



Trusted Energy  
Interoperability Alliance

# What makes TEIA different

Purpose-built for today's distributed energy systems

## Challenge

Energy infrastructure is locked into proprietary vendor silos with fragmented, inconsistent approaches to security and trust.

## Solution

TEIA provides payload-neutral, end-to-end security that works across any vendor, device, or protocol—creating a universal foundation of trust.

## The four pillars of TEIA's approach



### 1. Zero-trust architecture

Every interaction is cryptographically verified rather than relying on fragile network perimeter security.



### 2. Network independence

Security operates across any protocol, from live networks to offline energy environments.



### 3. Quantum-safe design

Upgradeable cryptographic methods provide backward-compatible protection against future threats.



### 4. AI-ready infrastructure

Enables safe AI-powered energy applications like grid management, forecasting, and predictive maintenance.

Discover how TEIA's universal trust model can protect and enhance your infrastructure today.

Read now

