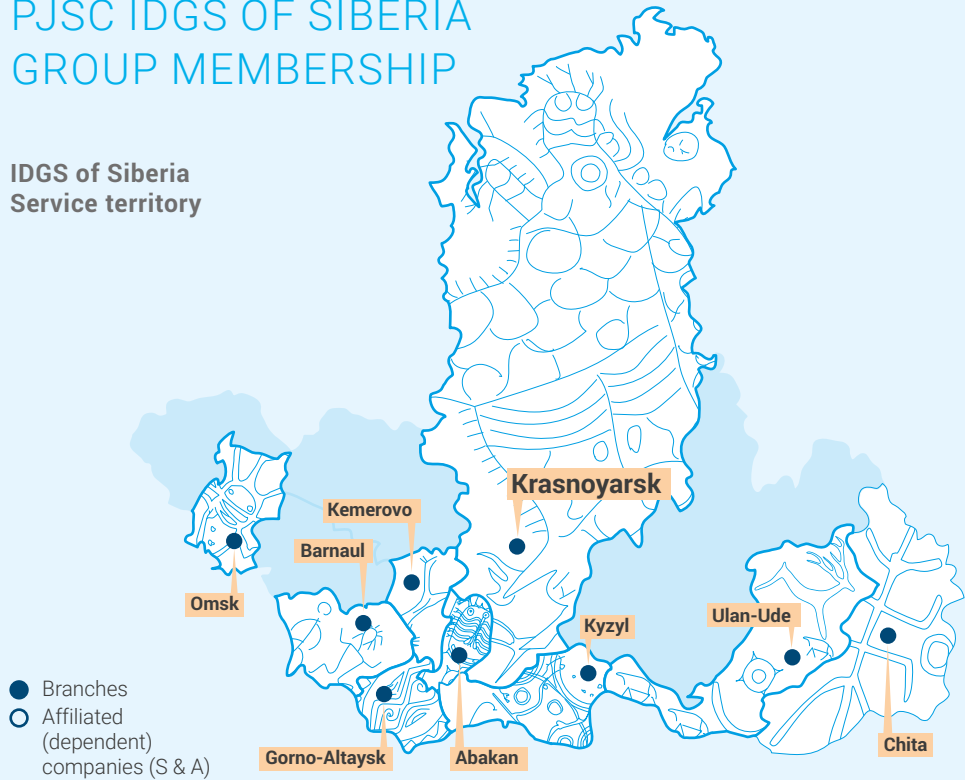


Material and Technical Base

PJSC IDGS OF SIBERIA GROUP MEMBERSHIP

IDGS of Siberia
Service territory



- Gorno-Altayskiye Capacity Grids



- Kuzbassenergo – Regional Electric Grids



- Khakasenergo



- Altaienergo



- Omskenergo
- Sotsfera JSC



- Chitaenergo



- Buryatenergo



- Krasnoyarskenergo
- JSC Sibirelektrosetservis
- JSC ESC Siberia



- JSC Tyvaenergo

The power system of IDGC of Siberia includes overhead and cable power lines, as well as transformer substations of different voltage classes and reserve capacity to ensure reliable capacity supply in emergency situations. All power facilities are included in the centralized system of operational - dispatch control.

THE TOTAL LENGTH OF 0.4-110 (220) KV POWER LINES OF THE COMPANY ALONG THE HIGHWAY IS

250.3 thsd. km

THE TOTAL NUMBER OF 35-110 KV TRANSFORMER SUBSTATIONS AND 6-10-35 / 0.4 KV TRANSFORMER SUBSTATION

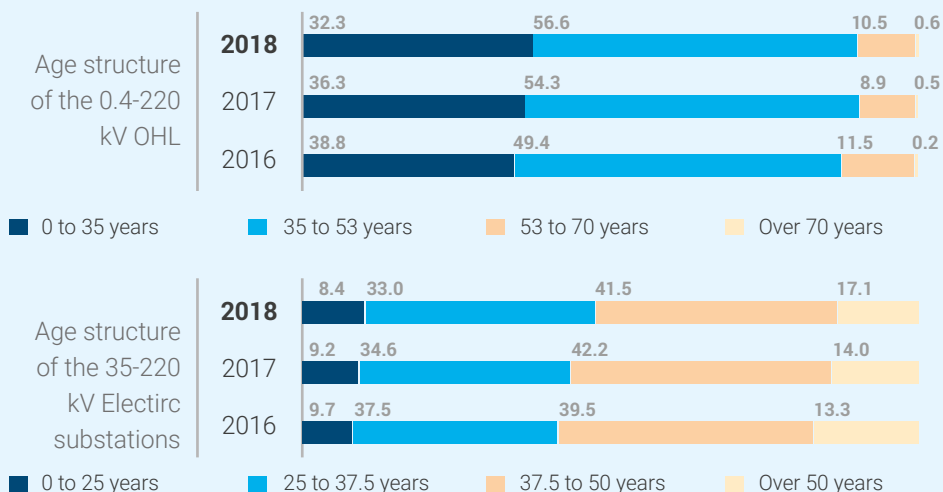
>51 pcs.

