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**Association of Electricity Distribution System Operators**

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# Elder



- ELDER was established in 1999 as the **association of electricity distribution system operators (DSOs)** in Turkey. It represents **all of 21 DSOs as an umbrella organization**, which are managing the all electricity grid in Turkey.
- ELDER aims to support its members through R&D activities, regulatory monitoring and economic assessments for successful and widespread deployment of electricity distribution services in the country.

# SOME ONGOING PROJECTS



- Together with EMRA, Energy Market Regulatory Authority of Turkey ([www.emra.org.tr](http://www.emra.org.tr)) ELDER is also coordinating the “**Smart Grid Road Map of Turkey**” project (**TAS2023**) with the contribution of its members; i.e. all 21 DSOs in Turkey. This project would be the handbook of Turkey on transition to smart grids and services.
- ELDER has currently two ongoing funded **Horizon 2020** projects
- **Horizon 2020** – LCE-07 - **PEAKapp** ([www.peakapp.eu](http://www.peakapp.eu))
  - Personal Energy Administration Application (NO.1 EU Energy Saving Project of 2017, featured in News article of EU’s Executive Agency for Small and Medium Enterprises)
- **Horizon 2020** – EE-11 - **SmarterEMC2** ([www.smarteremc2.eu](http://www.smarteremc2.eu))
  - Demand Response Management Platform
  - Virtual Power Plant Management Platform
  - Data Management and Visualization
  - Energy Hub
  - 6 real world pilots

# INTERESTED IN PROJECTS UNDER



- Smart Cities and Communities
- Consumer engagement and demand response
- Flexibility and retail market options for the distribution grid
- Solutions for increased regional cross-border cooperation in the transmission grid
- Integrated local energy systems (Energy islands)
- TSO – DSO – Consumer: Large-scale demonstrations of innovative grid services through demand response, storage and small-scale (RES) generation
- Research on advanced tools and technological development

# BRIEF CAPABILITIES



- ELDER has great competence on incorporating detailed exploitation and dissemination strategies, clearly defining how project results will be implemented and how they will impact on the market, on future developments and policy making. Actively working on exploitation of new products and services to energy market
- ELDER is able to bring Turkish DSOs and/or European DSOs which are providing demonstration and field application services and capabilities for projects.
- ELDER has extensive capabilities for energy market regulation and able cooperate with Turkish Energy Market Regulatory Authority (EMRA)



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