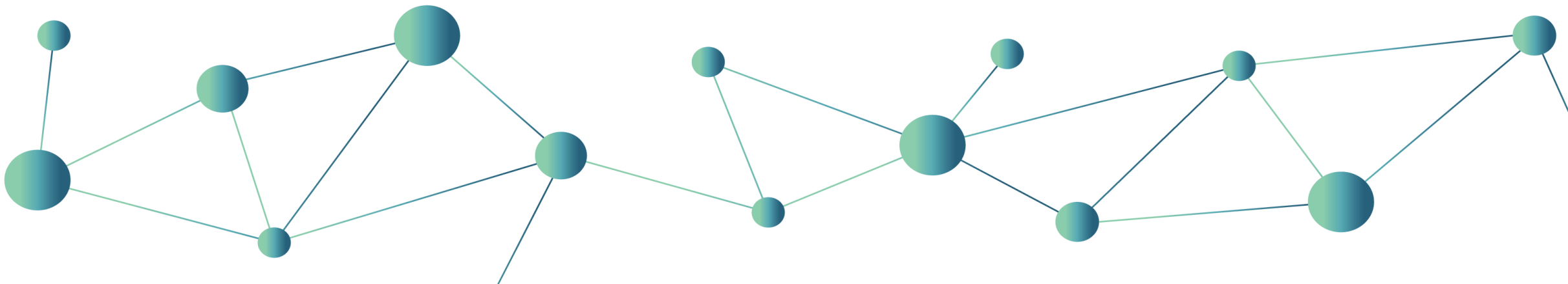
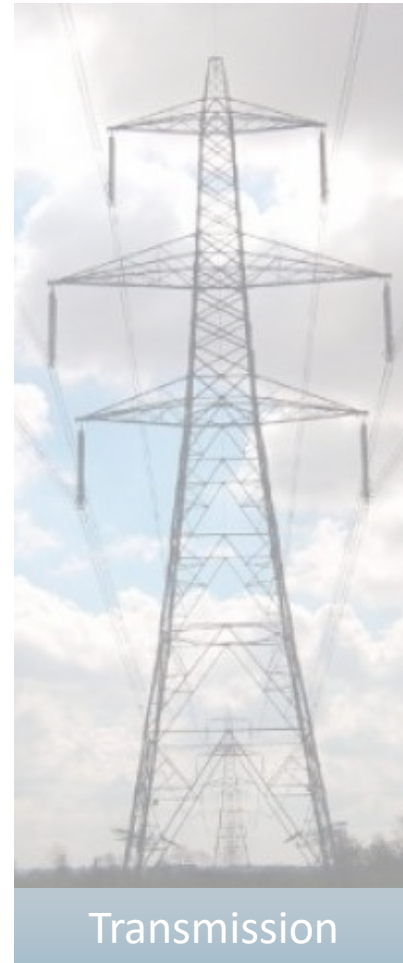
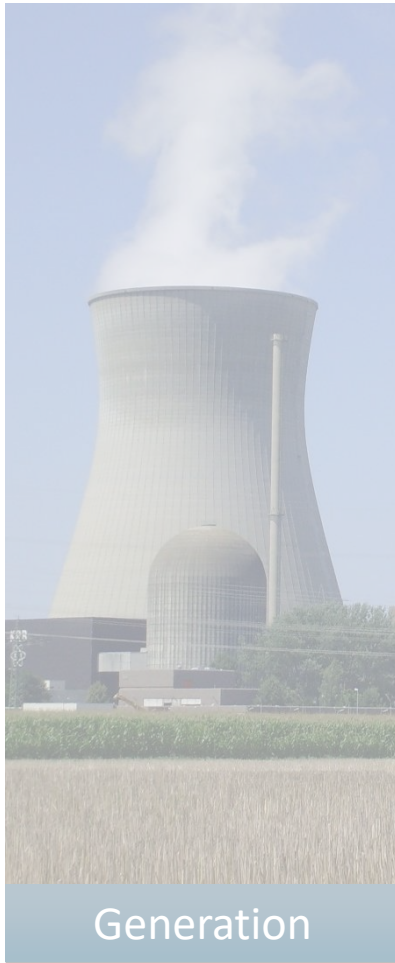


