

# Nuclear energy industry and the global economic crisis

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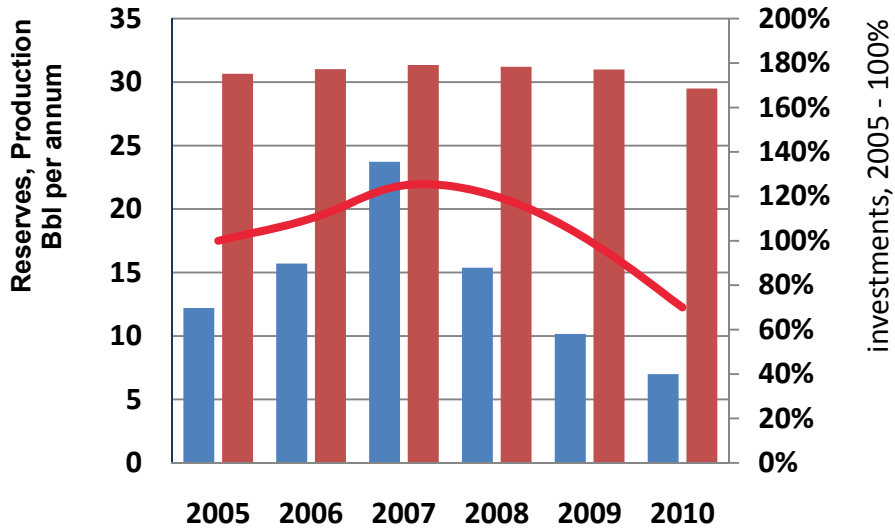
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# Energy: key factors

Global oil production, reserves, development



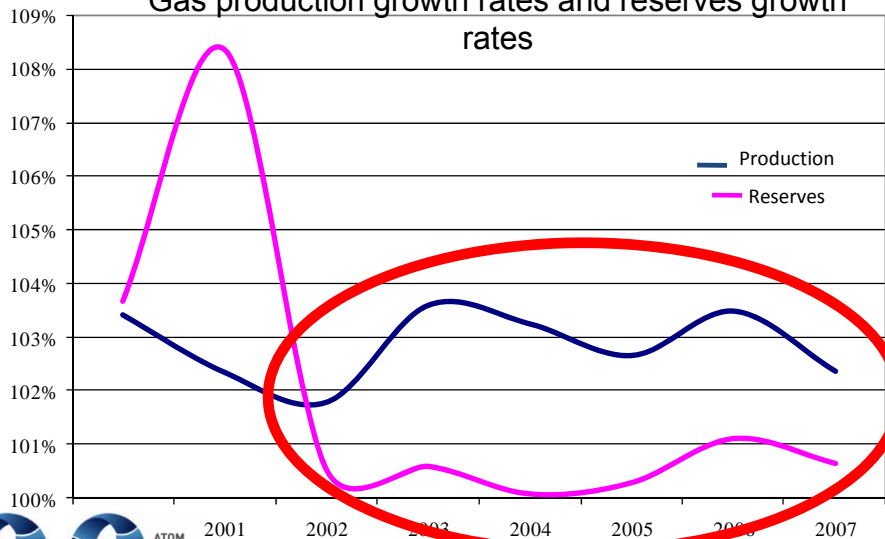
**During the last several years oil production growth exceeded oil reserves growth.**

**The drop of investment in exploration and production will create unbalance in the nearest future.**

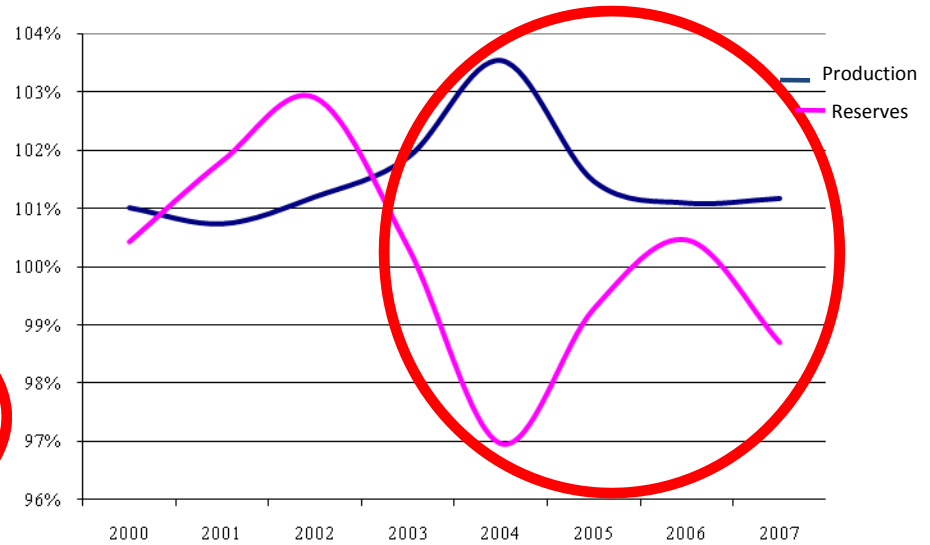
**Nuclear energy development has no alternative.**

