Digital Transformation
DSO DTEK GRIDS

DEVELOPMENT DIRECTIONS
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

**DEVELOPMENT OF WIND POWER LLC AND DISTRIBUTED GENERATION**

**GROWTH OF PROSUMERS**

**CHANGES IN CUSTOMERS’ PREFERENCES IN TERMS OF SERVICES QUALITY**

**PENETRATION OF DIGITAL TECHNOLOGIES**
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 predicative 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!