

Grid Innovation Alliance

Empowering Europe's High Voltage Future

15.10.2026 | Chitralekha Yadav

Shared TSO challenges



- Extreme weather
- Integrating renewables
- Managing congestion
- Physical and cyber risk
- Accelerated technological change

But separate routes to innovation



- Separate budgets
- Distributed learning
- Duplicated effort
- Individual risk and expertise
- Fragmented market signals

[Elia Group](#) > [Press releases](#)

02 July 2025

Eight European grid operators launch Innovation Alliance to improve resilience and efficiency of their electricity grids

BRUSSELS | Eight leading European transmission system operators (TSOs), including Elia Transmission Belgium and 50Hertz, are today officially launching the Innovation Alliance. Formed in recognition of the strategic importance of electricity grids and the challenges they face, the Alliance will develop shared solutions for boosting the resilience, efficiency and technological advancement of electricity infrastructure. As part of this, the Alliance will organise its work into innovation programmes that will each be focused on critical areas of interest. The first of these will be 'Weather and Grid Resilience' and will seek to address the operational and infrastructure risks posed by increasingly unpredictable weather events.

Shared challenges, shared solutions

As the energy transition progresses, so our responsibilities as TSOs and the challenges we face are becoming steadily more complex. To ensure that our grids remain effective, secure and cost efficient, we must continue to adopt new tools and approaches for the development, operation and maintenance of our infrastructure. Collaboration with actors from across the electricity sector and beyond plays a key part in this.

Press releases

[Eight European grid operators launch Innovation Alliance to improve resilience and efficiency of their electricity grids](#)



PDF - 183.51 KB

[Huit gestionnaires de réseau européens lancent l'Innovation Alliance pour des réseaux européens plus résilients et efficaces \(in French\)](#)



PDF - 232.89 KB

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Elia Group > Press releases

02 July 2025

Eight European Alliance their electricity grids

TRUST



Agreed governance, ways of working
under Memorandum of
Understanding

COMMITMENT



CEOs agreed that innovation is
critical for the energy transition

BRUSSELS | Eight leading European transmission system operators (TSOs) – Elia, E.ON, Enx, ECI, IZ, RTE, SNG and 50Hertz, are today officially launching the Innovation Alliance to improve the resilience, efficiency and technological advancement of their electricity grids. The Alliance will organise its work into innovation programmes that will address the shared challenges of the energy transition. The first of these will be 'Weather and Grid Resilience' and will focus on the risks posed by increasingly unpredictable weather events.

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ACTION



From discussion to joint technology
experimentation

Press releases

[Eight European grid operators launch Innovation Alliance to improve resilience and efficiency of their electricity grids](#)



