International Uranium Enrichment Center

Practical implementation of Multilateral Nuclear Approach

Gleb Efremov, IUEC Commercial Director
GLOBAL 2011, December 13, Makuhari, Japan
Preconditions for IUEC establishment

Any NPP operator should be assured for fuel supplies for the entire operating cycle of NPP

- Existing commercial market
- Guaranties supported by Government/IAEA commitments
- Fuel Banks

WNA Security of the International Nuclear Fuel Cycle Concept – from WNA report 2006:

Level 3
Level 2
Level 1
Existing world SWU/LEU market

Collective guarantees of commercial suppliers

Guarantees supported by Government (IAEA) commitments

LEU Fuel Banks

Government (IAEA) EUP stocks

IAEA role - definition of material release criteria and triggering the mechanism
The Russian President Initiative
Saint-Petersburg, EurAsEC Summit, 25 January 2006

«We need to create the prototype of a global infrastructure that will give all interested countries equal access to nuclear energy… The key element of such an infrastructure should be an international centers network under the IAEA control for the provision of nuclear cycle services, including uranium enrichment»

Objectives of the initiative:

- To increase the role of nuclear energy in provision of global energy assurance;
- To develop the global nuclear energy infrastructure via the establishment of an international nuclear fuel cycle centers network;
- To provide the non-discriminatory and guaranteed access to products and services of the nuclear fuel cycle for states, that are currently developing nuclear power.
IUEC on the map of Russian Nuclear-industrial Complex

- enrichment (4)
- conversion (3)
- uranium production (4)
- fabrication (2)
- NPPs (10)
- depleted UF₆ reconversion projects (2)
- Research Institutes (>50)
On March 29th, 2010 in Vienna the IAEA Director General Yukiya Amano and General Director of the State Corporation “RosAtom” Sergey Kirienko signed the Agreement between the Government of the Russian Federation and the International Atomic Energy Agency regarding the establishment on the territory of the Russian Federation of a physical reserve of low enriched uranium and the supply of low enriched uranium therefrom to the International Atomic Energy Agency for its member states.
On March 29th, 2010 in Vienna the IAEA Director General Yukiya Amano and General Director of the International Uranium Enrichment Centre (IUEC) Alexey Lebedev signed the Contract between the International Atomic Energy Agency and the International Uranium Enrichment Centre regarding the implementation of certain of the technical and commercial aspects of the Agreement between the Government of the Russian Federation and the International Atomic Energy Agency regarding the establishment on the territory of the Russian Federation of a physical reserve of low enriched uranium and the supply of low enriched uranium therefrom to the International Atomic Energy Agency for its member states.
IUEC establishment and operating

International Uranium Enrichment Center (IUEC)

Guaranteed supplies

Guaranteed reserve of LEU

Storage Facility
(under IAEA safeguards started from July 1, 2010)

120t of U
Thank you for attention!