Officer
Emicool



Volker Berkhout
Research Associate
Fraunhofer Institute



Shubham Rajvanshi
Principal Consultant Digital Transformations Asset Intensive
ISG



Pieter Schavemaker
Managing Director
E-Bridge

DAY 1 - Monday 26th June 2023

08.50 Opening address from the Chair

Pieter Schavemaker
Managing Director
E-Bridge

KEYNOTE ADDRESS

09.00 On the Way to Flow-Based Market Coupling in the Nordic Power Market

- The Nordic power system: challenges and solutions
- Flow-Based Market Coupling
- Parallel run

Rikke Jørgensen
Senior Economist
Energinet

09.45 Making autonomous plant operation a reality

- Power generation market trends and increased demand for autonomous operations
- Different levels of autonomous operations
- Integration of autonomous power plants into smart energy infrastructure

Nikolai Arjakine
Product Owner
Autonomous
Power Plant
Siemens Energy

10.30 Coffee break

11.00 Addressing the challenges of Subsurface Technologies for Energy Transition and Securing the Clean Supply of Critical Minerals: The role of Digital Solution

Taoufik Ait-Ettajer
Manager
Technology Projects
REPSOL

11.45 The importance of partnership in navigating the digital transformation

- The importance of partnerships in navigating the digital transformation of the wind sector
- An overview of the technological evolution of the wind sector
Optimizing O&M with the power of data
- Reducing the levelized cost of energy (LCOE) with partners

Mihail Ivanov
Product Manager
Digitalization
ZF Wind Power
Antwerpen NV

12.30 Lunch break

13.30 **Smart Home Solutions: An Innovative Approach to Energy Efficiency along with Cybersecurity**

- Artificial Intelligence and Energy: A battle of sustainability versus consumption
- This segment will aim to foster an enriching discussion around the complex relationship
- between AI and energy. It's undeniable that the energy demands of underlying GPU infrastructures are immense, yet on the other hand, AI presents remarkable opportunities to optimize energy consumption. The discussion will strive to assess whether the potential benefits outweigh the downsides.

Abdessamad
EL AMRANI
Consultant Sales ,
New Tech, IoT, ML,
and Cybersecurity,

14.15 The role of digitalization in the energy transition

- Enhancing digitalization during the energy crisis
- What solutions are needed to increase energy efficiency?
- A focus on decarbonization with the aid of innovative solutions

Dr. Carole Nakhle
CEO

Crystal Energy

15:00 Oil & Gas and Offshore Wind Digitalization

Christophe Sintive
Innovation Program
Manager

Technip Energies

15.30 Coffee break

16.00 Intelligence intensity enables advanced energy transition scenarios

- AI\ML, IoT, digital twins, openAI, metaverse to enable multi-market power plays, 24\7 energy matching
- prediction\forecasting all up, autonomous operations
- Green assets orchestration, biodiversity

Ana Dominguez

Director Energy
Industry Executive,
Western Europe Area

Microsoft

16.30 Digital Transformation in the Context of Energy Transition

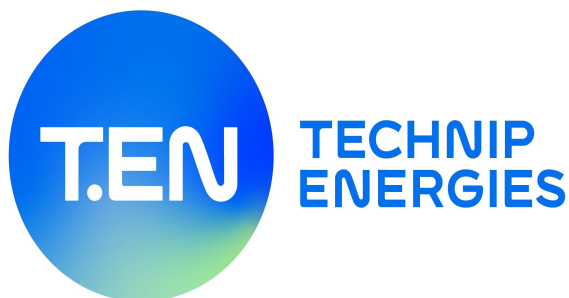
- Digital Transformation is essential to embrace Energy Transition and reduce carbon emissions. By leveraging digital technologies, businesses in the energy sector can optimize their operations and create a more sustainable environment.
- Using digital technologies such as big data, artificial intelligence (AI), machine learning (ML) and the Internet of Things (IoT) can help identify new opportunities for energy conservation by analyzing patterns in energy use, monitoring system performance, predicting potential failures before they occur and optimizing the timing of critical activities.

Digital transformation is a process that enables organizations to use technology in new and innovative ways to better meet customer needs and stay competitive.

The digital transformation of the energy sector is becoming increasingly important in the face of global climate change, as it provides the tools and infrastructure necessary for successful energy transition.