General characteristics of the transmission capacities for 2016 - 2018.

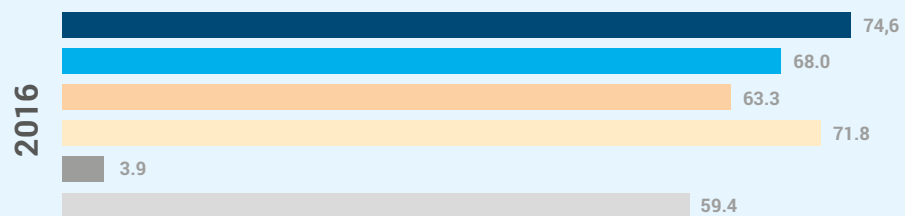
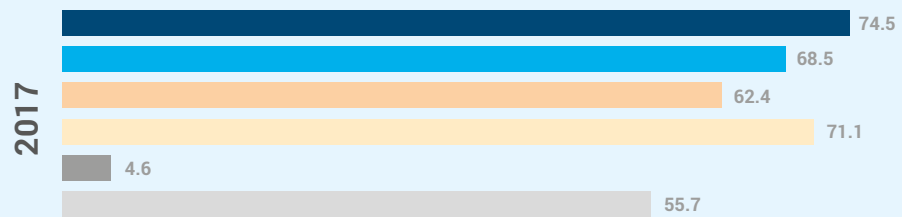
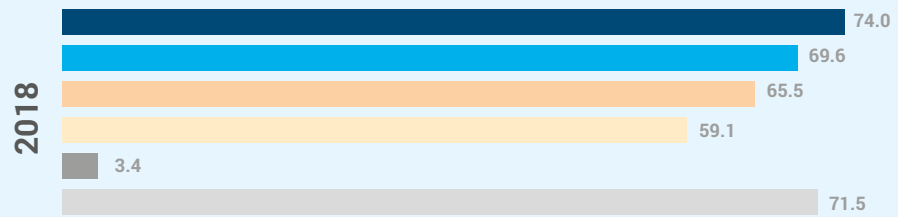
Asset type	2016	2017	2018	Δ, %
The length of the 0.4-220 kV OHL circuits, km.	244,589.0	244,567.7	245,448.3	0.36
The length of the 0.4-110 kV CL circuits, km.	5,647.2	5,728.0	6,059.1	5.78
Number of 35-220 kV Electric substations, pcs.	1,744	1,748	1,750	0.11
Capacity of the 35-110 kV Electric substations, MVA	30,075.9	30,279.0	30,653.5	1.24
Number of 6-35 / 0.4 kV, pcs.	48,829	49,833	51,332	3.01
Capacity of 6-35 / 0.4 kV Trasforming substations, MVA	11,479.9	11,529.9	11,591.6	0.54
The scope of service, thousand c.u.	1,498.2	1,525.2	1,562.5	2.45

TEAR AND WEAR OF GRIDS AND EQUIPMENT DOES NOT DIFFER BETWEEN THE REGIONS, THERE IS NO DISTINCT GRID SPECIFICITY BY REGIONS.

Age structure of the substations power lines and equipment, %



Technical grid condition, tear and wear of the equipment, %



THE COMPANY'S EFFORTS ARE AIMED AT OVERCOMING THE TENDENCY OF AGING OF KEY ASSETS ON ACCOUNT OF THEIR MODERNIZATION, THE USE OF INNOVATIVE EQUIPMENT AND TECHNOLOGIES FOR RECONSTRUCTION, ELECTRIC GRIDS TECHNICAL RE-EQUIPMENT AND CONSTRUCTION.

TEAR AND WEAR OF THE EQUIPMENT
DECREASED BY

0.7 items