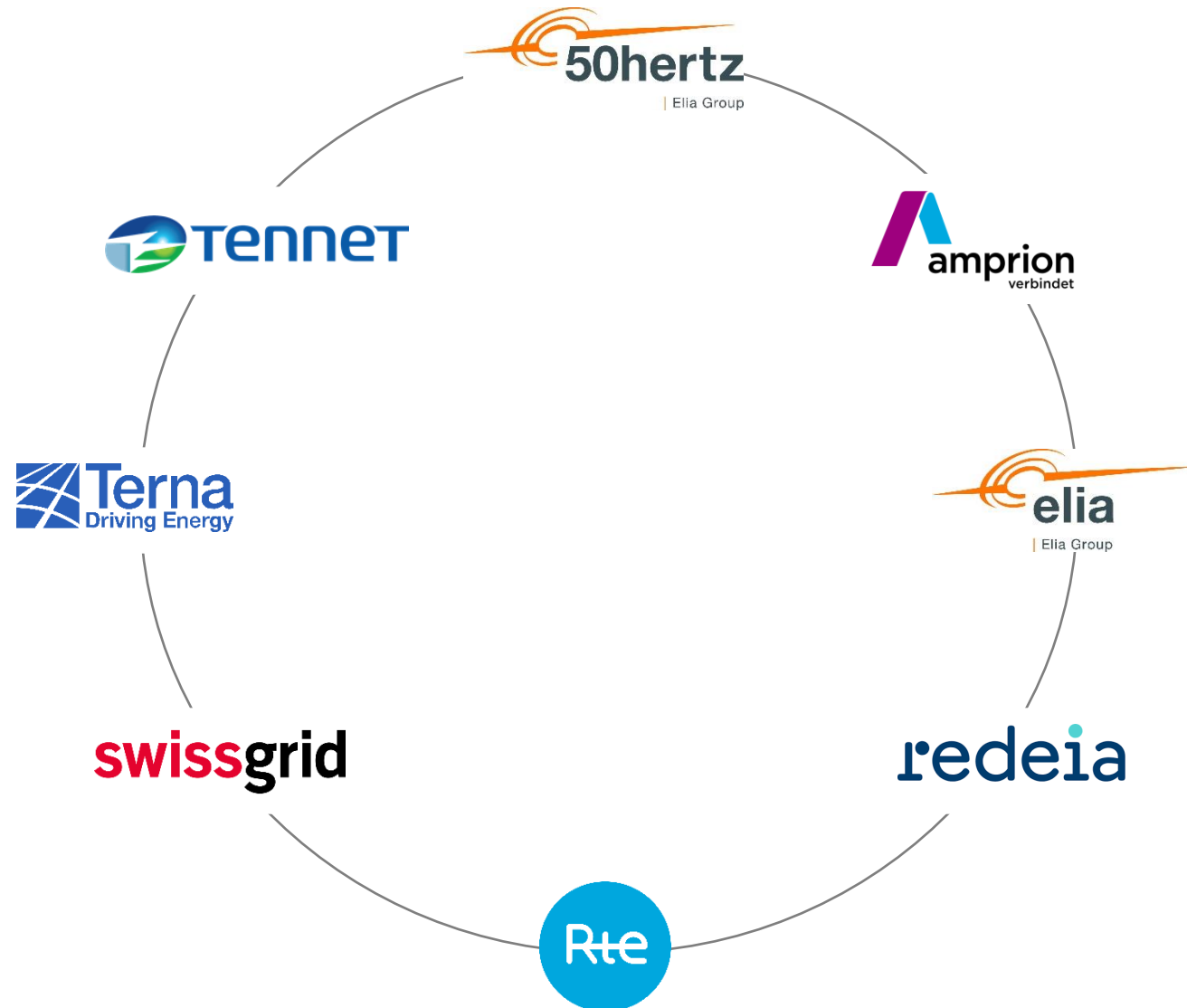
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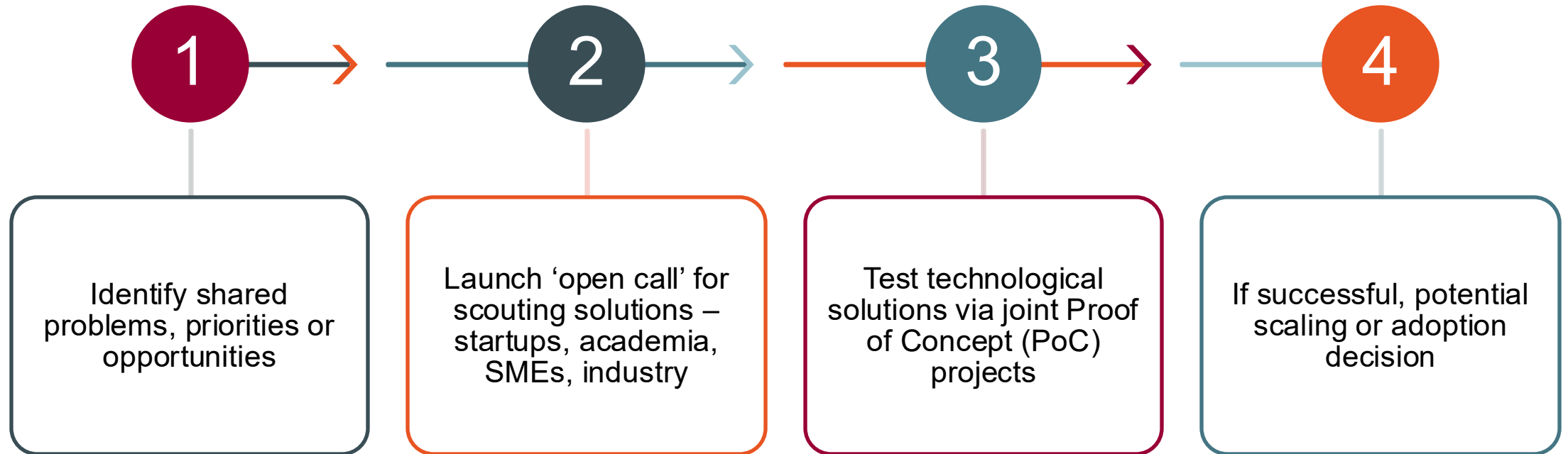


PDF - 232.89 KB

Who we are: eight TSOs building a practical collaboration model



What we do: from shared challenges to collaborative experimentation



In 2025 we launched our first challenge on ‘Weather and grid resilience’

3

expert exchanges

86

Applications | 3 solution
providers

2

Proof-of-Concept projects

Generated strong market response, and as an alliance moved from a shared challenge to shared experiments



Home



Open Call



Background & Problem



What we are looking for



About the Alliance



Technologies



Blog



Analytics



Community Management



Admin Settings

Grid Innovation Alliance Open Call 2026

How do we unlock more capacity from our existing electricity grid? The Grid Innovation Alliance (formerly TSO Innovation alliance) consisting of eight European High Voltage grid operators are looking for a innovative grid enhancing technologies. Apply with your solution until the 9th of October.

What we are looking for

Read about what we are looking for in solutions and how you can apply.

[Read more](#)

Submit your Technology until 9th of October

Participate in our Open Call on Grid Enhancing Technologies by submitting your technology!

[Apply now](#)

More about the Grid Innovation Alliance

Read more about the members, their goal and the background of the Alliance.

[Read more](#)

Learning by doing – together as the Grid Innovation Alliance



Thank you!

