

Nizhyn's Winter Readiness





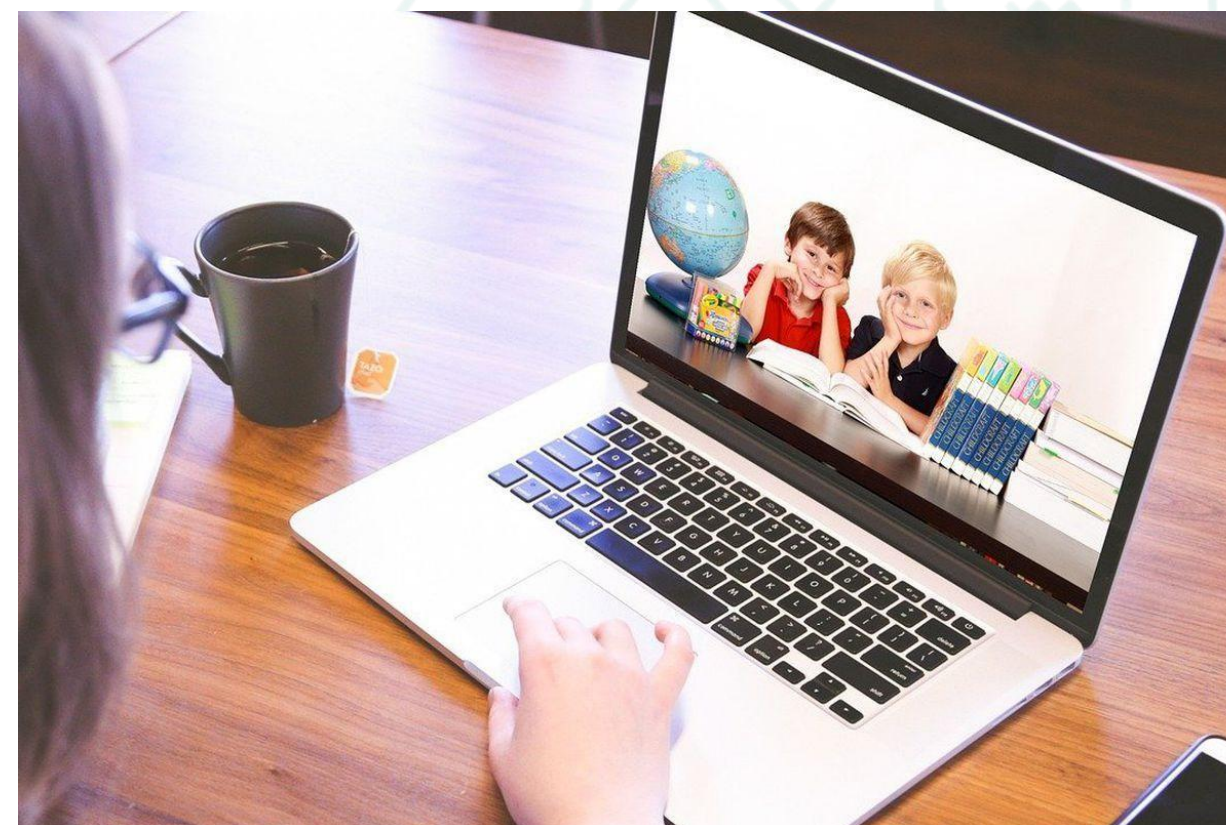
Population $\approx$ 70,000

Area = 110,6

Internally displaced persons $\approx$ 2,200



The results of Russian attacks on the infrastructure



Children in Nizhyn are forced to study online due to the obstacles that have arisen.



The Nizhyn team that fights challenges in the sphere of energy



The international support received in Nizhyn



The assistance that was crucial during this time

To power essential infrastructure for just **one day**, we need around **20 tons of fuel**, which costs approximately **€25,000**. These expenses are enormous for the local budget, especially under constant attacks and logistical disruptions.

High-capacity generators:

Trailer-mounted three-phase generators:

100 kW — 1 unit; 150 kW — 1 unit; 200 kW — 1 unit; 220 kW — 1 unit;
250 kW — 1 unit.



Cogeneration systems: 1 MW — 3 units

Modern energy storage systems (to keep hospitals, boiler houses, and water/wastewater services running during blackouts):



Energy Storage (ESS) capacities

Water Utility: 2000 kWh × 3; 1000 kWh × 4; 100 kWh × 15; 50 kWh × 10; 30 kWh × 6.

Central City Hospital: 1500 kWh × 2; 1000 kWh × 2.

District Heating (DH): 50 kWh × 1; 100 kWh × 1; 150 kWh × 1; 300 kWh × 3; 400 kWh × 1; 430 kWh × 2; 580 kWh × 3; 2100 kWh × 1.



Hybrid inverters (PCS) paired with ESS

Victron 48/5000 — 5 units

DEYE SUN-8K-SG01LP1-EU — 3 units

DEYE SUN-GK-SGO4LP3-EU — 4 units

DEYE SUN-10K-SG02LP1-EU AM3 — 1 unit





Thank you!



**International relations and Investment department of
Nizhyn City Council
+380688138996
nizhyn_invest@ukr.net**