Reserves growth Oil production Investments

Gas production growth rates and reserves growth rates

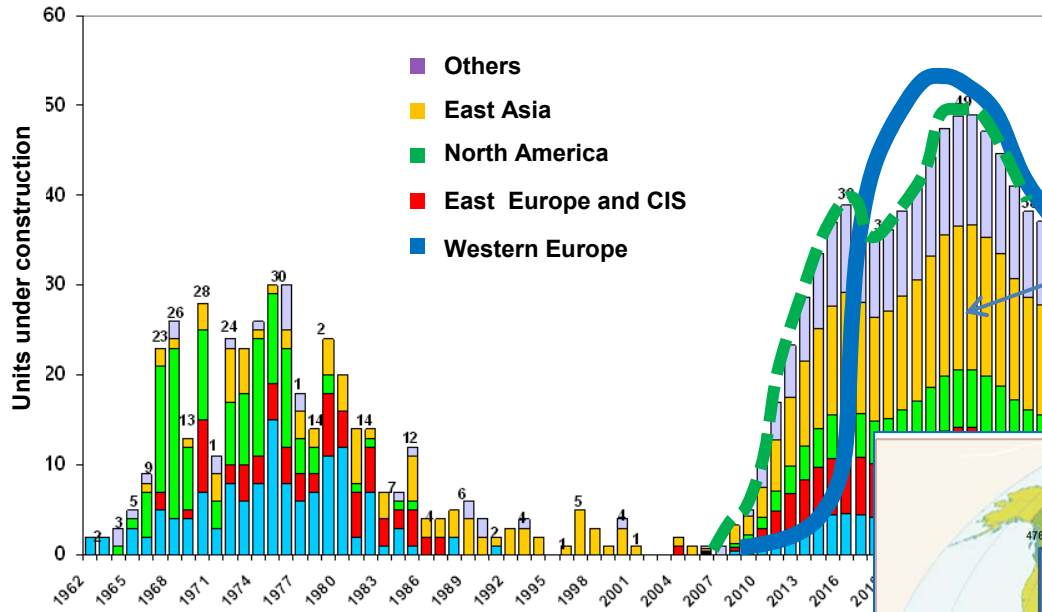


Oil production growth rates and reserves growth rates

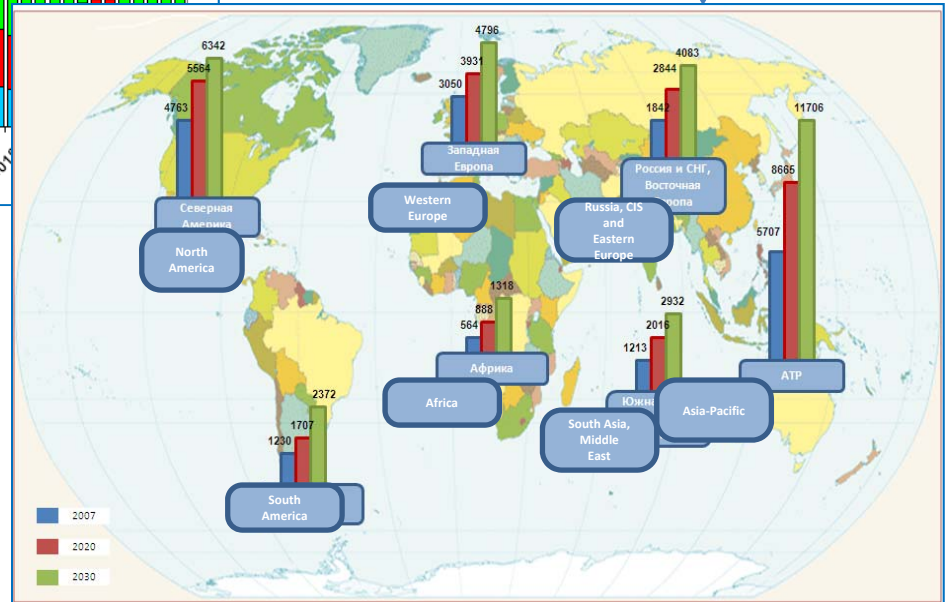


# Future challenges

Correction of the global NPP construction forecast till 2030

