Digital Transformation in the Energy Sector Forum 2024

26-27-28 JUNE 2024, IN-PERSON & VIRTUAL, Amsterdam, Netherlands

Simon Evans
Global Digital Leader
Arup

Jaco Fok
Digital Transformation Consultant, Entrepreneur in Residence
FOUNDER INSTITUTE EUROPE
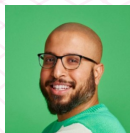
Oscar Abbink
Director, Energy Technology & Innovation
S&P GLOBAL

Shoaib Ali
IoT and Computer Engineer
EVALAN

Abdessamad EL AMRANI
Consultant Sales
Fortinet

Rene Kerkmeester
Global Vice President
Capgemini Smart Grid

Ayush Gayaprasad
Program Manager
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Kaustav Basu
Data science squad lead
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Aleksander Langåker
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Emmanuelle Brechet
VP Data Technologies
Total Energies

Parsia Tayyebi
Global Head of Digital & CX
E.ON Drive

Bas Kruimer
Business Director Digital Grid Ops & Cyber Security
DNV

Yashar Ghiassi-Farrokhfal
Academic Director
Erasmus University Rotterdam

HEAR FROM THE LEADING EXPERTS, INCLUDING:

Taoufik Ait-Ettajer
Manager Technology Projects
REPSOL
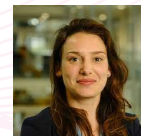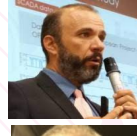
Fausto Pedro García Márquez
Professor
Castilla-La Mancha University

Fabrizio D'Antonio
Asset Integrity Manager
Milazzo Refinery

James Daniel
Innovation Project Manager
UK Power Networks

Aidan Rhodes
Research Fellow
Imperial College London

Pieter Schavemaker
Managing Director
E-Bridge

Andres Bastholm
Snr. Innovation & Technology Consultant
Ørsted

Simone Kranendonk
Liaison, Community Manager
Energy Transition Campus Amsterdam, Shell

Davide De Michino
Head of products and energy services
Enel X Way

Praveen Tomar
Head of Process Digitalisation
Ofgem

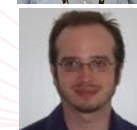**Gediminas Buivydas**
Executive School Digital Transformation and Business module manager
ISM University of Management and Economics

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08.50 Opening address from the Chair

KEYNOTE ADDRESS

09.00 Status update on the implementation of the Nordic FB DA and ID capacity calculation and the external parallel run

- Background and timeline
- Status and results of the external parallel run
- Next steps

Pieter Schavemaker
Managing Director
E-Bridge

Ulrik Møller
Senior Economist
Energinet

09.45 Digitalization & transformation

- Strategy and planning
- Projects and execution
- Implementation & change management

Aleksander Langåker
Head of Digital Transformation
Archer

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

12.30 Lunch break

13.30 Energy efficency at the heart of new tech (ML/LLM AI)

Abdessamad EL AMRANI
Consultant Sales
Fortinet

14.15 What is this for? Are we cost saving, de-risking, innovating or something else?

- Is our goal risk mitigation, cost saving or competitive advantage and what does that progression entail?
- Pinpointing the right processes for automation: Avoiding costly mistakes
- Intelligent automation vs hyperautomation use cases

Praveen Tomar
Head of Process Digitalisation
Ofgem

15:00 Industrial data management for multi energies: oil/gas, new energies

- Exploring digitalisation in oil and gas
- Exploring digitalisation in renewable energy
- Hydrogen digitalisation

Emmanuelle Brechet
VP Data Technologies
Total Energies

15.30 Coffee break

16.00

16.30 Helping larger companies to leverage their legacy systems to accelerate digital innovation using AI enhanced business process management

Jaco Fok
Digital Transformation Consultant, Angel investor, Entrepreneur in Residence
FOUNDER INSTITUTE EUROPE

LESSONS LEARNED FROM A DECADE OF DIGITAL TRANSFORMATIONS

17.10 End of Day One – Closing word from the Chairman

09:00 The need for open innovation and collaboration for the energy transition

- Introducing the Energy Transition Campus Amsterdam, an industry-first initiative by Shell
- Projects with impact
- Shared Data Spaces: Collaboration and trust in a untrusted era

