

***The Ministry of Energy of the Republic of Belarus***



***Republican Unitary Enterprise “ Belarusian Nuclear Power Plant”***

[www.dsae.by](http://www.dsae.by)

**February 2014, Ostrovets**



***Progress in implementation the project of  
the Belarusian NPP construction***

***Barcoun Andrei Vasilievich,  
Deputy Director General for capital construction***



## ***Belarusian NPP:***

project- «NPP – 2006», generation 3+

designer– JSC “Atomenergoproekt” Sankt-Petersburg, Russia

General contractor– JSC «Atomstroyexport» (JSC«NIAEP»), Russia

Customer – RUE «Belarusian Nuclear Power Plant», Belarus



### **Main technical features of the project:**

Installed capacity for 2 NPP units– 2388 MW

Average electricity supply(in base conditions) – 17 billion KWh

Service – 50 years

Start first unit– 2018 year, second – 2020 year.

## Milestones of the Belarusian NPP construction

2006

Approval by the Government of the Republic of Belarus The Action Plan for the preparation works of the NPP construction in Belarus (July).

2007

Approval by the President of the Republic of Belarus the Concept of energy security, providing the NPP construction (September).

Decree of the President of the Republic of Belarus on NPP construction (November).

2008

Political decision of the Security Council of the Republic of Belarus to develop the nuclear energy in Belarus (January).

The Law of the Republic of Belarus «About using the nuclear energy» (July).

Selection the site of NPP. Statement of the state committee (December).

2009

The Government's adoption the package plan of arrangements for the NPP construction in Belarus (January). Choice the NPP project (April). Development the investment rationale and the EIA report.

2010

Inspection of the investment rationale in RUE «Glavstroyexpertiza » (July). Holding the public hearing and consultations by the EIA report in the transboundary context. Designing the objects of the manufacturing base, necessary for the NPP construction.

2011

Conclusion the Agreement between the Government of the Republic of Belarus and the Government of the Russian Federation in the field of using the nuclear energy peacefully. (March).

Approval by the Ministry of Energy the investment rationale in the NPP construction (July).

The license on the NPP site was received by the Gosatomnadzor. Decree of the President of the Republic of Belarus on location and design the NPP (September ). The works of preparatory period have been started.

# Milestones of the Belarusian NPP construction

(continue)

2011

The Contract between SE«DSAE» and JSC «ASE» for the NPP construction was signed. (October) and Agreement between the Government of the Republic of Belarus and the Government of the Russian Federation to provide the Government of the Republic of Belarus with the state export credit for the nuclear power plant construction on the territory of Belarus (November).

2012

The Contract between SE«DSAE» and JSC «ASE» for the preparatory period works of Belarusian NPP before «first concrete» was signed. (March). The General contract for Belarusian NPP construction between SE «DSAE» and JSC «ASE» was signed. (July).

The preparatory period works were done, the necessary infrastructure was created. The capsules was bookmarked in the memory stone, that located in the NPP site, by the President of the Republic of Belarus. (August).

2013

Developing the architectural project of Belarusian NPP, providing the project expertise in FAU «Russian Main State Expertise» (May). Approval by the Government the project documentation. (September). The license on the NPP construction was received in Gosatomnadzor. (October).

The Law of the President of the Republic of Belarus on the NPP construction. (November).

The main period works have been started (pouring the «first concrete») (November).