SHAPING SMARTER GRIDS FOR YOUR FUTURE

**The trusted voice of Distribution System Operators in Europe**



# E.DSO represents power distribution companies



E.DSO is the only **100% DSO, 100% electricity** association at EU level

# E.DSO Members



41 Distribution System Operators, including 2 Associations

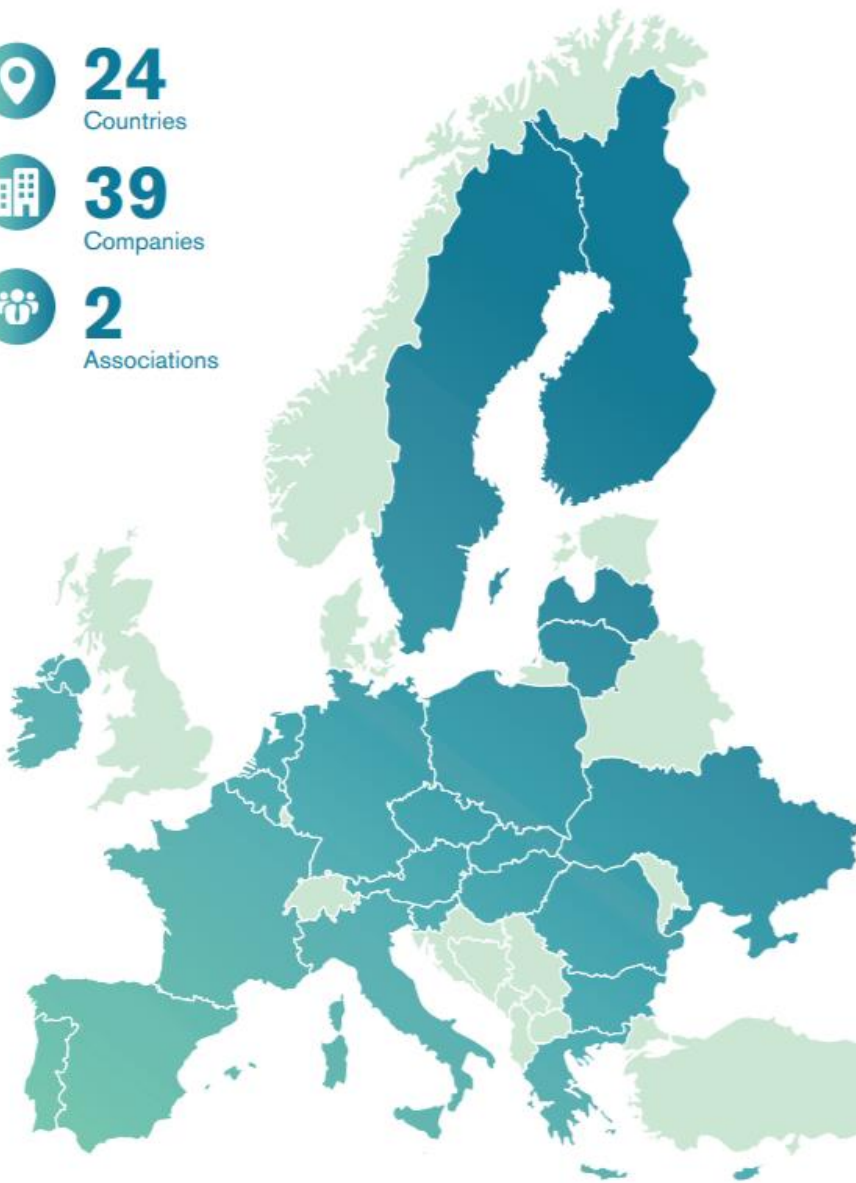


>350 million Customers



7 million kilometres of distribution lines

# E.DSO in figures and map



AT	Energienetze Steiermark Netz Niederösterreich
BE	Fluvius ORES
CY	Electricity Authority of Cyprus
CZ	ČEZ Distribuce PREDistribuce
DE	E.ON EWE Netz innogy Netze BW Rheinische NETZ Gesellschaft
ES	e-distribución E-REDES i-DE UFD Viesgo Distribución Eléctrica
FI	Caruna
FR	ENEDIS
GR	HEDNO
IE	ESB Networks
IT	areti e-distribuzione