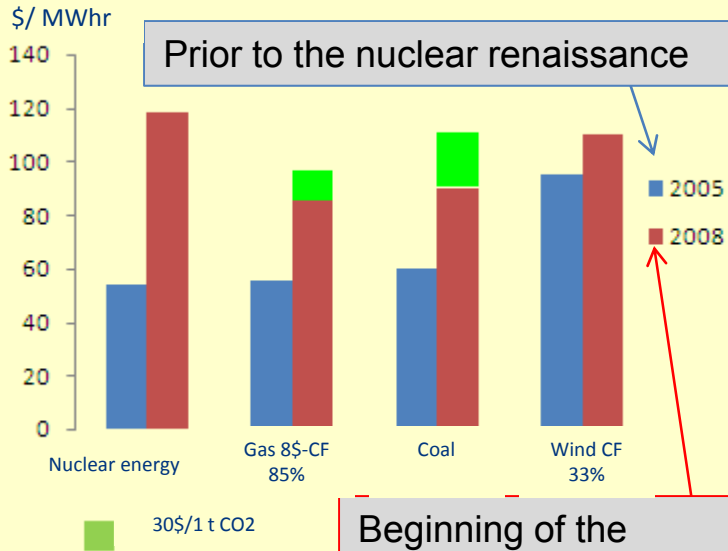


For Asia  
the crisis challenge is harder



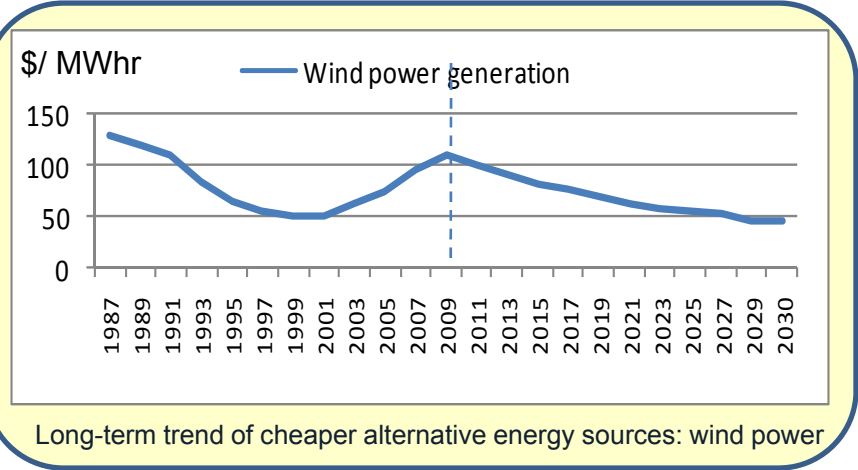
# Future challenges

Electricity generation costs



Prior to the nuclear renaissance

Beginning of the renaissance

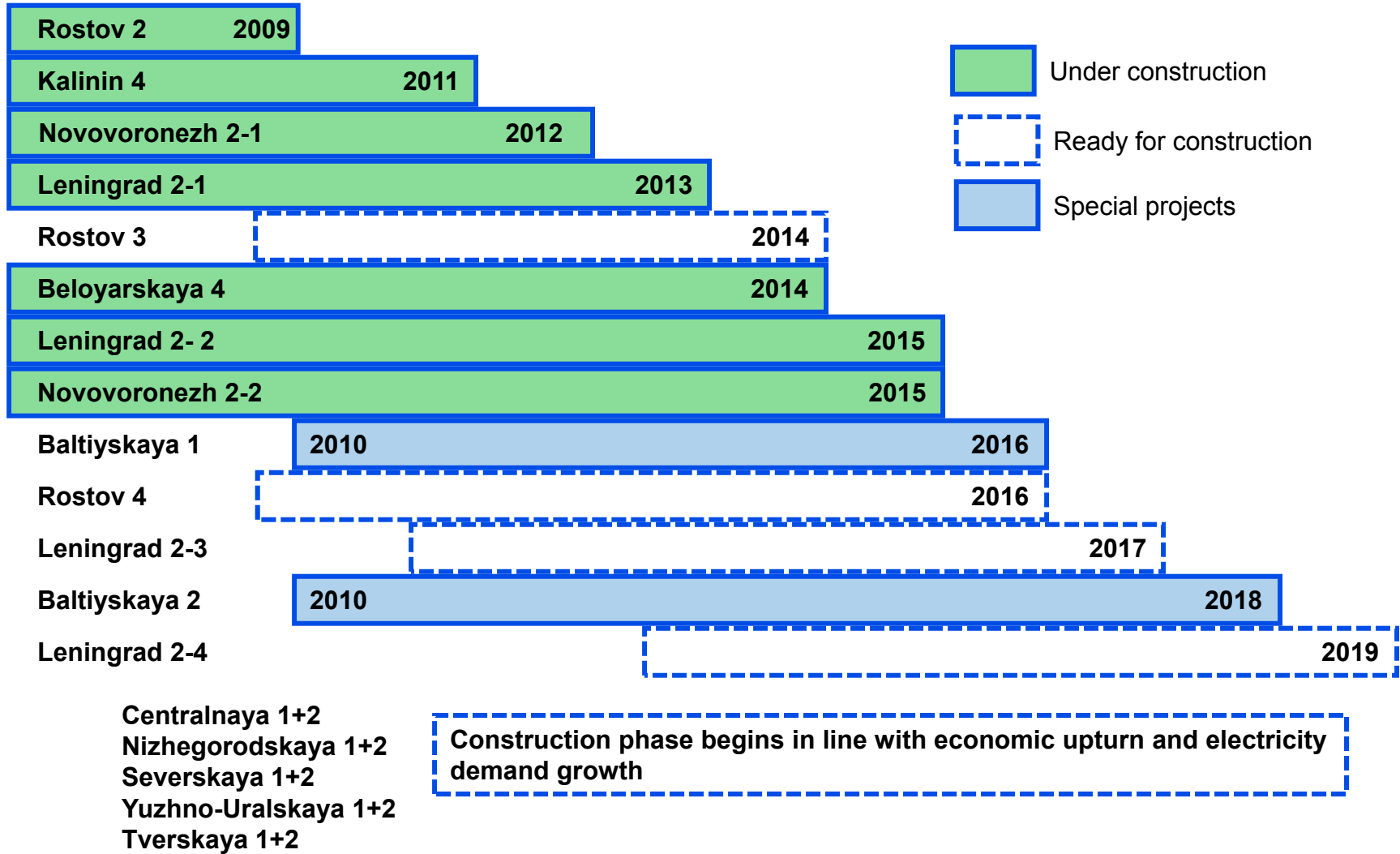


Growing demand for technological leadership and increased role of the new technological platform in nuclear power generation.

CO<sub>2</sub> solutions for the coal power generation

Delays in development of the global electricity market entails competition on the NPPs market: shift from «nuclear energy vs. hydrocarbons» to «nuclear energy vs. «clean coal» + renewables».

