



JSC “Atomenergoprom” ‘s Efforts to Establish Physical Protection Corporative Standards in Developing Effective Approaches to Physical Protection of NPPs Under Construction



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ОТКРЫТОЕ АКЦИОНЕРНОЕ ОБЩЕСТВО «АТОМНЫЙ ЭНЕРГОПРОМЫШЛЕННЫЙ КОМПЛЕКС»

Outline:

- Plans to construct new nuclear power-generating units;
- Principles;
- Corporative Standard on PP;
- Special Expertise of PPS Design Chapter – separate chapter of a Design of a new nuclear power-generating unit.



Basis:

- *List of nuclear materials that can be in federal ownership exclusively;*
- *List of Russian legal entities that can own nuclear materials and nuclear facilities;*
- *List of nuclear sites, privatization of which is prohibited;*
- *List of organizations of the State Atomic Energy Corporation “Rosatom” and JSC “Atomenergoprom”.*

Institutional basis is created to guarantee maintenance of the State governance and integrity of the Russian atomic branch



Main Structure Elements:

JSC “Atomenergoprom”
(Holding)

Department
on Security and Information Protection

31 nuclear sites
which are in the sphere of JSC influence

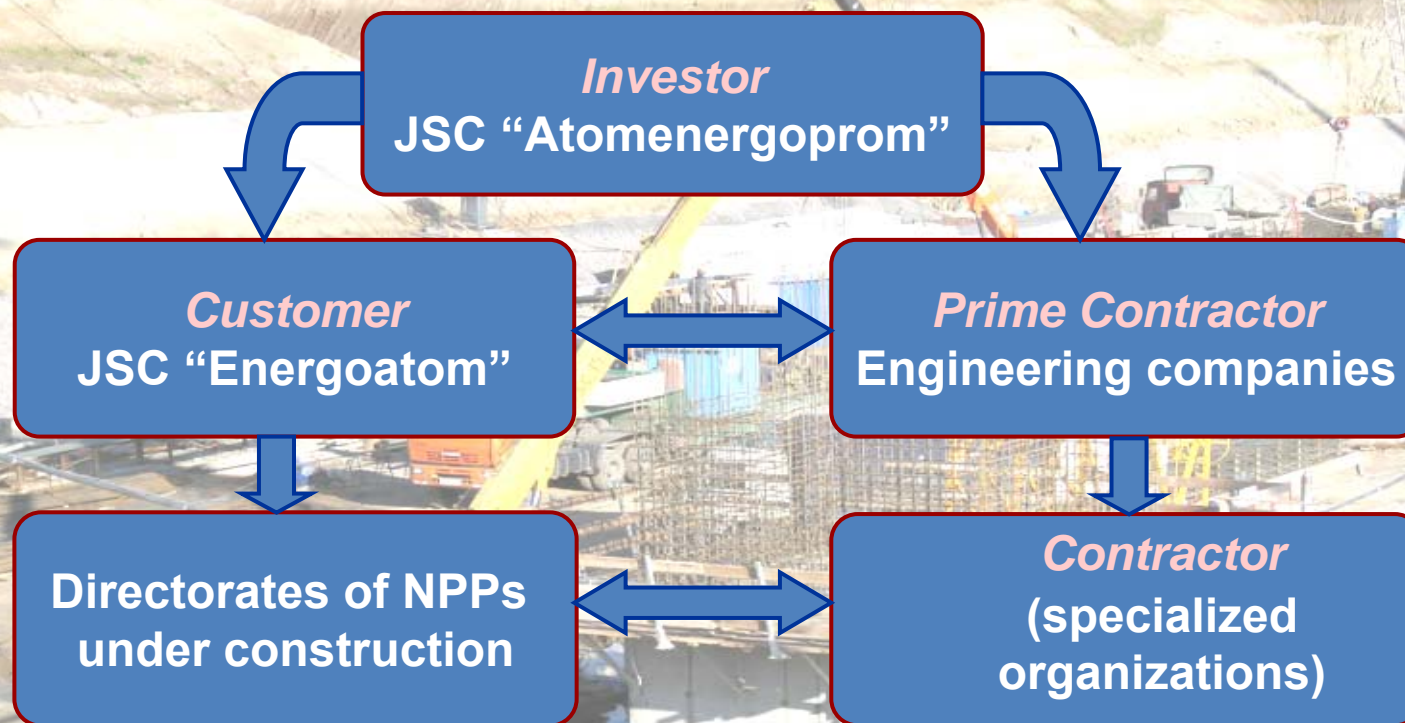


Principles:

- *security culture;*
- *priority of preventive approach;*
- *adequacy of measures on physical protection to design basis threat;*
- *adaptability;*
- *appropriate sufficiency;*
- *responsibility of the license holders;*
- *graded approach;*
- *defence in depth;*
- *contingency plans;*
- *confidentiality.*



Plans and Interacting Parties:



Plans to construct units	
Years	Num
2009	1
2010	1
2011	1
2012	2
2013	2
2014	2
2015	3
2016	3
2017	4
2018	4
2019	5
2020	5
2009-20	33

*Russia is now constructing: 7 units - at home;
4 units – abroad.*



Norms and Standards:

The Norms have general character

International norms and obligations of RF

Federal legislation

Federal rules and regulations

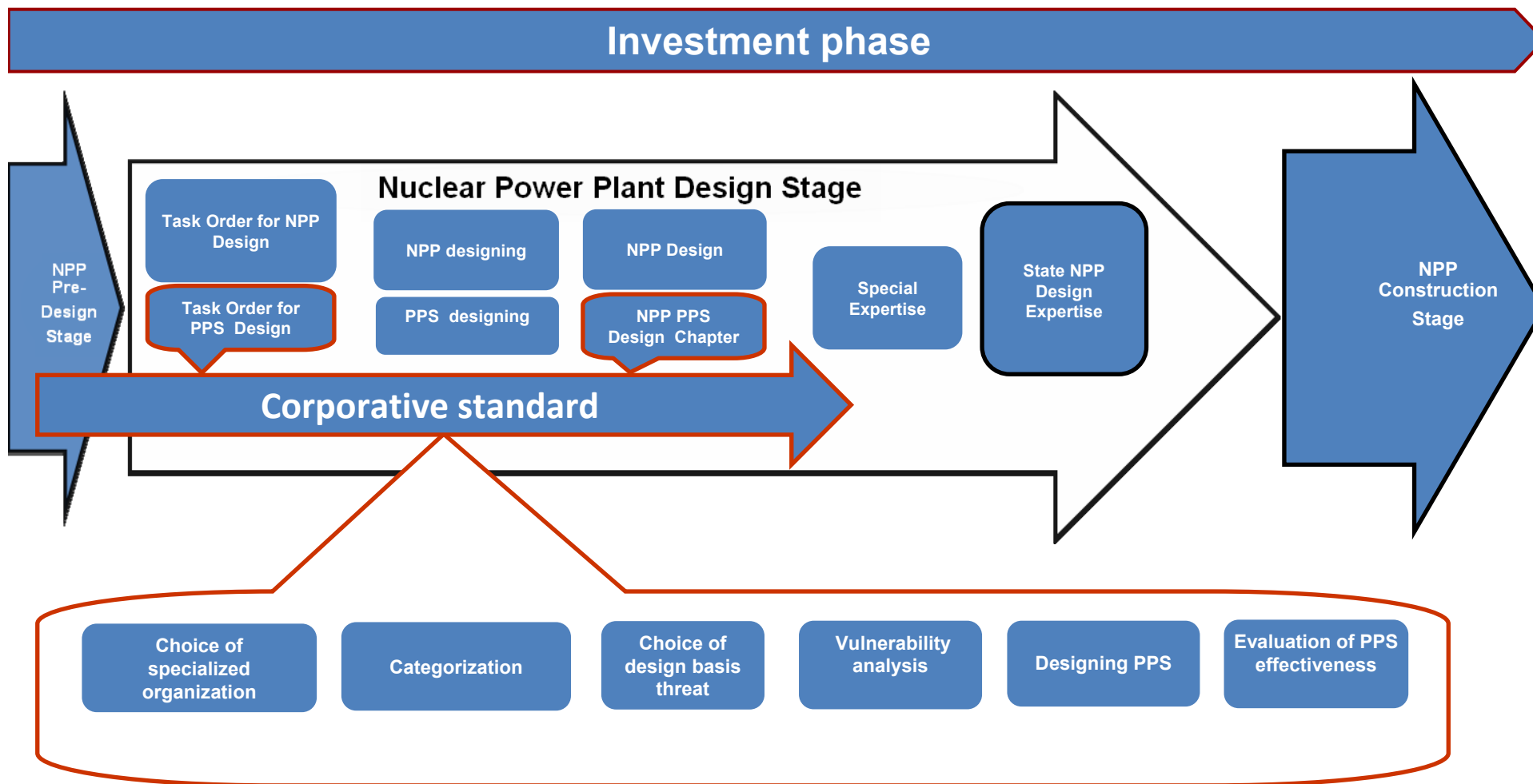
Norms

Corporative standards on PP

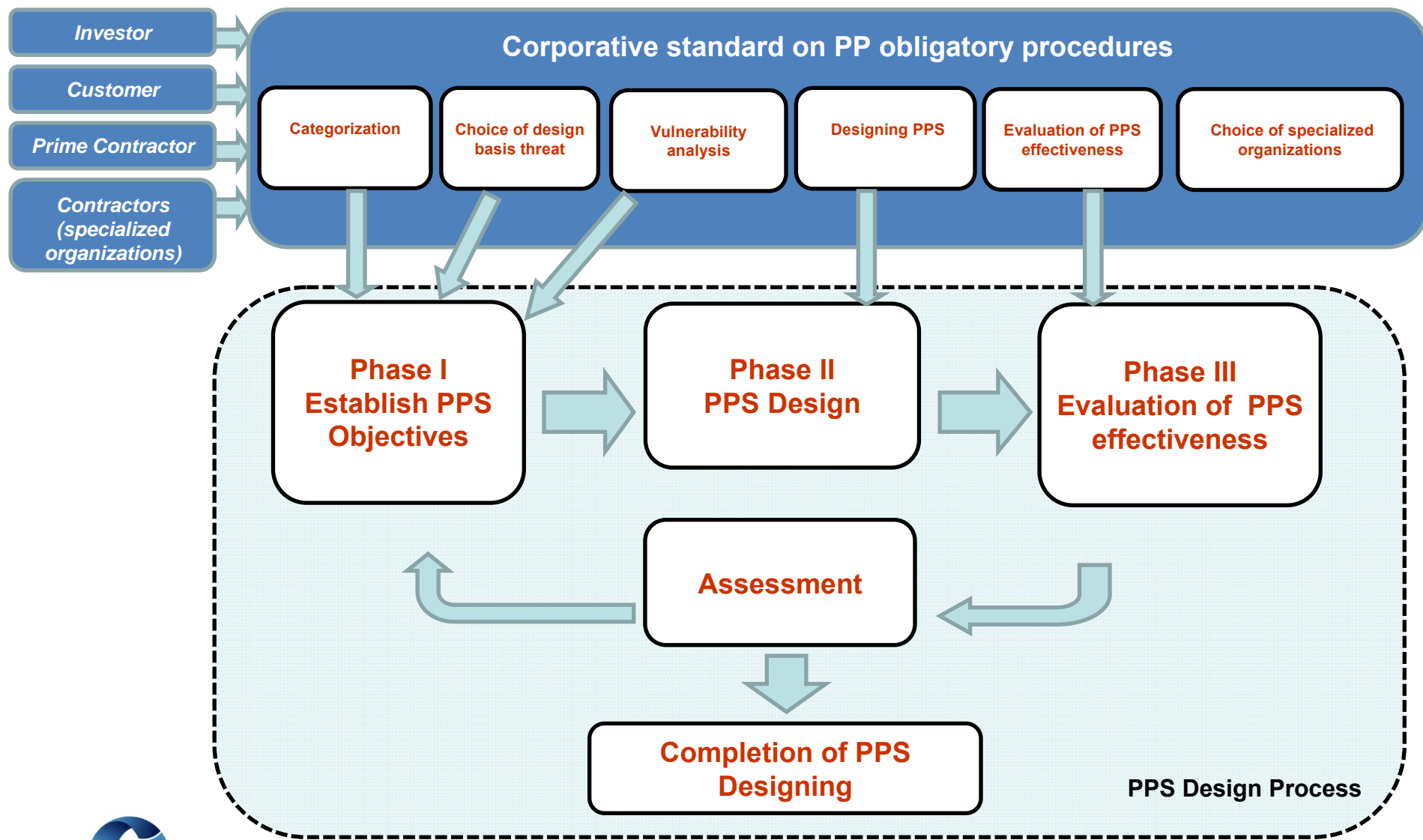
Standard – clarifies, systematizes, unifies, optimizes , ...



