



ISGAN Award of Excellence 2024

The International Smart Grid Action Network (ISGAN), in partnership with the Global Smart Energy Federation (GSEF), proudly presents the 2024 ISGAN Award of Excellence. This award celebrates innovative smart grid projects under the theme 'Flexibility for Grid Resilience', recognizing solutions that enhance power system adaptability and stability.



Korea Power Exchange

Empowering a Resilient Korean Power Grid through Inertia Analysis, ESS Optimization, and DR Advancements

Grid Stability	Real-time inertia monitoring system
Renewable Integration	ESS optimization
Innovative Tech	Automatic Demand Response (Auto DR) program

POwering SYstem flexibiliTY in the Future through RES (POSYTYF)

Grid Stability	Dynamic Virtual Power Plant (DVPP) concept
Renewable Integration	RES contribution to ancillary services
Innovative Tech	New stability definitions and analysis methodologies



Ecole Centrale Nantes



Sumitomo

International Demonstration Project to Prove Japanese Technology for Improved Energy Consumption Efficiency / Demonstration Project Testing Storage Battery Operation for Both Electricity Transmission and Distribution in California, USA

Grid Stability	Microgrid operation
Renewable Integration	Multiple-use applications (MUA)
Innovative Tech	Redox Flow Battery (RFB) system

Plug and Play Grids (PnP): Validation of a new plug & play concept for grid-forming inverters

Grid Stability	Grid-forming control methods
Renewable Integration	Plug-and-play functionality
Innovative Tech	Decentralized microgrid operation



Fraunhofer Institute



Tata Power

Enhancing Grid Resilience through end user Behavioral Demand Response

Grid Stability	Behavioral Demand Response (BDR) program
Renewable Integration	Peak load management
Innovative Tech	Leveraging smart metering infrastructure

About ISGAN: Launched in 2010, the International Smart Grid Action Network is a Clean Energy Ministerial initiative and International Energy Agency Technology Collaboration Programme that brings together 27 countries from five continents and the European Commission to advance the global deployment of smarter, cleaner, more flexible electricity grids.

About GSEF: Established in 2010, the Global Smart Energy Federation links leading national and regional smart energy organizations from around the world, each representing a variety of private sector, academic, and other stakeholder interests.