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STATE ATOMIC ENERGY CORPORATION ROSATOM

Nuclear pathway to the decarbonized sustainable future

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World Nuclear Spotlight Poland
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Nuclear gives green light to the countries' economic boost and social development

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ECONOMIC DEVELOPMENT AND HIGHER LIVING STANDARTS

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Nuclear Is…
Benefits for Local Economies

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THE CONSTRUCTION OF THE NPP WILL RESULT IN COMPREHENSIVE SPILLOVER EFFECTS FOR THE NATIONAL DEVELOPMENT

PUBLIC INCOME

- New taxes from local and foreign suppliers, from electricity sales
- Increasing the region's investment attractiveness

EMPLOYMENT

- Up to 10 000 employed for the development of nuclear infrastructure
- Up to 3 000 new jobs created to operate NPP

ENERGY SECTOR

- Stable power supply for local industry and household needs
- Reducing electricity prices in the region

NATIONAL DEVELOPMENT

- Developing local higher education and upgrading local labour force skills;
- Facilitating high-tech industries development

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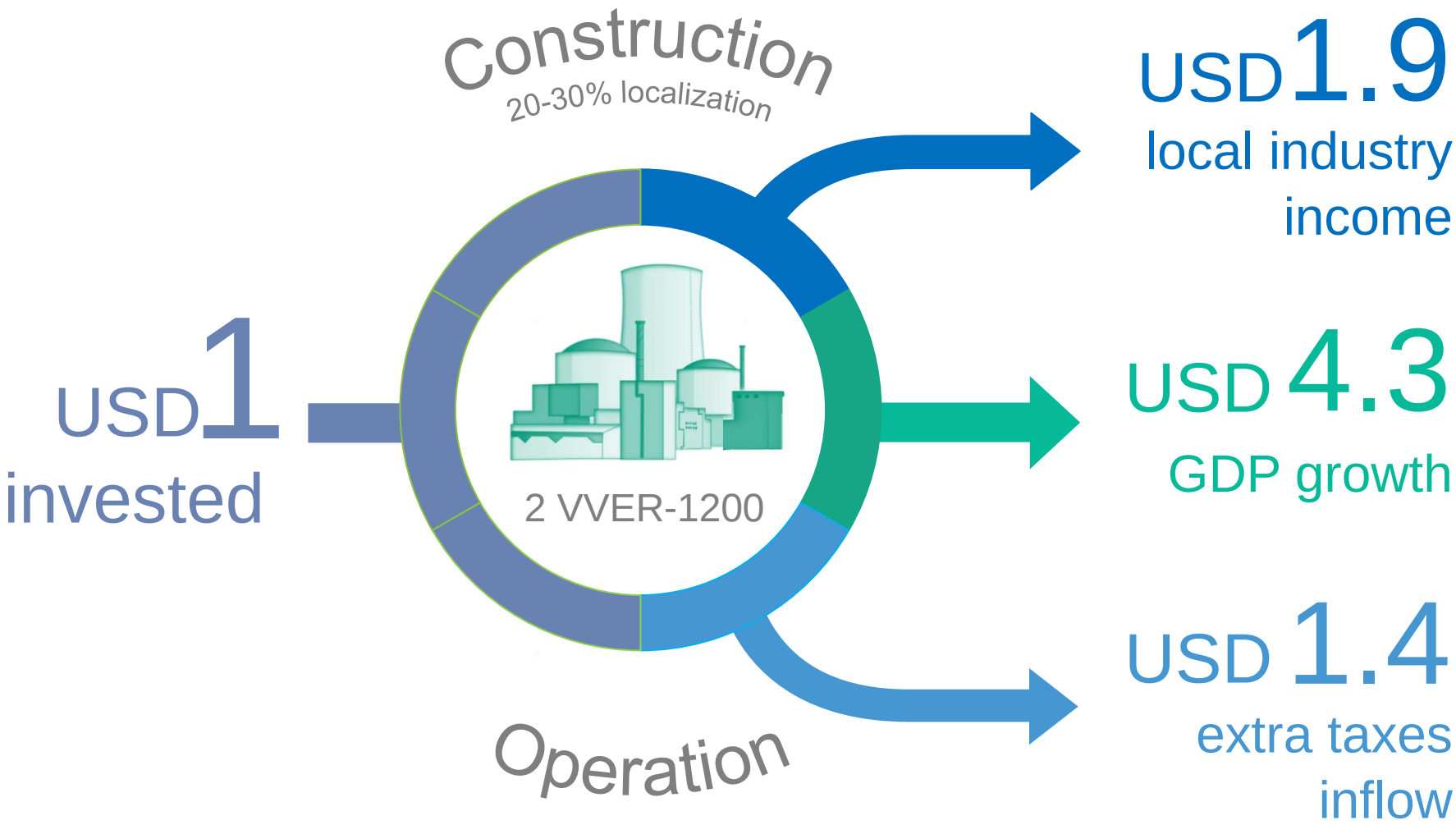
Nuclear Is…
Multiplier Effect on National Economy



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Nuclear is key element of decarbonizing electricity

COAL

820 CO_2 kg per MW*h

SOLAR PV - UTILITY

48 CO2 kg per MW*h of indirect emissions

WIND ONSHORE

11 CO2 kg per MW*h of indirect emissions

DIESEL

792 CO_2 kg per MW*h

GAS CC

490 CO_2 kg per MW*h

NUCLEAR

0 CO2 kg per MW*h

and only 12 CO_2 kg per MW*h of indirect emissions during the whole fuel cycle from mining till waste treatment

* Studies including IPCC

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Nuclear technology opens the way to innovations

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NPP construction

Research and development

Environmental protection

Heavy industry

NUCLEAR TECHNOLOGY

New materials

Food irradiation

Nuclear medicine

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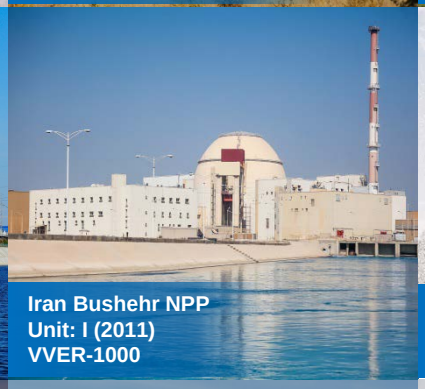
ROSATOM: keeping the pace

Russia Leningrad NPP-2
Unit: I (2018)
VVER-1200

Russia Rostov NPP
Unit: II (2010), III (2014), IV (2018) VVER-1000

India Kudankulam NPP
Unit: I (2013), II (2016)
VVER-1000

Russia Beloyarsk NPP
Unit: IV (2015)
BN-800


Iran Bushehr NPP
Unit: I (2011)
VVER-1000

Russia Novovoronezh NPP-2
Unit: I (2016)
VVER-1200

China Tianwan NPP
Unit: I (2006), II (2007)
VVER-1000

Russia Kalinin NPP
Unit: IV (2011)
VVER-1000

China Tianwan NPP
Unit: III (2017), IV (2018) VVER-1000

14 NPP UNITS

were commissioned by Rosatom over the last

12 YEARS

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Opportunities for partnerships and cooperation

STRONG COLLABORATION IS A KEY DRIVER FOR US TO MOVE TOWARDS THE BETTER FUTURE TOGETHER

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THANK YOU FOR YOUR ATTENTION

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