

Futuready



### **BGV Graphite**

Zavalievsky deposit is the largest in Europe. The ores of the Zarichne, as well as of other sites within the Zavalya, are monoelement and characterized by a very low content of associated harmful components. Balahovskoye graphite deposit is confined to the northern part of the West Ingulets fault zone. The mineral and technological type of ores is similar to Zavalya ones.



Graphite constitutes a unique set of properties, accredited to its molecular structure, making it an essential material for multiple applications:

lubricant



of Carbon







Once intercalated expands many-fold at onset temperature



Only non-metallic conductor

Sustain temperatures of >3000\*C



Graphene is an atom layer of flake graphite

Given unique molecular characteristics, graphite is a material with a unique set of properties, making it the preferred and mostly non-replaceable choice in various industries, products and applications. Though, it is a nonmetal, it has unique properties of both metal and non-metal.

**GLOBAL GRAPHITE MARKET** is expected to reach **\$21.6 Billion by 2027** growing at CAGR of 5.3% (2020-2027).





## Zarichna Graphite Deposit Odessa Region, Ukraine

The graphite ore deposit, the Zarechny site, is located in the Odessa region, Savransky district. At a distance of 3.5 km from the deposit the Zavalyevsky Graphite Plant, which has been mining and processing graphite ore for 85 years, is located.



# Balahovskoe Graphite Deposit Kirovograd Region, Ukraine

The Balakhovskoye deposit of graphite ores is located 1.5 km from the village of Balakhovka, in the Petrovsky district of the eastern part of the Kirovograd region.



#### ZARICHNA GRAPHITE DEPOSIT RESERVES

### Zirconium dioxide **18 950/1 052.2 tmt**

#### C2 category 14 613/744.2 tmt

Average content of graphite

5.5%

#### BALAHOVSKOE GRAPHITE DEPOSIT RESERVES

The ore reserves of the license area to a depth of 150 m amounted to

### 43.000.000 tn

Carbon content

The reserves of the entire deposit **185.000.000 tn** 

Forecast resources 500.000.000 tn





THANK YOU FOR THE ATTENTION!