

# DIGITAL TRANSFORMATION

## Digital Transformation in the Energy Sector Forum 2024

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

### HEAR FROM THE LEADING EXPERTS, INCLUDING:



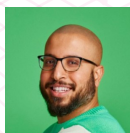
**Simon Evans**  
Global Digital Leader  
Arup



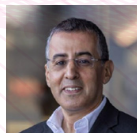
**Ulrik Møller**  
Senior Economist  
Energinet



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



**Kaustav Basu**  
Data science squad lead  
Eneco



**Taoufik Ait-Ettajer**  
Manager Technology Projects  
REPSOL



**Simone Kranendonk**  
Liaison, Community Manager  
Shell



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



**Aleksander Langåker**  
Head of Digital Transformation  
Archer



**Fausto Pedro García Márquez**  
Professor  
Castilla-La Mancha University



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



**Shoab Ali**  
IoT and Computer Engineer  
EVALAN



**Emmanuelle Brechet**  
VP Data Technologies  
Total Energies



**Fabrizio D'Antonio**  
Asset Integrity Manager  
Milazzo Refinery



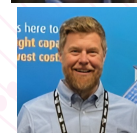
**Praveen Tomar**  
Head of Process Digitalisation, Ofgem



**Abdessamad EL AMRANI**  
Consultant Sales  
Fortinet



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



**James Daniel**  
Innovation Project Manager  
UK Power Networks



**Gediminas Buivydas**  
Executive School Digital Transformation and Business module manager



**Rene Kerkmeester**  
Global Vice President  
Capgemini Smart Grid



**Bas Krumer**  
Business Director Digital Grid Ops & Cyber Security  
DNV



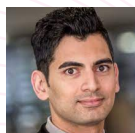
**Aidan Rhodes**  
Research Fellow  
Imperial College London



**ISM University of Management and Economics**



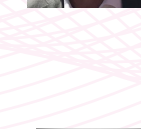
**Ayush Gayaprasad**  
Program Manager  
Shell



**Yashar Ghiassi-Farrokhfal**  
Academic Director  
Erasmus University Rotterdam



**Pieter Schavemaker**  
Managing Director  
E-Bridge



**Jan Willems**  
Director Project Controls and Senior Fellow Data Integration, FLUOR



**Andres Bastholm**  
Snr. Innovation & Technology Consultant  
Ørsted



**Angeline Goh**  
Digital Manager Supply Chain  
Shell

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 efficiency 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

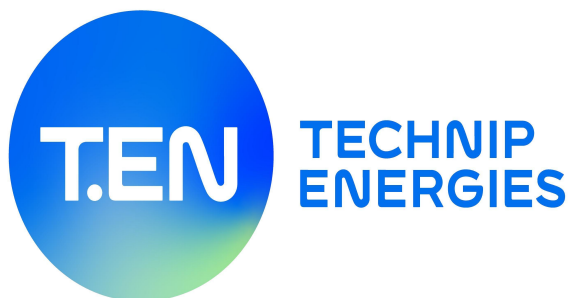
15.30 Coffee break

16.00 Digital Inventory for Energy

Angeline Goh  
Digital Manager Supply  
Chain  
Shell

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

**Simone  
Kranendonk**

Liaison,  
Community  
Manager

- **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**

**Energy Transition  
Campus  
Amsterdam, Shell**

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

Rene Kerkmeester  
Global Vice President

**Capgemini Smart Grid**

- **Global Smart Grid**
- **Update Best Practices**
- **Relevant Use Cases**

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

Andres Bastholm  
Snr. Innovation &  
Technology Consultant  
**Ørsted**

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

10.45 Coffee break

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

**Davide De Michino**

Head of products and  
energy services

**Enel X Way**

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

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 transformation. 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

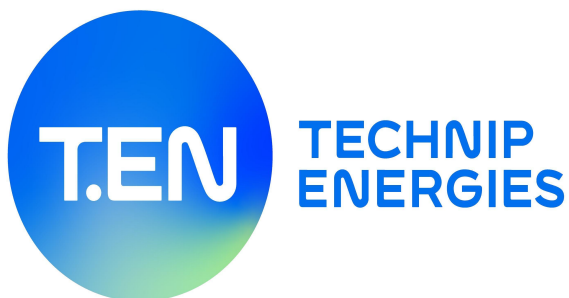
11.00 **Building the energy sector data sharing infrastructure**

**Simon Evans**

Global Digital  
Energy Leader

**Arup**

Lunch break



**SIEMENS**  
**ENERGY**

## 13.00 Achieving business objectives with digital solutions

- Identifying the main objectives
- An overview of current and emerging 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 successful 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 I thought there was Standardized Engineering Data??? – Digital Transformation of a Heterogenous Engineering Ecosystem at Fluor

Jan Willems  
Director Project Controls and Senior Fellow Data  
Integration  
Fluor

Ryan Hargrave  
Subject Matter Expert in Material Control, Engineering Data Standards  
and Systems Support  
Fluor

## 16.45 End of the Forum – Closing word from the Chairman