DIGITAL TRANSFORMATION OF IDGC OF SIBERIA

MAP OF DIGITAL PILOT PROJECTS

KRASNOYARSKENERGO
Emelyanovsky Regional Power Grids
318 mln rub.

Molodezhnaya substation of 110 kV 408 mln rub.

KUZBASSENERGO REGIONAL POWER GRIDS

Topkinsky Regional Power Grids

Novo-Chertinskaya substation of 110 kV 339 mln rub.

OMSKENERGO

City Regional Power Grids

130 mln rub

Crystall substation of 110 kV 440 mln rub.

Omsk Substation of 35 kV 170 mln rub.

ALTAYENERGO

Pavlovsky Regional Power Grids

183 mln rub.

Prudskaya Substation of 35 kV

GORNO-ALTAY POWER GRIDS

Mayminsky Regional Power Grids

116 mln ruh

KHAKASENERGO Ust-Abakan Regional Power Grids

Jst-Abakan Regional Power Grids .126 mln rub TYVAENERGO Kaa-Khemsky Regional Power Grids BURYATENERGO Pribaykalsk Regional Power Grids CHITAENERGO
Chitisnky Regional
Power Grids
144 mln rub.
Verkh-Chita substation

of 35 kV 60 mln rub.

6 → 2018-2022 digital substations

9 → 2018-2020 digital districts of power grids

3.4

bln rub. of investments to Siberian Federal District

DIRECTION OF DIGITAL TRANSFORMATION

2018 2019 2020-2024 2025-2040 Expenses, mln rub Intellectual accounting 34% 26% 50% 100% (2 400) (14000)(1915)(4500)**Grid automatization** 14% 17% 65,1% 100% (2000)(3900) $(10\ 100)$ (330000)**Integrated management** 18% 31% 67% 100% (500)(18000)(350)(4300)

STATUS OF DIGITAL TRANSFORMATION



Digital transformation 2030

Development of program "Digital transformation 2030"

- Design initiatives
- •Efficiency indicators

transformation 2040"

- •Goals of Company
- Transformation of Business Processes
- •Milestones and KPI
- Project portfolio

PROJECTS

Digital centre of grid management 240 mIn rub. of

investments

Digital substation named after M.P.Smorgunov

 $340\,$ mIn rub. of investments

AT A STAGE OF IMPLEMENTATION: **Digital substation** "Molodezhnaya"

> **346** mln rub. of investments

IN 2019 KRASNOYARSK WILL BECOME THE FIRST CITY IN RUSSIAN WITH TWO DIGITAL SUBSTATIONS