Dr. Wael Ziadat
Managing Director R&D

Society of Petroleum
Engineers International



LESSONS LEARNED FROM A DECADE OF DIGITAL TRANSFORMATIONS

17.10 End of Day One – Closing word from the Chairman

09:00 The energy crisis and the European power markets—from trends
to reforms in a more and more digitalized world

Pietro Rabassi
Executive Vice
President
Nord Pool

09.30 A Smart Approach to Smart Grid
How should grid companies get ready for the energy transition challenges?
Do & Don'ts in the Grid Company Transformation
Examples of key digitalization topics

Rene Kerkmeester
Global Vice President
Capgemini Smart Grid

10.00 Digital assets: how machine learning, AI and digital twins are
changing the landscape for renewables & storage

Marek Kubik
Managing
Director Western Europe
Fluence

10.45 Coffee break

11.15 TEN Digital for Intermittency Challenges - Digital Transformation in
the energy sector

Julien Tigani
BD Manager -
New energies digital solutions
Technip Energies

12.00 Lunch break

13.00 A focus on Human Side of the Digital Transformation

- The paramount role of the right culture in the upskilling process
- Ensuring a smooth transition to the more digitally advanced practices
- Introducing advantages of the digital solutions for data management and HSE

Ezzeddine Jradi

Chief Transformation
Officer

Emicool

13.45 Data Science Lifecycle Management @Enel, from the need collection and impact calculation to the AI/ML model implementation and monitoring

Matteo Masotti

Head of Data
Competence Center

Enel

14.30 Coffee break

15.00 The Journey to Energy Data Spaces as a part of the European Energy System Digitalisation

- Introduction into Data Spaces as a technology for building data infrastructures, its rationale and benefits
- Political environment and ongoing research on the European level
- Use cases from the electricity sector
- Implications for industries and organisations

Volker Berkhout
Research Associate

Fraunhofer
Institute

15.45 Digital transformation of the utilities

- Challenges for the utilities to implement nowadays
- a successful and sustainable digital transformation
- Solutions leading to automatized and standardized processes
- Platform as a enabler of the digitization

Virginia Hannig

Vice President Digital
Transformation

E.ON

16.15 Energy Monitoring on IoT using Data Analytics

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Shoaib Ali

IoT and Computer Engineer

EVALAN

17.00 End of Day – Closing word from the Chairman

09.00 How can Digital Reconciliate Trading & Production

- Power2market is an AI-based solution that accurately predicts the production capacity forecast, through thorough and adaptable models, and hence helps traders take better positions on the electricity & gas markets.

Gilles Villautreix
GRP Digital
Transformation

TotalEnergies

Joe Hachem

CCGT Performance Engineer

TotalEnergies

09.45 Scaling Digitalization in the Wind Industry

Drones and AI to improve the Turbine Inspection Process.
The issue with scaling AI for a large-scale OEM.
How Transfer Learning can help with scaling A

Rasmus Frederiksen

Data Scientist

Siemens Gamesa

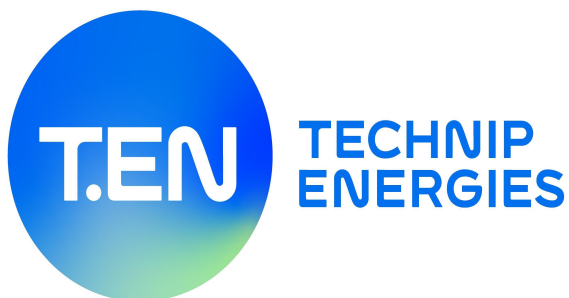
10.30 Coffee break

11.00 Monitoring Grid Health for Automatic and Real-time
Anomaly Detection and Early Warnings.

Morten Huseby
CEO

Wirescan

Lunch break



13.00 Energy Sector, an industry in Motion

- Market Insights on Energy Industry Trends
- Increasing Impact of Digital Transformation Programs
- Accelerating Investments
- Evolving Decision Making
- ESG driven Digital and IT Sourcing

Shubham Rajvanshi
Principal Consultant
Digital Transformations
Asset Intensive
ISG

13.45 yokogawa.com



14.30 Coffee break

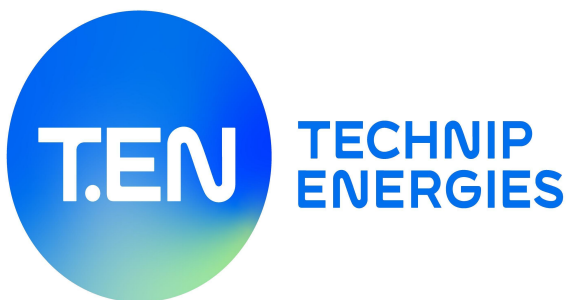
15.00 Your Digital Transformation Program needs a Transformation!

Digital Transformation Program needs a Transformation!
Need for a Strong and Lean Transformation Strategy

Common mistakes done by Chemicals and Petroleum Players in any digital transformation program.

Few Best Practices to consider to curate and executing any digital transformation initiative in the chemicals and petroleum industry.

Apurva Sharma
Senior Manager - Global
Consulting & Digital
Transformation
Advisory IBM UK
IBM



15.30 End of the Forum – Closing word from the Chairman