



# Standards and Capacity Building for Resilient Energy Systems

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Public

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We are ISO,  
the International  
Organization for  
Standardization.

*Our vision:  
Make lives easier, safer  
and better*



We are  
an **independent**,  
non-governmental  
organization



Our job is to make  
**International  
Standards**



We are **a global  
network of national  
standards bodies**  
with one member  
per country



We are coordinated  
by a Central  
Secretariat in  
**Geneva,  
Switzerland**



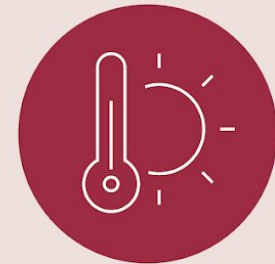
# Three main challenges...



Achieve **net zero**

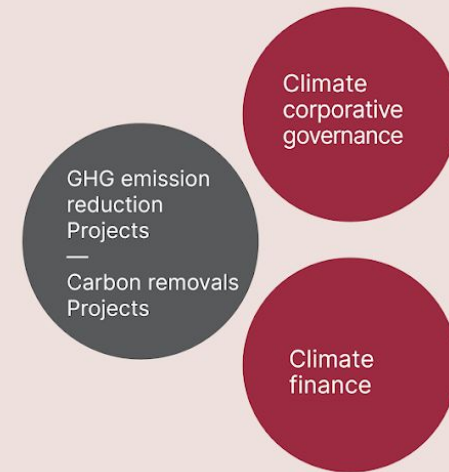
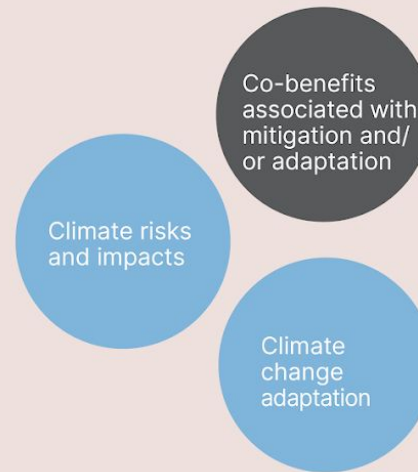
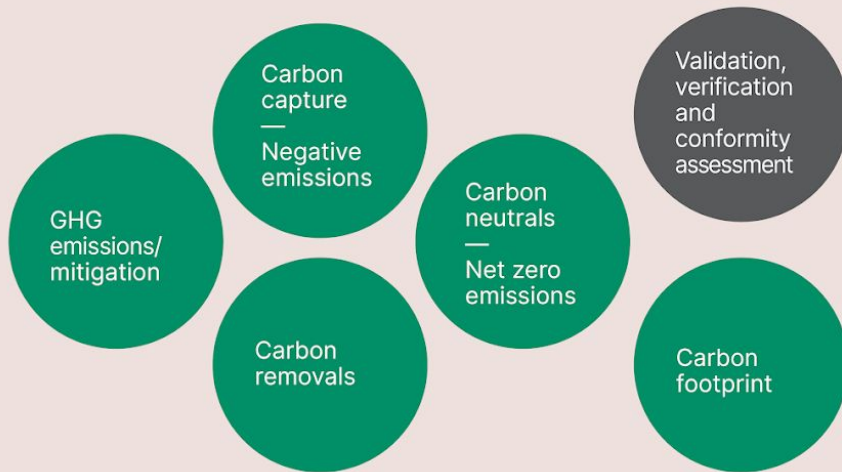


