

ROADMAP

to 2030 and beyond



UNEZA
UTILITIES FOR NET ZERO ALLIANCE

The Mission



To create a new, meaningful and deliberate international platform for cooperation among entities operating within the power utilities ecosystem, to address and overcome common barriers to the realisation of net zero ambitions and more near-term emissions reduction targets. Through it, shaping dynamic new partnerships, and forging effective channels for dialogue with key public and private stakeholders.

Institutional Partners



Industry Members

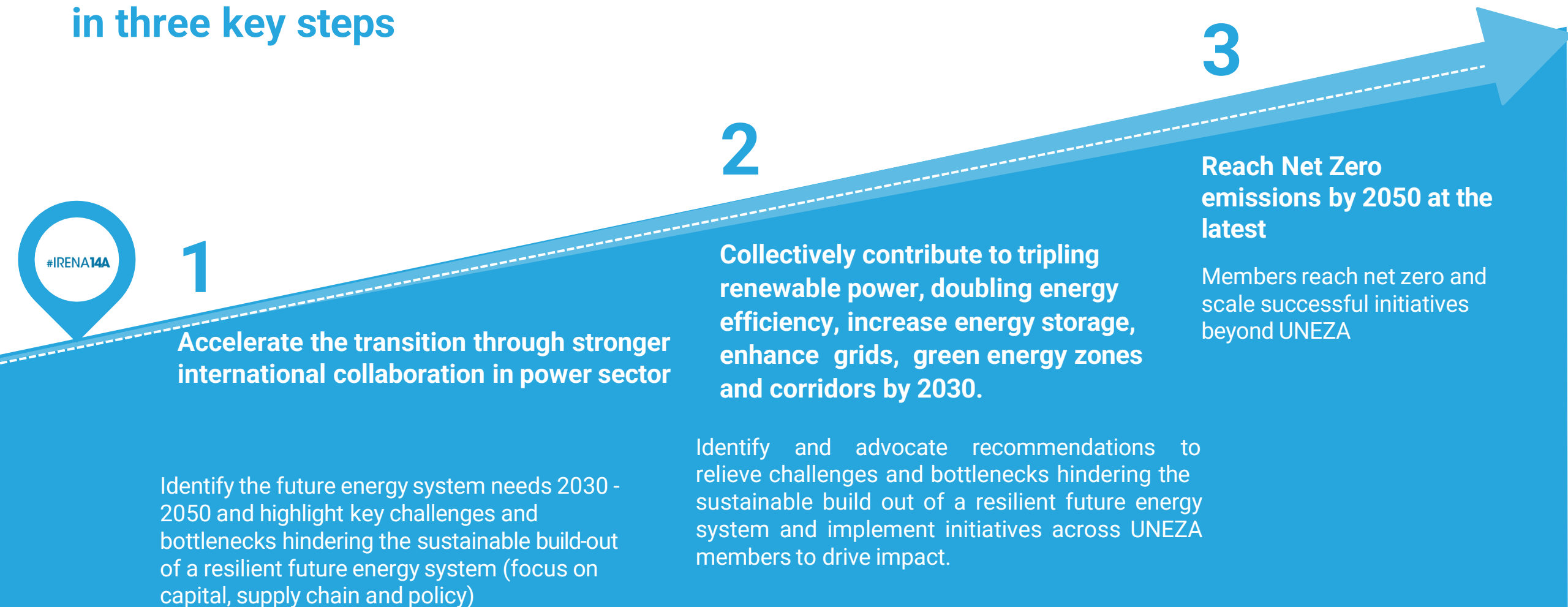


Knowledge Partners



Total 73 members and partners with IRENA as Alliance Secretariat host

The roadmap to 2030 and beyond involves addressing key challenges and expanding impact beyond UNEZA in three key steps



Context references: The Breakthrough Agenda Report, IEA, IRENA, UN Climate Change High-Level Champions in collaboration with Marrakesh Partnership (2023) /

2030 Climate Solutions Implementation Roadmap (2023) / Sharm Adaptation Agenda 2030 / IRENA, World Energy Transitions Outlook 2023: 1.5°C Pathway

COP29 Energy Storage and Grids Pledge and COP29 Green Energy pledge: Green Energy Zone and Corridors

UNEZA members are committed to support the tripling agenda by 2030

Update: Joint Target Progress indicators

GRIDS

~79 bn USD
p.a.

Energy Storage

~3 bn USD
p.a.

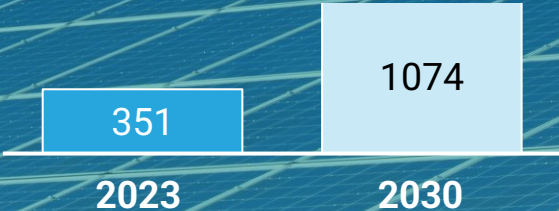
RENEWABLES

>66 bn USD
p.a.

3X by 2030

Increased total installed
renewable capacity, GW

Total annual investment 148 bn USD, resulting in up to 1 tn USD by 2030













1. The members of the UNEZA have individual plans that combined altogether represent above joint UNEZA targets by 2030.
2. Individual company commitments for investments already pledged for the coming years over timelines vary from 2023–2030.
3. To calculate investment period of members 2025–2030 is counted as five years. Average planned investment per one year of members are aggregated into Total annual investment.
4. Data aggregated from information provided by UNEZA members and collected from public sources. Information from subsidiary companies is included in the joint targets.
5. Joint targets are aggregated based on individual achievements and targets of the UNEZA members as per different baseline year. The targets will be updated annually to represent the Alliance' ambition and the baseline of 2023.
6. Total installed renewable capacity figures do not include large hydropower.

To accelerate the energy transition, 6 focus areas are defined where action along 4 pillars can alleviate challenges in the ecosystem

Current challenges in the ecosystem

■ Priority 2024-2025

Priority challenges for 2024-25 across focus areas and pillars

Focus areas	 Mobilize capital	 De-risk supply chain	 Build capabilities and talent	 Facilitate Policy & regulatory support
 Buildout of clean power and decarbonization of thermal	<p>Inefficient and slow financing process due to</p> <ul style="list-style-type: none">• Taxonomy of grid investments within multilateral development banks• Unclear business case	<p>De-risking is limited due to bottlenecks in the supply chain, a significant mismatch between supply and demand and difficulty to coordinate procurement across regions and to form partnerships at scale</p>	<p>Availability of human capital and knowledge sharing across regions hinders critical prerequisites such as grid flexibility, which is essential for net-zero transition</p>	<p>Inefficient policy uptake & permitting slows down projects</p> <p>Lack of policy standardization across regions adds to process inefficiencies</p>
 Build up reliable and flexible grid infrastructure				
 Drive wide-spread adoption of electrification				
 Improve Energy Efficiency				
 Promote technological innovation				
 Sustainable execution of actions				

Build out of clean power and **the grid infrastructure** are deeply interlinked, with grids a key enabler for clean power build-out

UNEZA will reshape the power utilities' landscape

Together, we can deliver

Join forces to build the fact base and foundation towards a net-zero future

Excellence is key

Collectively execute the initiative with excellence and overcome obstacles and bottlenecks

Sky is the limit

Scale beyond UNEZA and reach net zero goals before 2050



