

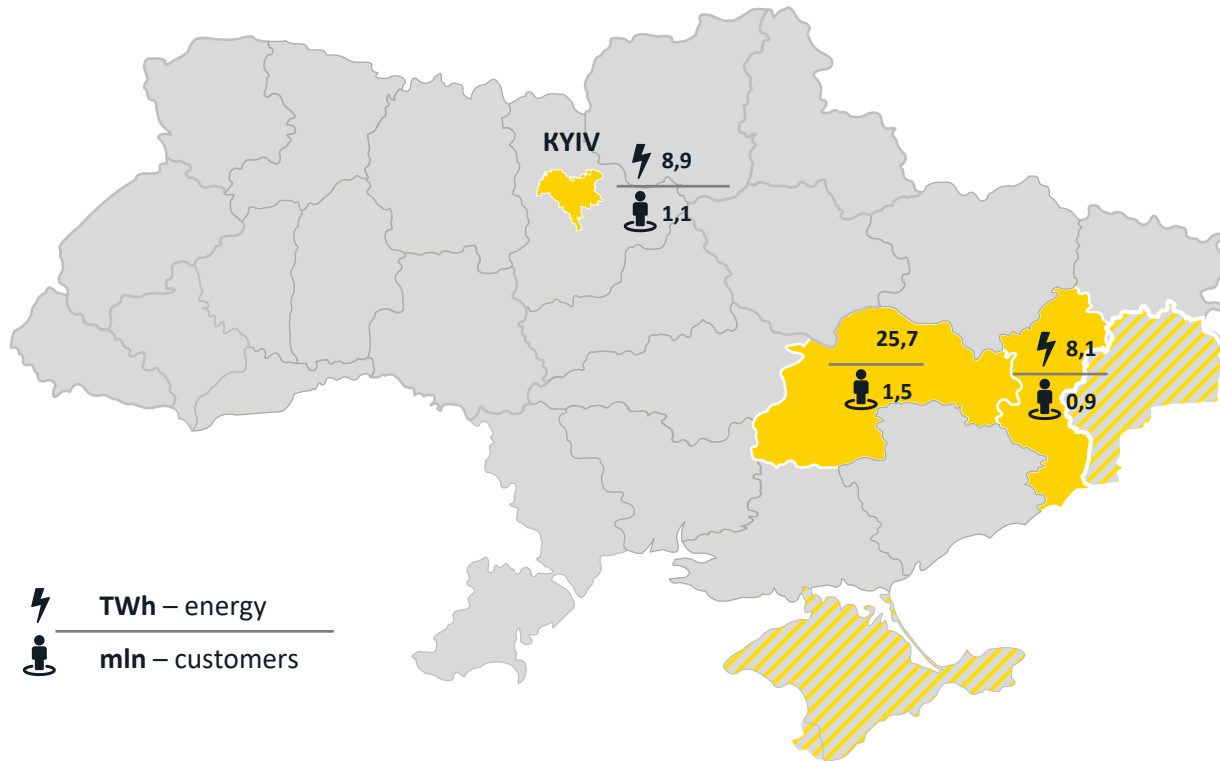
Digital Transformation DSO DTEK GRIDS

DEVELOPMENT DIRECTIONS

Энергия
в действии

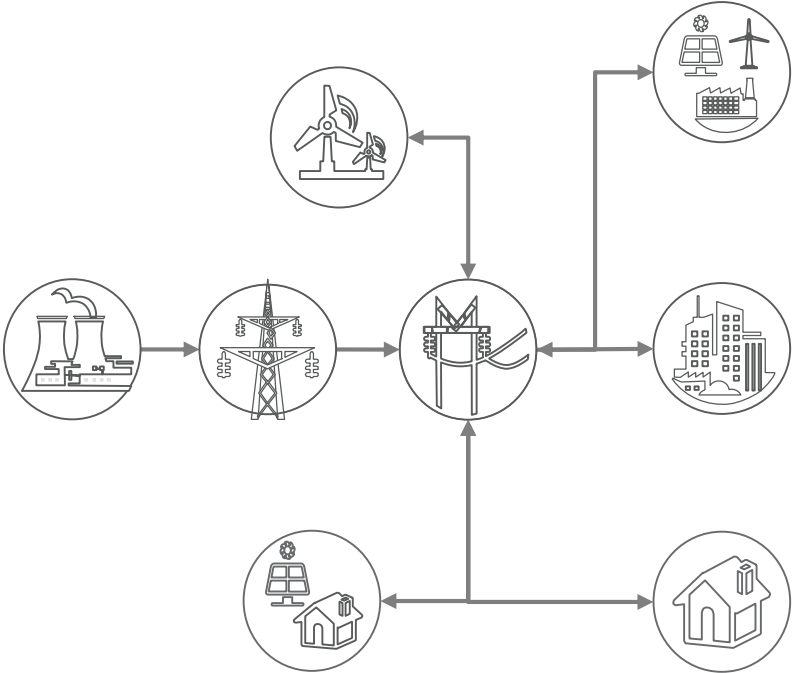
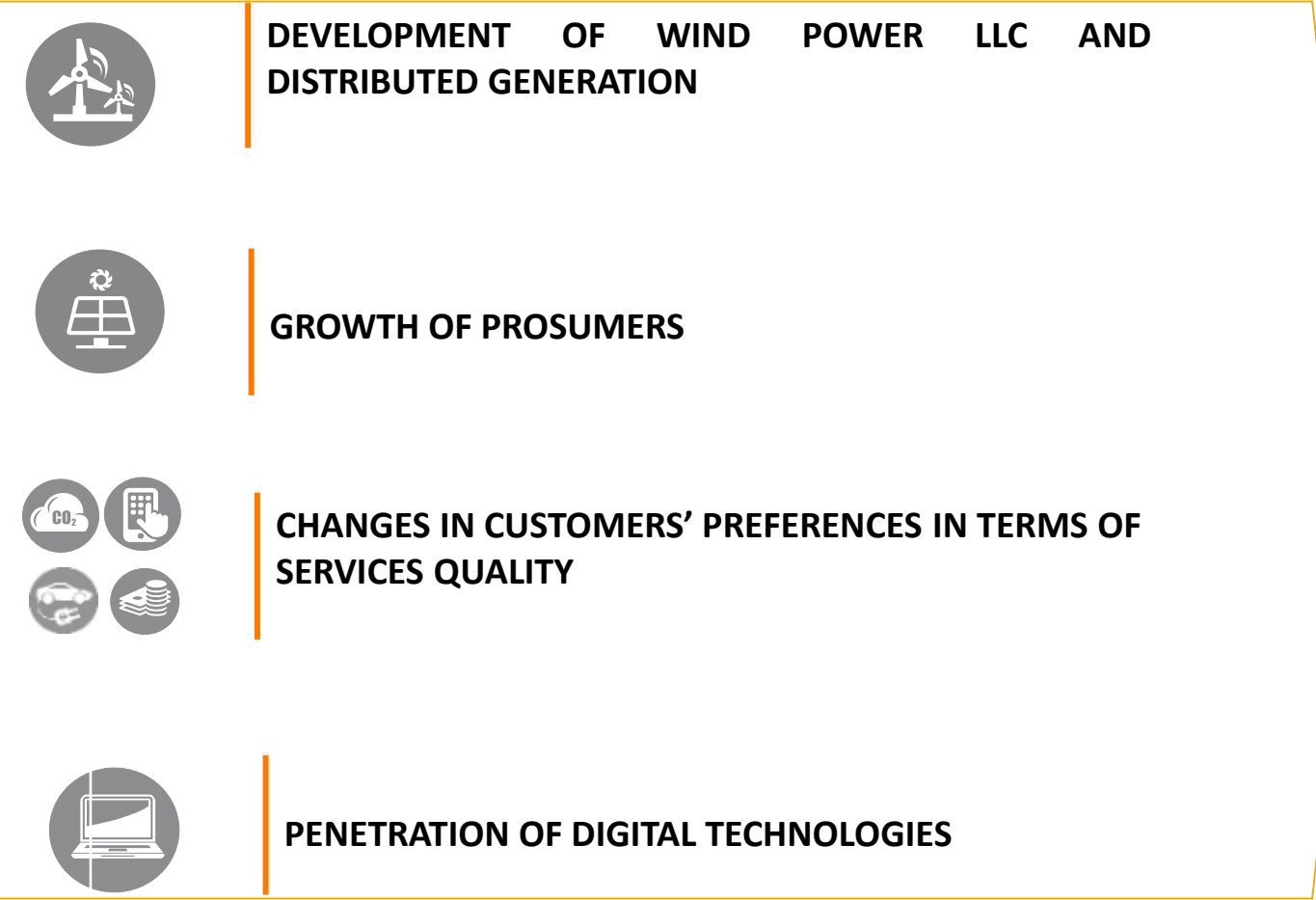


DTEK GRIDS. Market position



- 5 distribution companies, 3.5 mln. separately metered consumers (market share 22%)
- Electricity distribution – 43.2 bln kWh (market share 33%)
- Total length of distribution lines – 99.1 ths km

