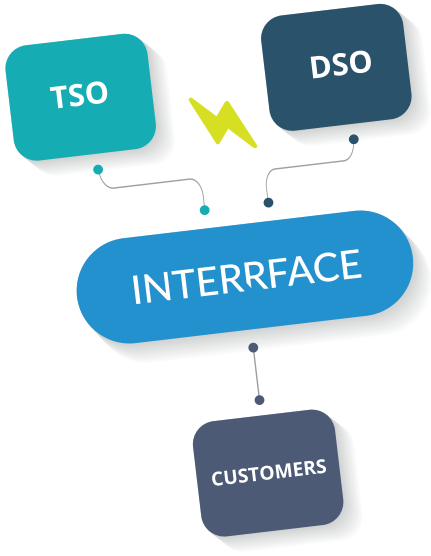
INTERRFACE

TSO-DSO-Consumer INTERFACE aRchitecture to provide innovative grid services for an efficient power system

We create the common platform!

WHAT?

To support the energy transition, the INTERRFACE project will design, develop and exploit an Interoperable pan-European Grid Services Architecture (IEGSA) to act as the interface between the power system (TSO and DSO) and the customers and allow the seamless and coordinated operation of all stakeholders to use and procure common services.



HOW?

INTERRFACE will provide:

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New services, market rules and coordination functions for pooling and allocating distributed flexibility, stemming from distributed energy resources, demand aggregators and grid assets.

Innovative digital technologies like Big Data management, Internet of Things, blockchains, novel Artificial Intelligence-based methods are used to facilitate the transition to the next generation grid services in a cost-effective and coordinated manner.

Advanced information and communication technologies to support the plug-and-play integration of different services and tools into an IT platform that will enable the utilisation of IEGSA.

Data models to support the data governance structure and confidentiality, thus ensuring and enabling the secure exchange of heterogeneous data generated by different actors, in a unified way.

WHERE?

Demo area 1: Congestion management and balancing issues

Demo area 2: The use of peer to peer transactions

Demo area 3: Step forward to integrated retail and wholesale market

WHO?

42 partners

16 countries

TSOs, DSOs & regulators

Service & technology providers

Research institutions & Universities

Energy suppliers & aggregators

Project duration:
48 months

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Scan here to visit the interrface website

www.interrface.eu