



There is no sustainable development without innovation

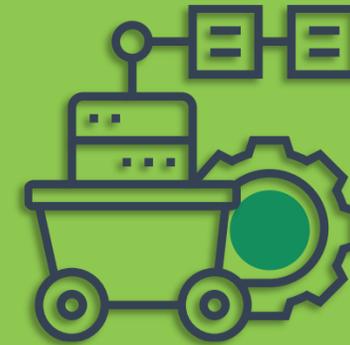
Seweryn Szwarocki

Director of Strategy and Sustainable Development

VISION



Innovative **multi-commodity concern** driving the green transition and ensuring the economic development of the Lublin Region



MISSION

Responsible and **sustainable development** based on mining competences

PILLARS OF THE STRATEGY

II

Multi-commodity
Concern



III

Guarantor
of Sustainable
Energy



IV

The Green
Transition



V

Future of the
Lublin Region



I

Efficiency Leader



3

EFFICIENCY TRANSITION



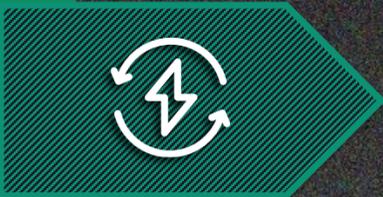
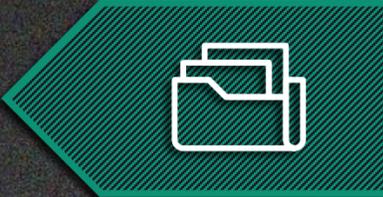
Estimated savings
resulting from the program are over
PLN 20 million
annually