Trends in the changes of market rules form the requirements for the role of DSO



Key objectives and elements of DTEK Grids digitalization

Increased reliability, flexibility and operational effectiveness of the network

Development of customer service and interaction with market participants

Increased production safety

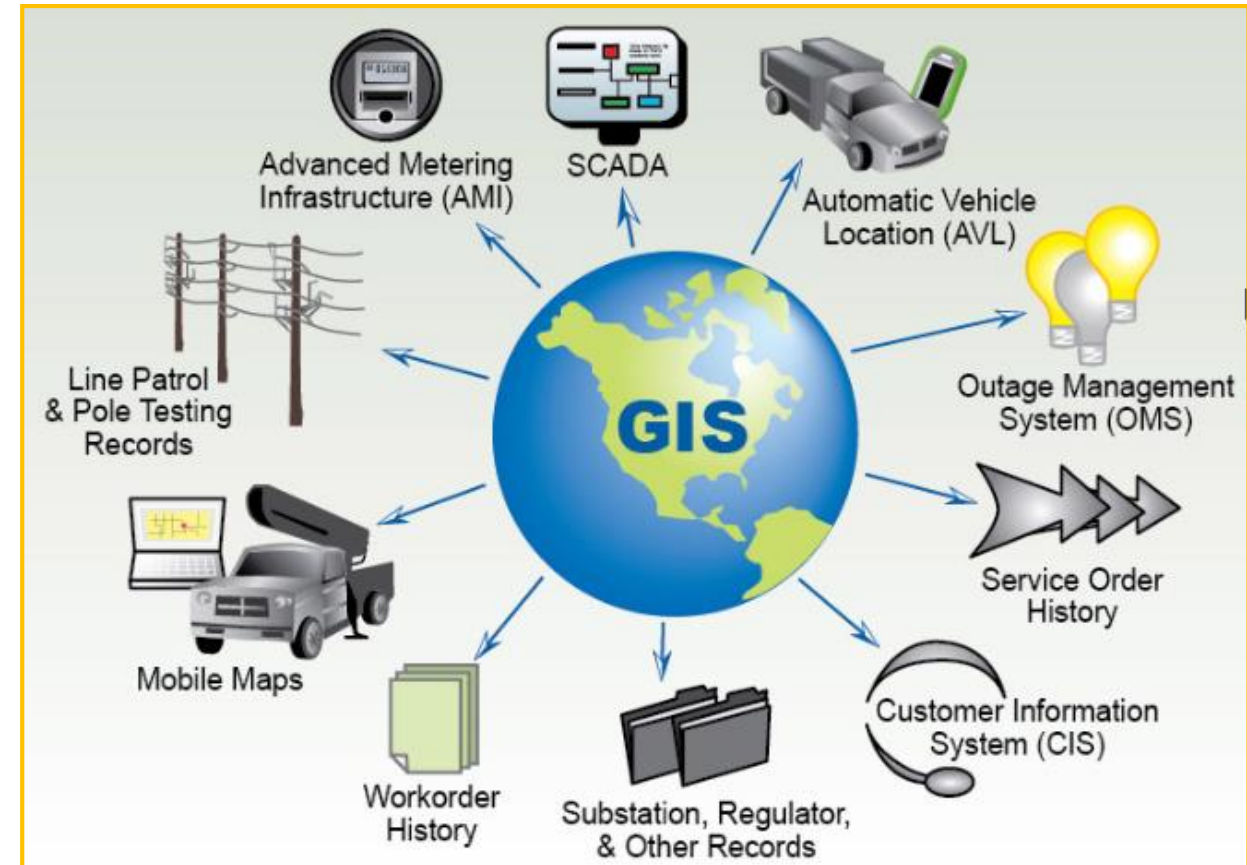
MAIN SPHERES OF CHANGES:

- **DIGITALIZATION OF NETWORK STATUS DATA**
- **DIGITALIZATION OF PROCESSES**
- **IN-DEPTH ANALYTICS AND INTELLIGENT SYSTEMS**

GIS and digitalization of the network status data – one of the first priorities in digital transformation

Priority directions of digitalization in 2019-2020:

- Completion of GIS implementation
- Digitalization of the network status data
- Implementation of the maintenance brigade management platform
- Development of the predictive model of electricity consumption forecast
- Development of the digital communications with clients platform



WHAT IS DONE?

- In Kyiv Grids the GIS has been introduced. The implementation of GIS in Dnipro and Donetsk regions is in process.
- The map of the Kyiv Grids electrical networks has been placed on the website in the personal account on network connections.
- In Kyiv Grids the personal account on network connections has been automatized. This allows clients to apply for and get the technical terms in the online service.
- In Kyiv Grids the software for scheduling customer requests for work with metering devices and digital brigade route planning has been created.

WHAT ARE OUR PLANS?

- Implementation of GIS in Dnipro and Donetsk regions.
- Digitalization of the maintenance brigades to reduce the duration of interruptions in the power supply to customers.
- Development of remote monitoring system of the network (SCADA-NMS)



Thank you!