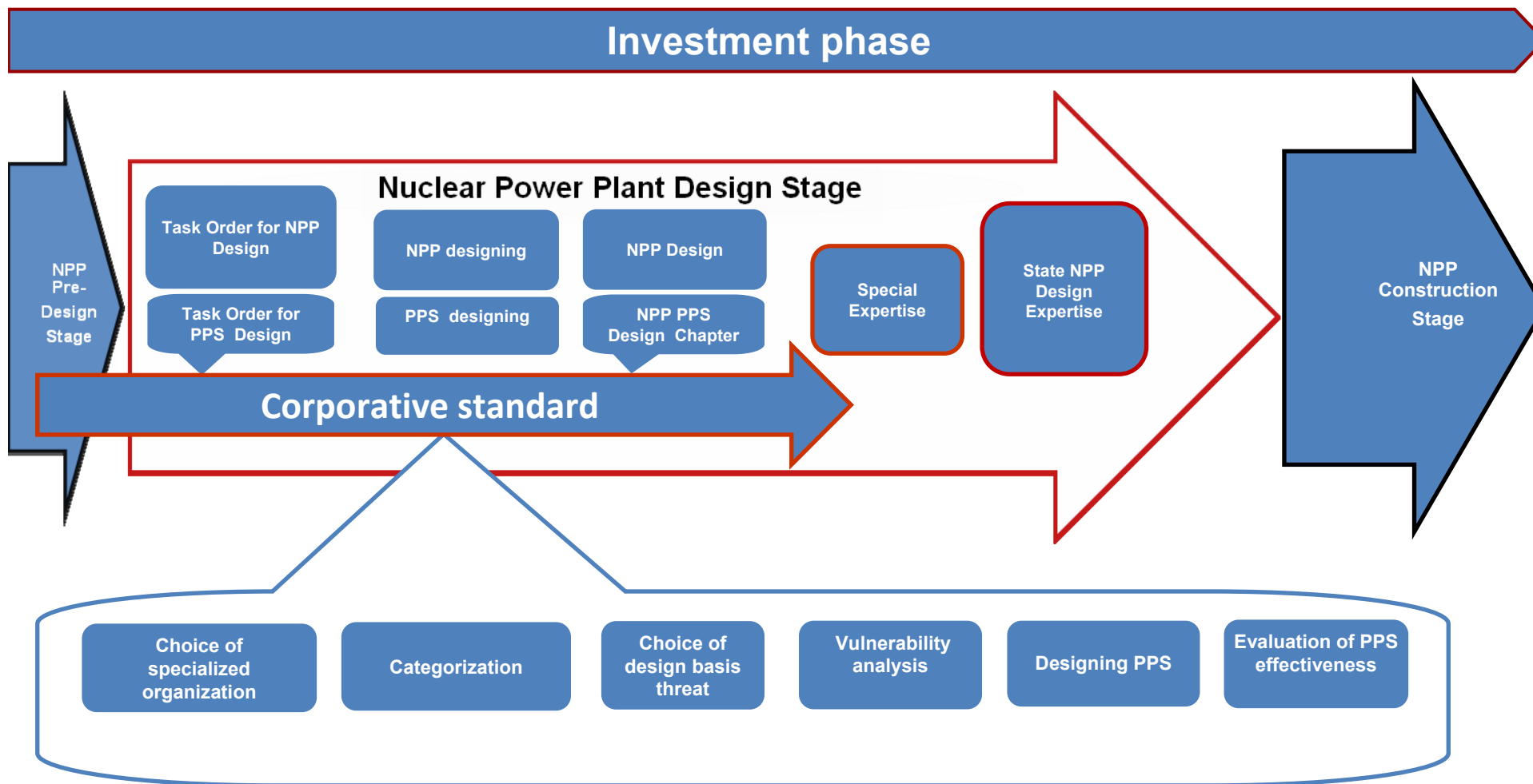
Corporative Standard on PP:



Corporative Standard on PP:



Corporative Standard on PP:



Special Expertise of PPS Design Chapter

Compliance with:

- requirements of the Russian regulatory basis;
- requirements of Corporative standard on PP.

Assessment of:

- technical and financial characteristics of PPS Design chapter

Definition of:

- necessary adjustments

Independent Specialized Organizations :

- competitive selection;
- special licences to expertise design and technological documentation on PP



Summary:

- Plans to construct new nuclear power-generating units;
- Principles;
- Corporative standard on PP;
- Special Expertise of PPS Design Chapter – separate chapter of a Design of a new nuclear power energy-generating unit.





**Thank
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Attention!**

INDUSTRY



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