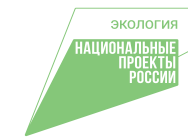




National Project: SAFE AND HIGH-QUALITY MOTORWAYS

Geographical spread of projects:
Krasnodar Territory, Penza, Lipetsk,
Ryazan Region, Tomsk Region



National Project: ECOLOGY

Geographical spread of projects:
Krasnodar Territory, Leningrad Region, Smolensk
Region, Yaroslavl Region, Kaliningrad Region

PJSC Rosseti Kuban

Project	Construction of a new high-speed motorway to the Kerch Strait crossing
Work done	Five 10/0.4 kV integrated cubicle transformer substations were designed and built; the 10 kV switchgear was designed and built with installation of 2 line cubicles at Raduga 110/10 kV substation, as well as 10 kV feeder PTLs with a total length of more than 6 km was built
Outcome	Connected capacity totalled 376 kW

PJSC Rosseti Volga

Project	Reconstruction of a motorway, which is the shortest route for cargo and passenger transportation from the airport to the federal road R-208 (Tambov – Penza), thus bypassing Penza downtown
Work done	10 kV OTL was built and 10 kV integrated transformer substation was installed
Outcome	Outdoor lighting of the motorway with a total capacity of 38 kW was connected

PJSC Rosseti Kuban

Project	Grid connection of solar power plants in the Labinsky district of the Krasnodar Territory
Work done	Yasnaya 110/10 kV substation was built with installation of one 40 MVA transformer and arrangement of incoming lines of 110 kV OTL
Outcome	The power plant will generate more than 50 million kWh per year. This is enough to cover the entire power consumption of the Labinsky district, or about 30,000 families

PJSC Rosseti Lenenergo

Project	Construction of charging infrastructure facilities for fast charging of electric vehicles with a capacity of 150 kW and the ability to charge two electric vehicles simultaneously
Work done	Installation of 6 electric charging stations (ECS) was completed
Outcome	Now, including new charging stations, the number of ECSs at PJSC Rosseti Lenenergo totals 73, of which 62 are for fast car charging

PJSC Rosseti Centre

Project	Renovation of the motorway along 50 Let NLMK street in Lipetsk
Work done	Two 10 kV cable lines were rearranged (789 m were laid). Six 110 kV cable lines were rearranged to protect the existing 110 kV cable line (600 m), routing of 16-fibre FOCL (1,118 m) and 8-fibre FOCL (2,213 m)
Outcome	Land plot was cleared off of PJSC Rosseti Centre power grid facilities

PJSC Rosseti Centre and Volga Region

Project	Heavy resurfacing of the Taradei – Kuliki – Fedosovo motorway in the Shatskiy district of the Ryazan region
Work done	0.4 kV OTL (228 m long) was rearranged; 10 kV OTL (67 m) was rearranged; 14 towers were dismantled and re-installed
Outcome	The motorway complies with regulatory requirements

PJSC Rosseti Centre

Project	Construction of a water treatment plant in the village of Bogoroditskoye, Kozinskoe Rural Settlement, Smolensk district of the Smolensk Region
Work done	Grid connection of the facility completed. Connected capacity is 0.2 MVA. PTL length is 1.03 km
Outcome	The project provided the settlement (Bogoroditskoye village) with a centralised water supply system of adequate quality

PJSC Rosseti Centre

Project	Construction of a water treatment plant with a capacity of 1000 cu.m per day in Novy Nekouz settlement, the Yaroslavl Region
Work done	Grid connection of the facility completed. Connected capacity is 0.5 MVA. PTL length is 1.42 km
Outcome	The construction of the water treatment plant will improve the quality of drinking water through multi-stage water treatment, including deferrisation, filtration, and disinfection

PJSC Rosseti Centre and Volga Region

Project	Construction of motorway Knyazevo – Topily in Skopinsky and Miloslavsky districts of the Ryazan Region
Work done	Works on rearrangement of electrical grids, dismantling and installation of towers were carried out
Outcome	The motorway complies with regulatory requirements

PJSC TDC

Project	Construction of an automatic in-motion weight and size check station at 273 km of the Tomsk – Kargala – Kolpashevo motorway in the Kolpashevsky district of the Tomsk Region
Work done	Grid connection with 10 kW maximum power of consumer terminals was made
Outcome	New traffic light systems, as well as automatic weight and dimensional check systems were installed

JSC Rosseti Yantar

Project	Production facility in the Chernyakhovsk Industrial Park, Kaliningrad Region
Work done	28 MW of power was provided
Outcome	Russia's largest solar energy equipment manufacturing facility will open in the Chernyakhovsk Industrial Park, producing more than 1 GW of silicon wafers per year. This will double the green energy production in Russia

JSC Rosseti Yantar

Project	Construction of new electric charging stations
Work done	Installation of 4 fast ECSs (150 kW capacity) was completed
Outcome	The Company's operational responsibility zone includes 11 ECSs located in coastal resort towns and in large cities close to the eastern border of the Kaliningrad Region

JSC Rosseti Siberia

Project	Conversion to electric heating of private sector dwellings in Ulan-Ude as part of the Clean Air federal project
Work done	Work was started to develop project documentation for the Left Bank zone of Ulan-Ude, and a suitable type of electric heating equipment was determined. A house was converted to electric heating as a pilot project
Outcome	Work has started on the project in the Left Bank zone of Ulan-Ude, including a pilot project on the Left Bank, which includes three dacha condominiums with 1,852 households. This will reduce the environmental impact and improve the ecological conditions, including the amount of pollutant emissions into the atmosphere