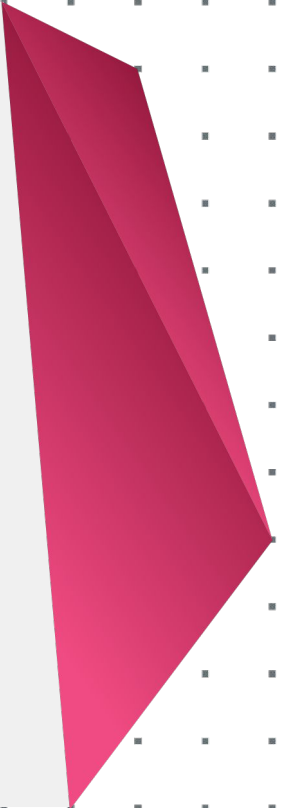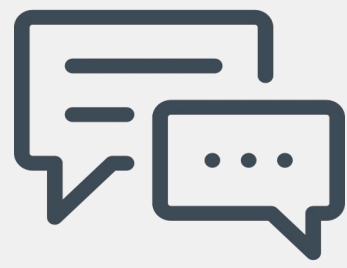**Tuesday, 5 October**

Intelligent Energy Networks Forum
The benefits of greater intelligence

Niko Louvranos, Commercial Lead - Energy, 5G, AI, Blockchain
Digital Catapult

CATAPULT Digital

Housekeeping

Agenda

14.00   Welcome

14:05   Panel discussion: Managing the energy network through advanced digital technologies

15:15   Questions from the audience

15:25   Closing remarks

15:30   Forum ends

Delivering Net Zero through Intelligent Energy Networks

Energy Networks

Intelligent Energy Networks

Autonomous or semi-autonomous operational decisions
Flexible services to energy network stakeholders (internal or external)

Virtualised Applications & Services

Advanced Digital Infrastructure

| Future Networks 5G - IoT | AI / ML | Immersive (AR/VR/XR) | Blockchain | Quantum |

Panel

Delivering Net Zero through Intelligent Energy Networks

Niko Louvranos, Commercial Lead - Energy, 5G, AI, Blockchain
Digital Catapult

Delivering Net Zero through through Intelligent Energy Networks

- **Lynne McDonald,** Programme Manager - Distribution System Operator (DSO) Readiness, UK Power Networks (UKPN)

- **Dr. Catherine Edwards,** Snr. Project Engineer, Scottish Power Energy Networks (SPEN)

- **Iain Miller,** Head of Innovation - Northern Powergrid (NPg)

- **Corinna Jones,** Snr. Innovation Manager, National Grid Gas Transmission (NGGT)

- **John Richardson,** Head of Innovation and Repex Transformation - SGN

- **Tom Notman,** Director of Net Zero Delivery - Cadent

- **David Richardson,** Head of Innovation for Energy Systems, UK Research and Innovation (UKRI)

- **Dan Clarke,** Head of Innovation - Energy Networks Association (ENA)

Intelligent Energy Networks Forum

Material shared

Material shared

- A few examples of whole system projects:
  - [Project Local Energy Oxfordshire](#)
  - [Greater Manchester Local Energy Market](#)
  - [GreenSCIES](#) - heat network focussed but demonstrating a wide range of partners to develop a design which integrates with the wider local energy system
- Submit and idea [here](#) and innovate with UKPN
- [ENA Innovation Portal](#)
- [EIC Innovator Support](#)
- Explore the [Smarter Networks Portal](#) - Submit innovative ideas directly to Networks, read about past and current projects and find out more about the funding mechanisms. It's your window into Network Innovation
- Sector-wide data/digi initiatives:
  - [Energy data taskforce report (2019)](#)
  - [Interim recommendations for the Energy Digitalisation Taskforce](#)
- [ENA data request tool](#) - Many networks have their own data portals too
- [Innovation Strategy UKPN](#) - Key pillars and challenges can be found
- Visit the online and free [ENIC conference](#) and learn more about the National Energy System Map (NESM) proof of concept and the iDentify trial project feature in the Data and Digitalisation session
- Data and digitalisation challenge of the Strategic Innovation Fund is open now - Apply [here](#)
- An energy network partner is needed for an application, submit ideas via the ENA, to networks directly, or email: *sif_ofgem[at]innovateuk.ukri.org*
- [UKPN - Open data](#) and [UKPN - Envision](#)

Thank you!

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