Simone Kranendonk

Liaison, Community Manager

Energy Transition Campus Amsterdam, Shell

09.30 Smart Grid: A window to the world (Global best practices)

- Global Smart Gid
- Update Best Practices
- Relevant Use Cases

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

- Latest storage solutions
- Exploring efficient business models for digital assets
- An outlook towards the future of digital assets

Andres Bastholm
Snr. Innovation & Technology Consultant
Ørsted

10.45 Coffee break

11.15 How EV flexibility can hep on a sustainable and safe e-Mobility growth

- EV flexibility and VPP: pros and cons
- Where the industry are
- What we can expect on 2024 and 2025

Davide De Michino

Head of products and energy services

Enel X Way

12.00 Lunch break

13.00 Towards an integrated energy data market

Yashar Ghiassi-Farrokhfal

Academic Director

Erasmus University Rotterdam

13.45 Understanding the Pathways to Decarbonisation through a Digital Twin – The Significance of a data driven eco system to facilitate a Net Zero Future

- The Impact of Digitalisation on Planning and Energy Delivery – Managing the integration of data Interoperability, Digital Settlement and Blockchain
- Understanding the Future of Carbon Capture and Carbon Tax – Measuring the impact of policy and regulation whilst acknowledging the emerging role of technology

Aidan Rhodes
Research Fellow
Imperial College London

14.30 Coffee break

15.00 Building the Next Generation Grid Operations machine for real-time data exchange

- Requirements for NextGen GridOps
- Real-time data exchanges across the systems
- Data structuring using the common information model CIM

Bas Kruimer
Business Director
Digital Grid Ops &
Cyber Security
DNV

15.45 A novel ANROA based control approach for grid-tied multi-functional solar energy conversion system

Fausto Pedro García Márquez

Full Professor

Castilla-La Mancha University

16.15 Energy Monitoring on IoT using Data Analytics

Shoaib Ali
IoT and Computer Engineer

EVALAN

17.00 End of Day – Closing word from the Chairman

09.00 Transformation of customer journeys (e-commerce, product mgmt, experience design) for the energy transfromation. Learning from tech companies amongst others

- Strategy: why align journey (product and experience strategies) with organizational and team structures.
- High-Performing Teams: Creating and nurturing cross-functional teams
  Leadership: Discussing new essential leadership principles and practices for success in
- Product Management and Experience Design

Parsia Tayyebi

Global Head of Digital & CX

E.ON Drive

09.45 Designing the business model of energy data hubs

- Data science lifecycle management
- Operationalization of data centricity

Kaustav Basu
Data science squad lead

Eneco

10.30 Coffee break

11.00 **Building the energy sector data sharing infrastructure**

Simon Evans
Global Digital
Energy Leader
Arup

Lunch break

13.00 Achieving business objectives with digital solutions

- Identifying the main objectives
- An overview of current and emergining solutions
- Cost-efficiency

Oscar Abbink
Director, Energy
Technology & Innovation
S&P GLOBAL

13.45 Generative AI for Industry: Impact on Data Democratisation & Asset Performance Management

Ayush Gayaprasad
Program Manager
Shell

14.15 Coffee break

14.45 Determining a strategy for leveraging modular system design to strike the balance between speed of deployment and system quality, flexibility and lifecycle

- Developing a standardized design to accelerate deployment of a larger volume of substations and optimize control over equipment lifecycle
- Reconsidering responsibilities between market players to determine appropriate functional requirements and define an interface between modules

James Daniel

Innovation Project Manager

UK Power Networks

15.15 Driving Agility in Downstream –   How to successfully democratise data and achieve end to end Visibility

- A roadmap for sucessful implementation of effective tools
- Challenges on the way of data democratisation
- How to achieve end to end visibility?

Fabrizio D'Antonio
Asset Integrity Manager
Milazzo Refinery

15.45   Topic TBA

Gediminas Buivydas
Executive School Digital
Transformation and Business
module manager
ISM University of Management and Economics

16.15 End of the Forum – Closing word from the Chairman