Become **resilient and adaptive**



**Integrate Climate Action** in governance and management

## ...addressed by + 500 International Standards







# ISO Standards: enabling energy resilience

## Planning and risk reduction

Standards for risk & vulnerability assessment, business continuity planning

## Design and operation

Standards for durability, grid stability, decentralization

## Recovery and adaptation

Standards that support renewable integration and disaster response

## Facilitating transitions

Standards for energy management, hydrogen and smart grids

## Interoperability and safety

Standards that ensure reliable, safe, connected systems

## Policy and finance

Standards that enable regulation and de-risk investments



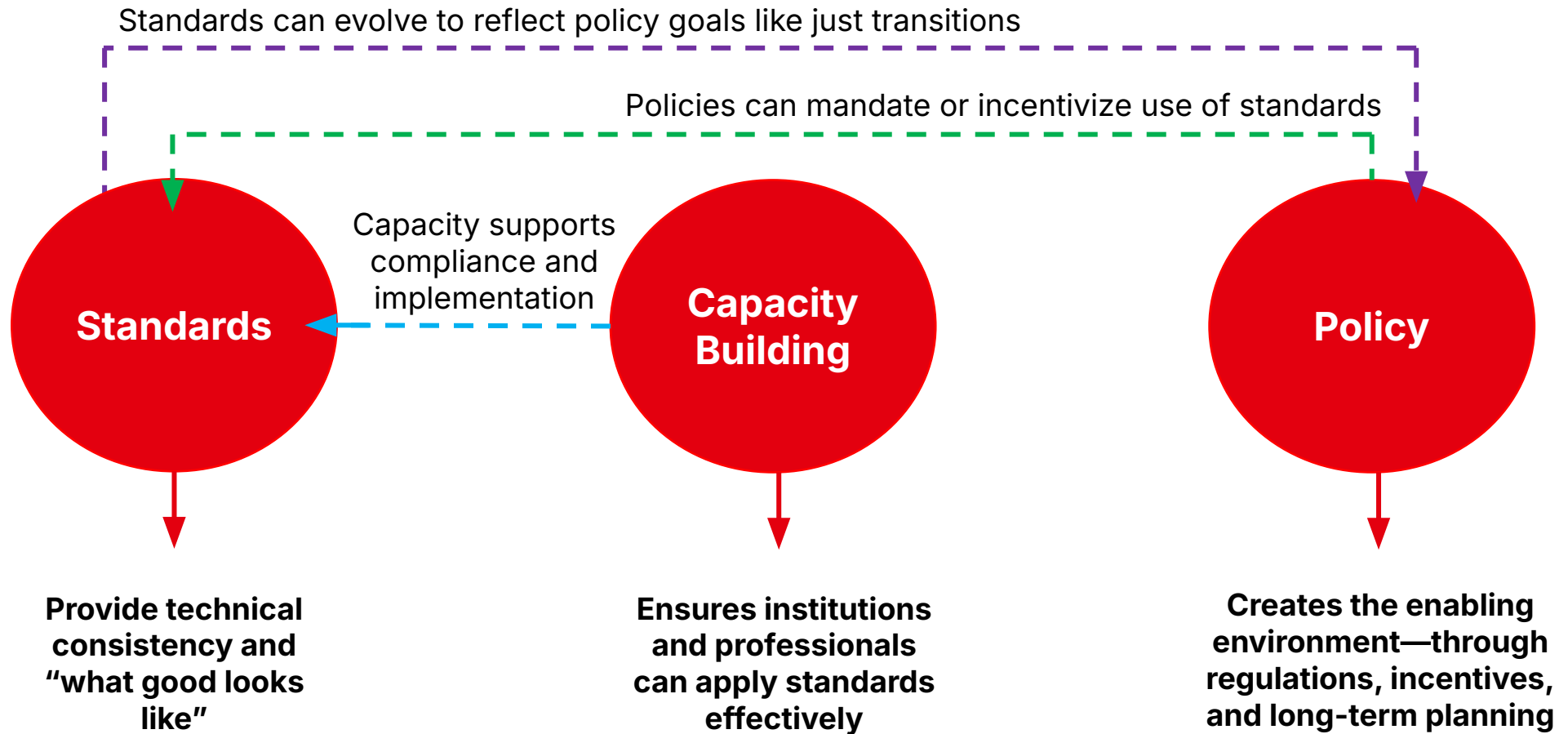
# Capacity building: sustaining systems

- Standards are powerful—but only if people and institutions can apply them, and benefit from them.
- Capacity building makes standards actionable, relevant, and locally owned.
- We work with national standards bodies (NSBs), ministries, engineers, academia, industry, civil society and other stakeholders to ensure developing countries:
  - Participate in international standardization
  - Increase the uptake of ISO standards that contribute to the achievement of the SGDs, in the public/private sectors
- Technical assistance, training, knowledge sharing, and regional cooperation are at the *heart of our approach*.