Maintenance of
Operations



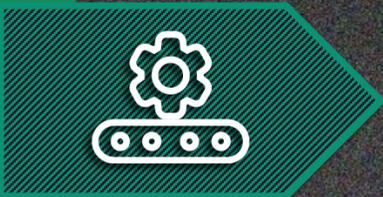
Digitalization

Optimization
of administrative
processes



Energy
Efficiency
of the Mine

Optimization
of investment and
procurement
processes

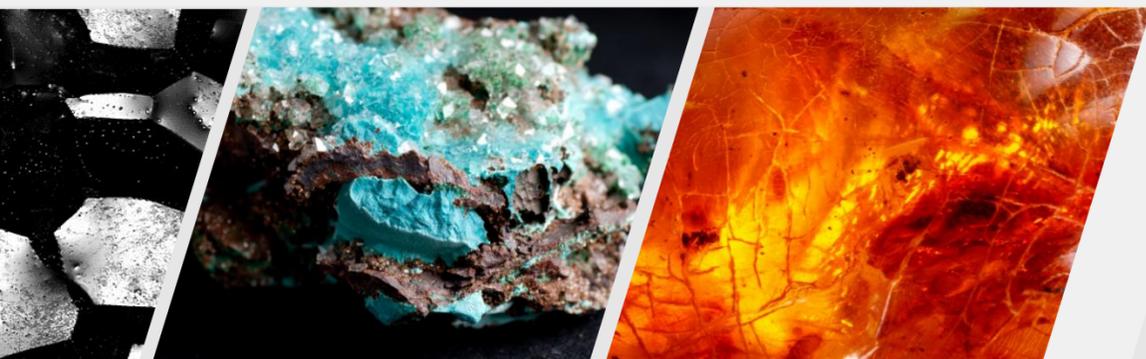


Optimization
of production
processes

Work
Organization



Optimization of
property
management



potassium and magnesium salts
coking coal

amber

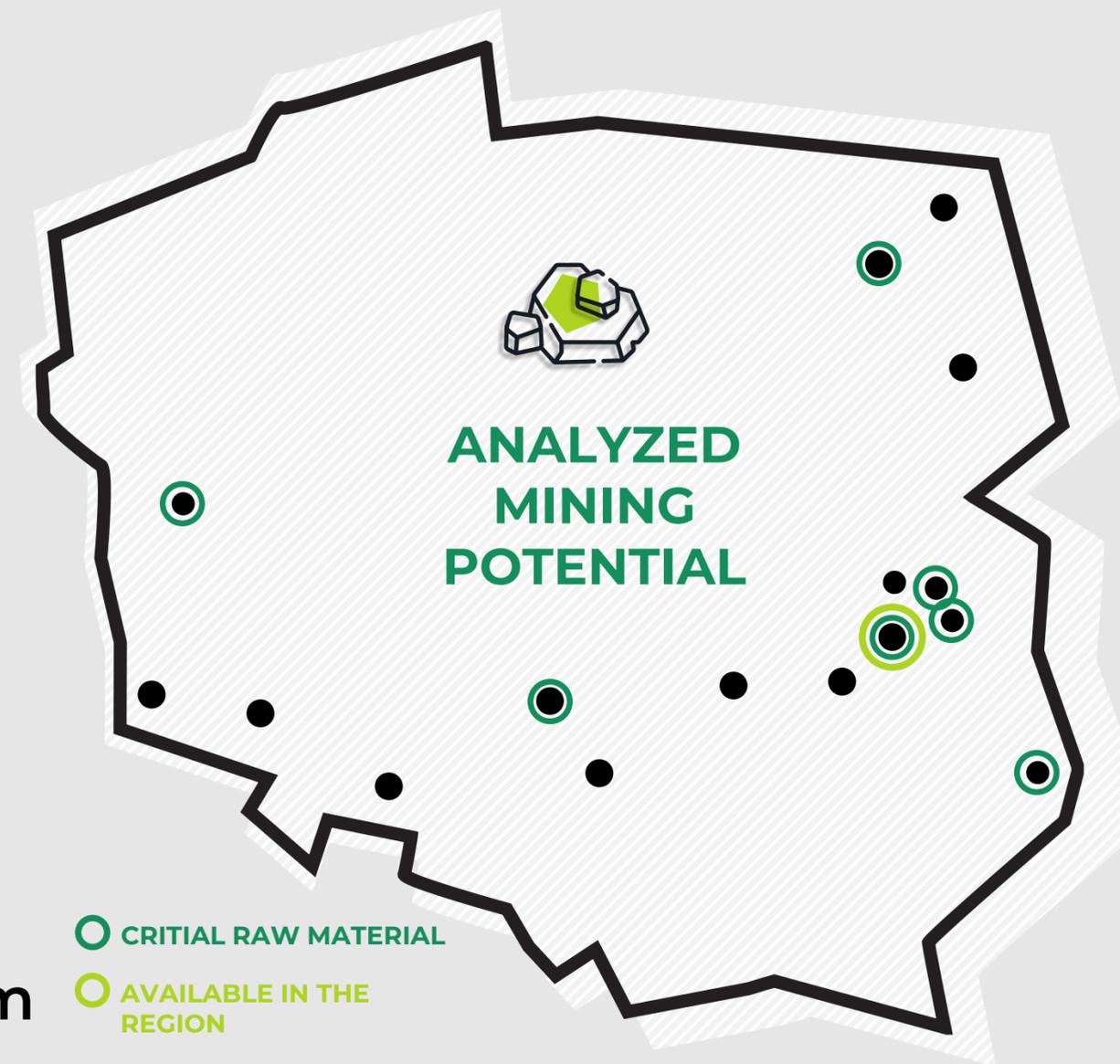
rock phosphates
rare-earth elements

gypsum

gold

ferrolites

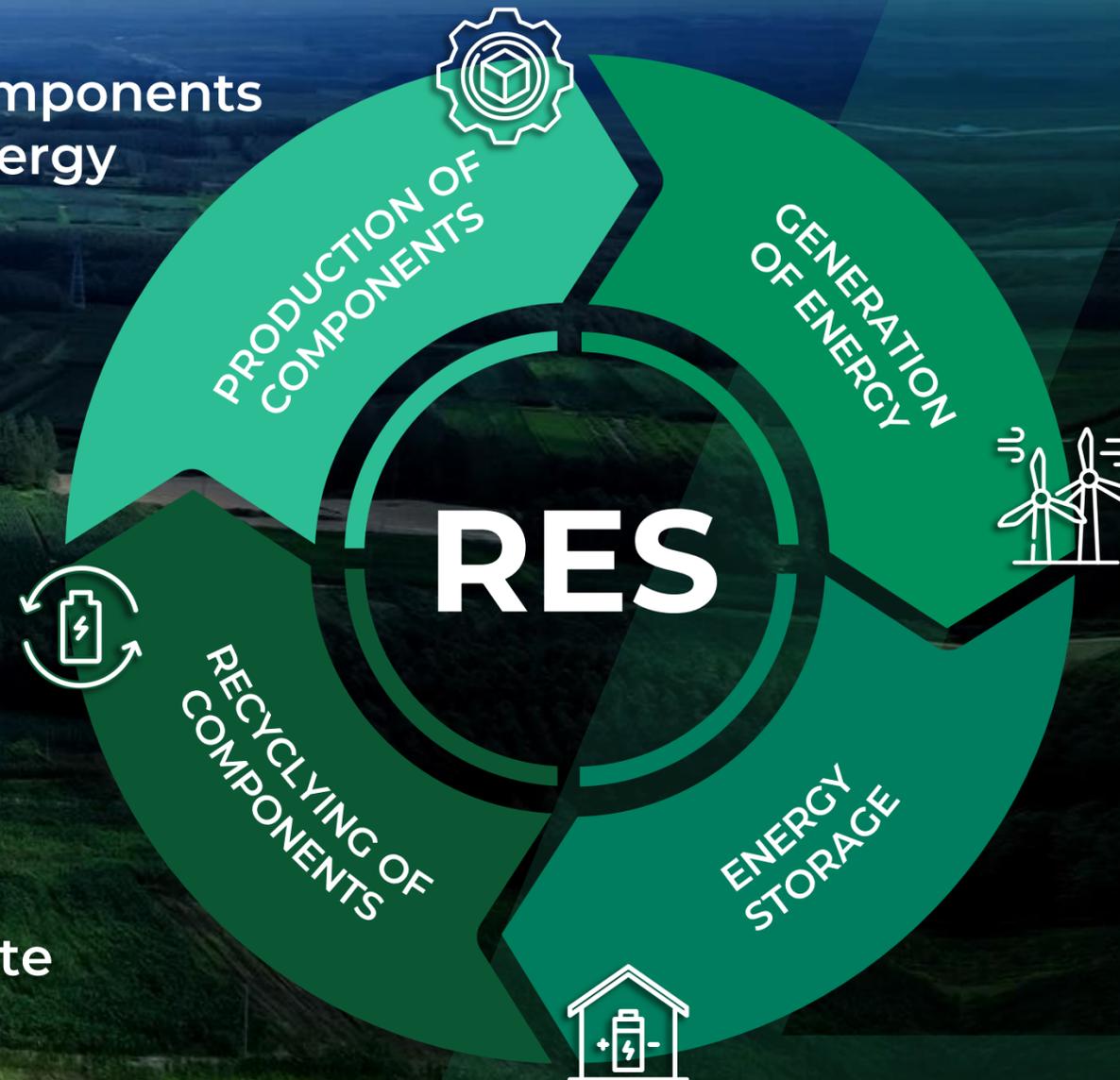
molybdenum and wolfram
with copper
zinc and lead
uranium



EXPLORATION WORKS
approx. PLN 50 mill

VALUE CHAIN OF RENEWABLE ENERGY SOURCES

10 production of components for renewable energy facilities



11 new scale of investment

energy stores (under initiative no. 11)

12 recycling of electric batteries

13 recycling of photovoltaic waste

MAIN DIRECTIONS OF ENVIRONMENTAL ACTIONS

14

CIRCULAR ECONOMY



Reducing resource consumption by implementing circular economy solutions

15

ENERGY EFFICIENCY



Increasing energy efficiency and reducing greenhouse gas emissions from mine operations

16

REGENERATION OF MINING AREAS



Regeneration of mining areas and removal of mining damages



FUNDING BOGDANKA

Main investment themes



FUNDING
approx. PLN 200
million



INVESTMENT TERM
5 years



VALUE CHAIN
supplementary
investment projects



REGIONAL CHARACTER
Lublin Region

- › mining technologies
- › alternative coal use
- › circular economy
- › energy storage
- › clean coal technologies
- › capture and storage of CO₂
- › emission-free heat
- › hydrogen



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