# Russian program



# International partnership

Toshiba

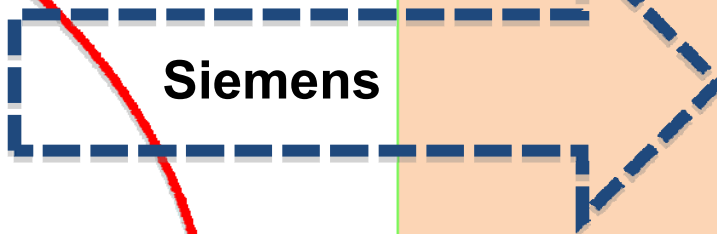


Rosatom

Areva

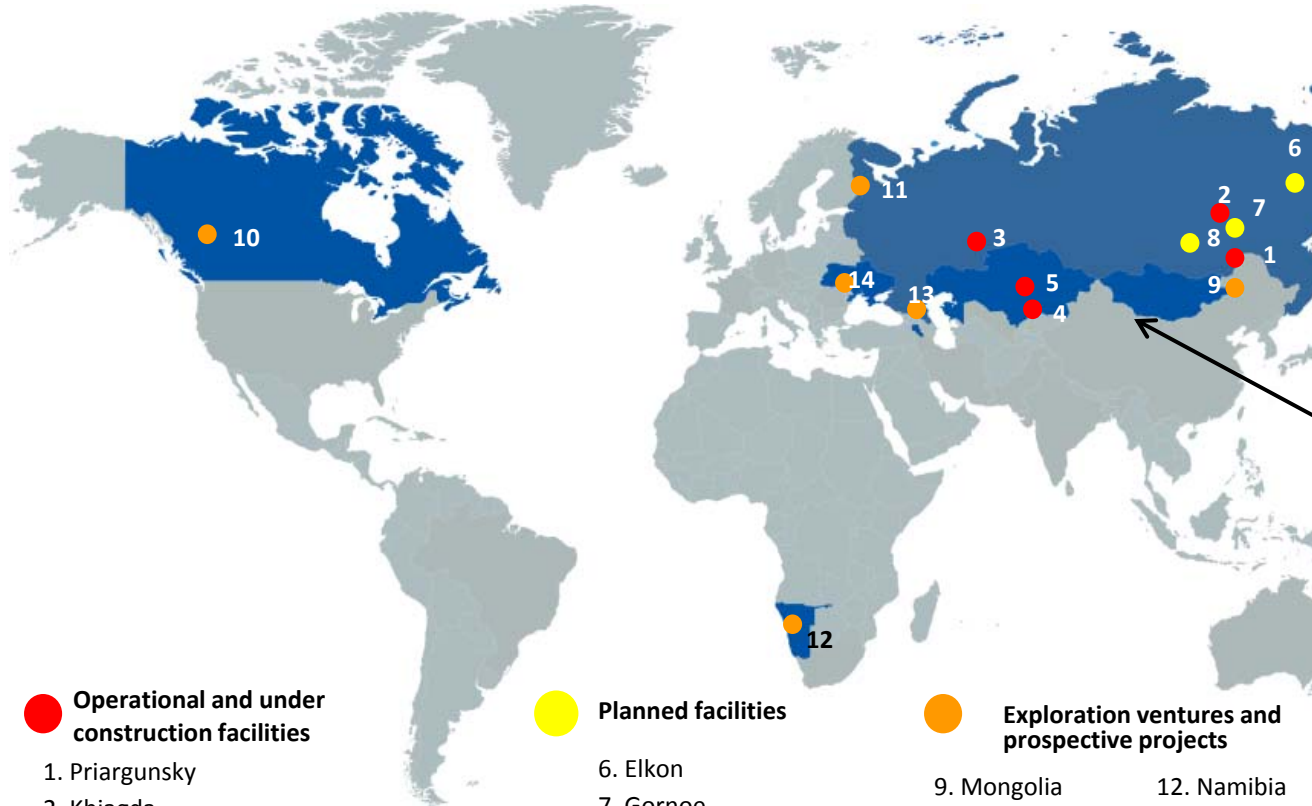


Siemens



# Uranium projects

JSC «ARMZ»: One of the leading companies in Uranium Reserves and Production globally



**Operational and under construction facilities**

1. Priargunsky
2. Khiagda
3. Dalur
4. Akbastau (Karatau)
5. Zarechnoe

**Planned facilities**

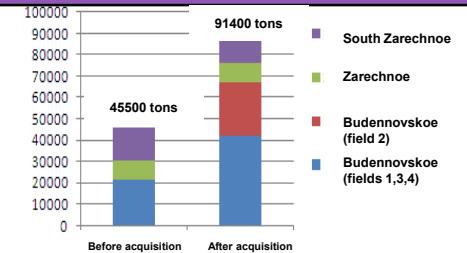
6. Elkon
7. Gornoe
8. Olovskaya

**Exploration ventures and prospective projects**

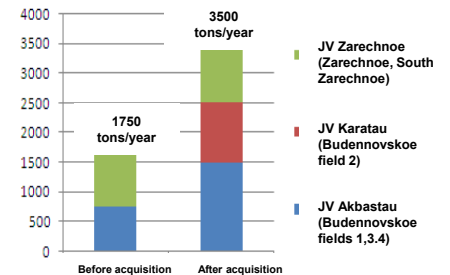
9. Mongolia
10. Canada
11. Russia
12. Namibia
13. Armenia
14. Ukraine

## Consolidation of Russian assets in Kazakhstan

### ARMZ reserves and assets in Kazakhstan, tons



### ARMZ Kazakh facilities production capacities, tons



*GOAL – creation of a global player (JSC «ARMZ») of uranium market via:*

- *global diversification of assets*
- *attraction of foreign investors in uranium production projects*

# New technology development