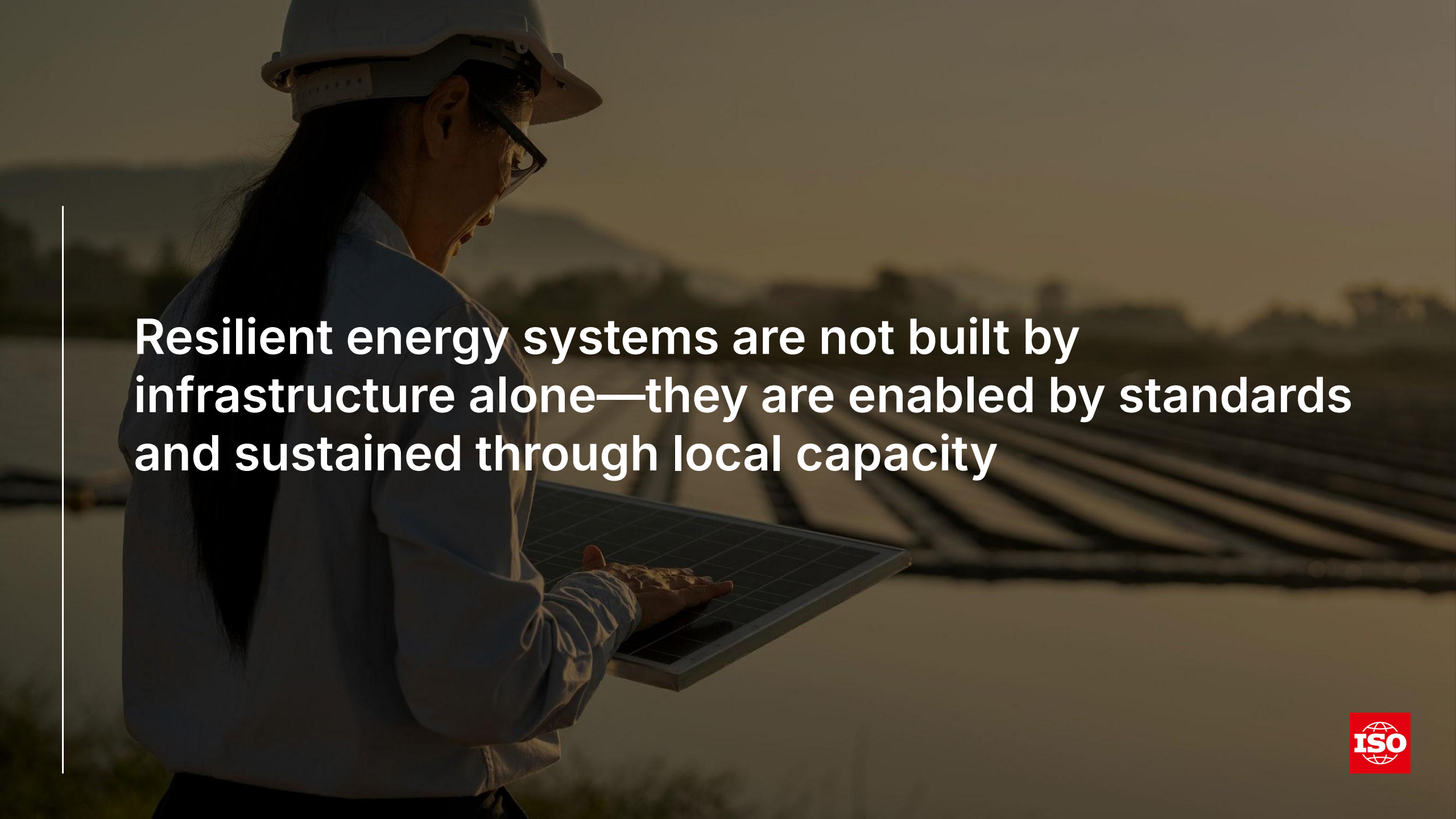
***All voices heard in international standardization!***



# Standards, capacity building, and policy: A reinforcing system







**Resilient energy systems are not built by infrastructure alone—they are enabled by standards and sustained through local capacity**



# Thank you.

Making lives *easier, safer* and *better*.

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