Nuclear power contribution to achieving carbon footprint reduction and building a sustainable energy mix

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Mitigation, Monitoring, Adaptation

18-19 September 2018



18-19 September 2018

**EFFICIENCY** 

SAFETY

### **Rosatom's approach to innovations**

**TAILOR-MADE** 

**SOLUTIONS** 

#### ROSATOM'S CONCEPT

#### TYPES OF INNOVATIONS



#### DEVELOPMENT AND MODERNIZATION OF EXCITING PRODUCTS to bring them to the best version of themselves



#### BREAKTHROUGH

to bring products, services and business to the next level of development

### Safety

GENERATION III - GENERATION

# **GENERATION III+**

**DEVELOPMENT AND MODERNIZATION** 

**OF EXCITING PRODUCTS** 

REACTORS INCORPORATE EXTRA SAFETY FEATURES AND WERE MEANT TO MEET THE CURRENT DEMAND FOR NPPs... ...AND BRIDGE THE GAP TO GENERATION IV NUCLEAR POWER PLANTS

THAT INCORPORATE INTRINSIC SECURITY AND INHERENT SAFETY FEATURES

## Efficiency

CLOSURE OF THE NUCLEAR FUEL CYCLE WILL ALLOW THE NUCLEAR TECHNOLOGY TO MEET THE RAW CHALLENGE

TODAY: BN-600 and BN-800

NEXT STEP: BN-1200

BREAKTHROUGH

3-D TECHNOLOGIES (MODELING AND PRINTING)

> ARTIFICIAL INTELLECT (AI) & ADVANCED MACHINE LEARNING

3D

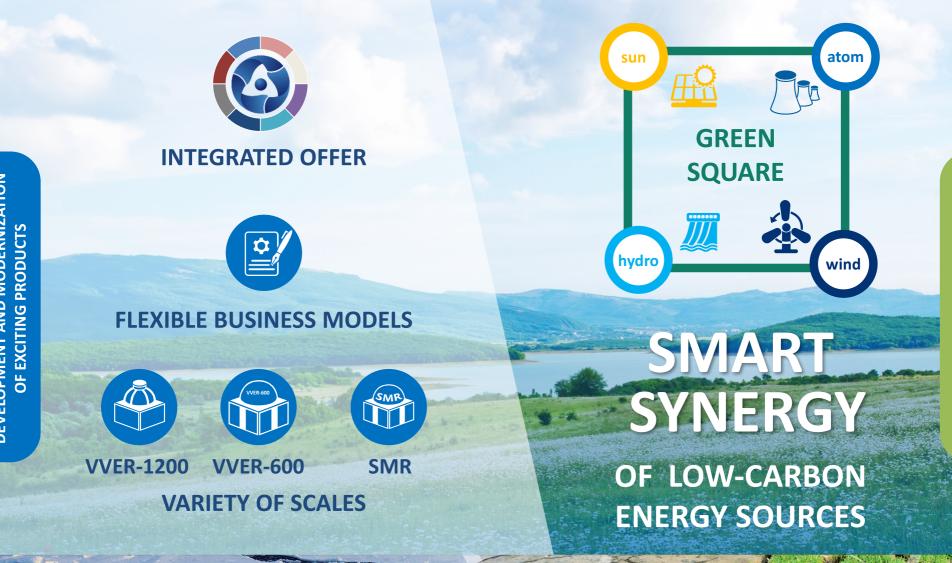
AUTOMATIZATION / ROBOTIZATION

DEVELOPMENT AND MODERNIZATION OF EXCITING PRODUCTS

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BREAKTHROUGH

### **Tailor-made solutions**



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# Thank you for your attention!