LT	Energijos Skirstymo Operatorius
LV	Sadales tīkls
NL	Alliander Enexis Netbeheer Nederland STEDIN
PL	Enea Operator Energa Operator PGE Dystrybucja
PT	EDP Distribuição
RO	e-distributie Banat e-distributie Dobrogea e-distributie Muntenia
SI	SODO
SE	Vattenfall
UA	DSO(E) DTEK GRIDS
UK	NIE Networks



**Founded in 2010**



**12 full-time staff in E.DSO Secretariat**



**Participation in 12 EU-funded research projects**



**Participation in all EU expert groups in Smart Grids (SGTF, ETIP SNET, TSO/DSO Platform)**

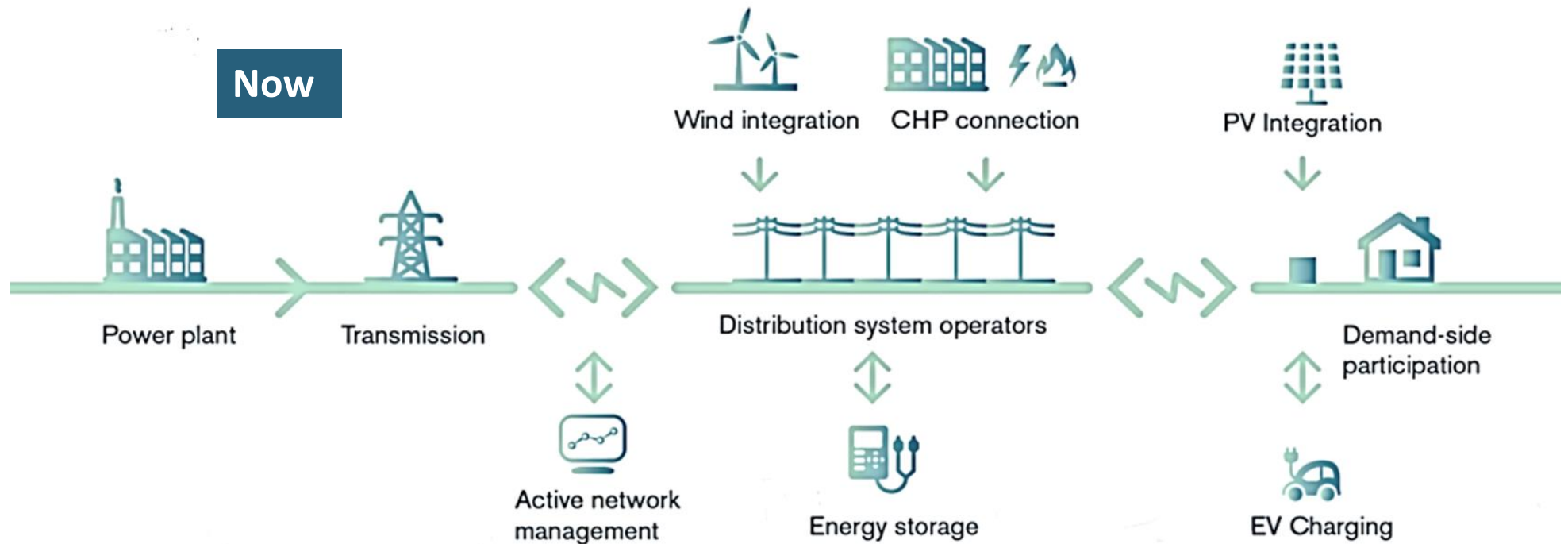


# Energy transition: a network's perspective

**Before**







**Now**



# Roles of DSOs in a transitional environment

## Traditional roles

-  Network Planning, management, operation
-  Customer connection
-  Metering
-  Quality of supply

## Recent/future roles

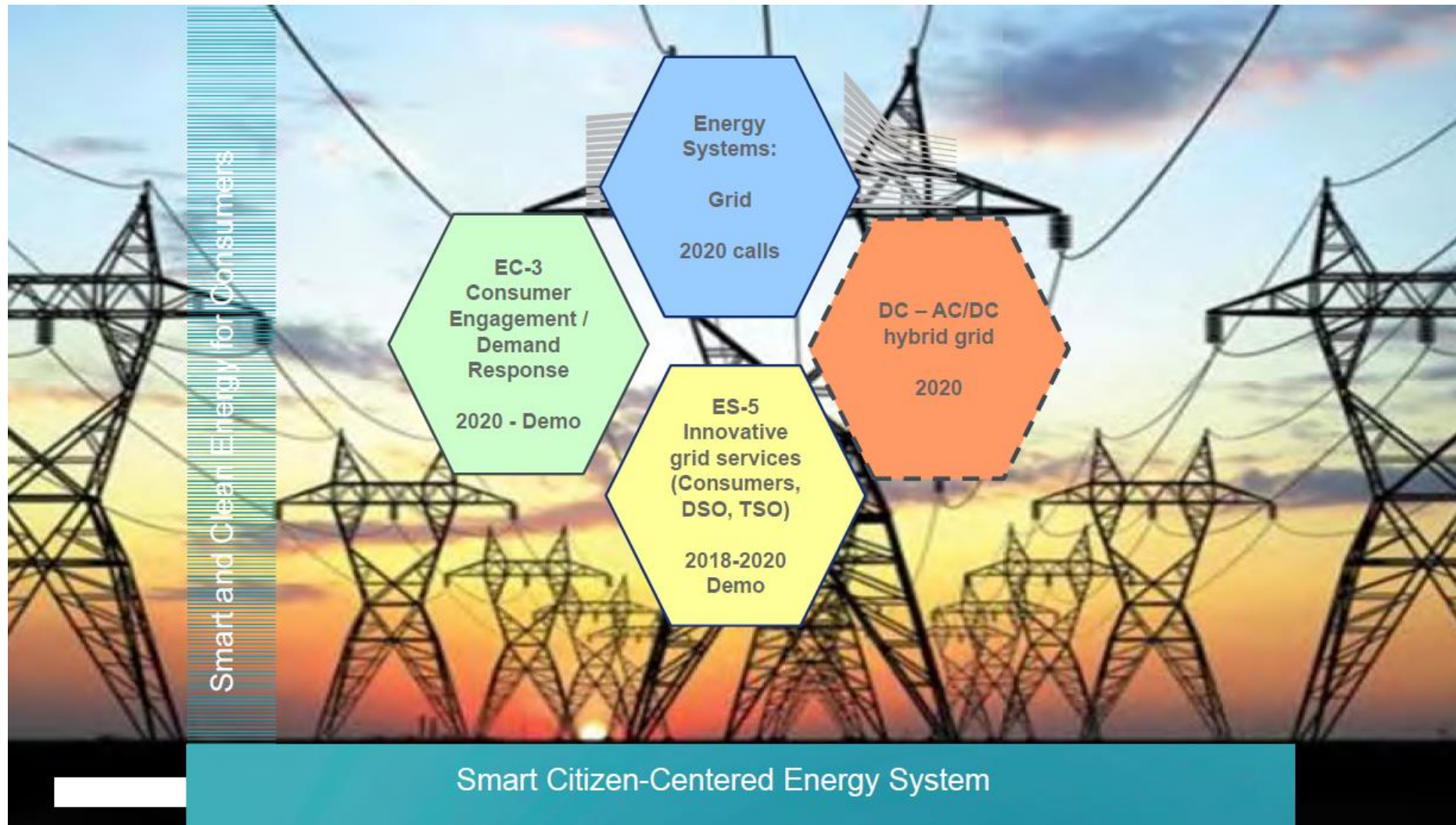
-  Digitalization
-  LEC + RES connection
-  New business models
-  Big data management and third party access
-  New market players and flexibility market evolving



# Key Principals of E.DSO Project Involvement

- Knowledge sharing
- Neutral market approach
- Customers value added orientation
- Respect to members specific conditions

# Horizon Calls





Thank you for attention!