2018

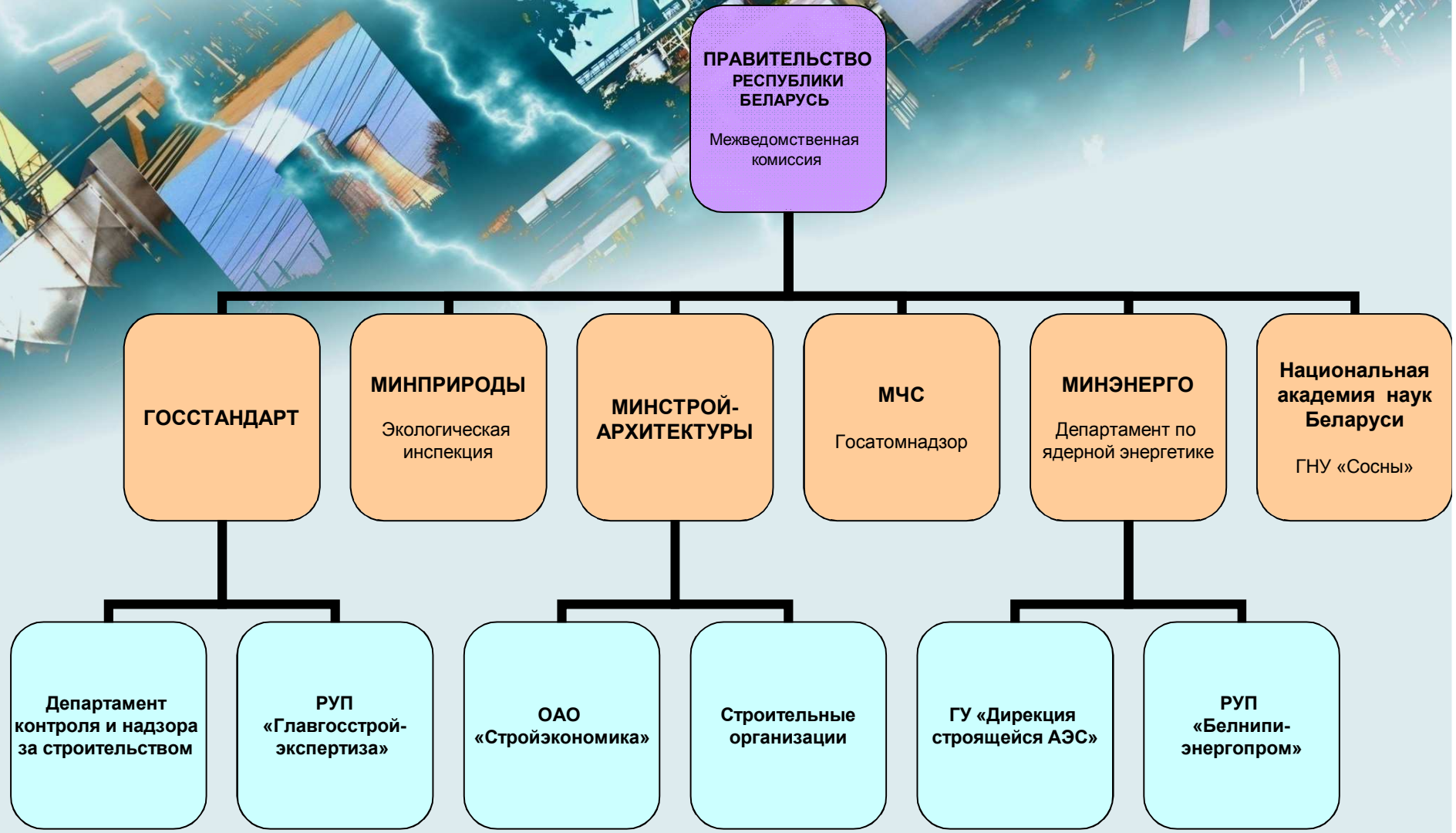
Commissioning the first NPP Unit

2020

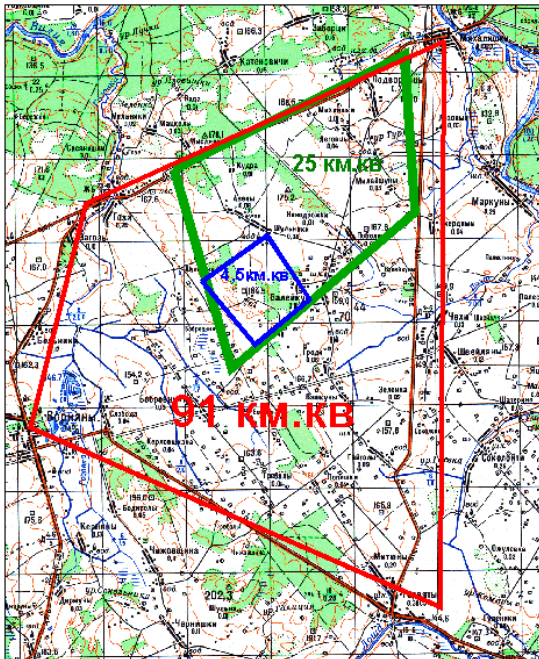
Commissioning the second NPP Unit



# Organizational structure by managing the project of Belarusian NPP construction



# Selection the site for the NPP on the territory of Belarus



**Ostrovetskaya site-priority**  
 Vilnius – 50 km  
 Smorgon – 23 km  
 Naroch – 20 km  
 Molodechno – 40 km

**Kukshinovskaya site**  
 Orsha – 30 km  
 Mogilev – 53 km  
 Gorky – 15 km  
 Shklov – 33 km

**Ostrovetskaya site**

**Kukshinovskaya site**

**Krasnopolyanskaya site**

**Krasnopolyanskaya site**

Mogilev – 40 km  
 Chausy – 28 km  
 Byhov – 35 km  
 Slavgorod – 25 km





## Public hearing and consultations

For the period from February to May 2012 the public hearing on discussing the Belarusian NPP EIA report were held in Austria, Lithuania, Ukraine.

During the discussing were provided:

Meetings in the workplace	1673
Meetings in social organizations	72
Participated (person)	182670
express consent ( person)	127825
In public hearing 9/10/2009 in Ostrovets were participated	813






# Approval the investment rationale in NPP construction and the EIA report

- first project stage

## The license on the NPP location


**МИНИСТЭРСТВА ЭНЕРГЕТЫКІ РЭСПУБЛІКІ БЕЛАРУСЬ**  
**ПАСТАНОВА**  
 12 *июля* 2011 г. № 32  
 г. Мінск

**МИНИСТЕРСТВО ЭНЕРГЕТИКИ РЕСПУБЛИКИ БЕЛАРУСЬ**  
**ПОСТАНОВЛЕНИЕ**

Об утверждении обоснования инвестирования в строительство атомной электрической станции в Республике Беларусь

В соответствии с абзацем вторым пункта 43 Положения о порядке разработки, согласования и утверждения градостроительных проектов, проектной документации, утвержденного постановлением Совета Министров Республики Беларусь от 8 октября 2008 г. № 1476, Министерство энергетики Республики Беларусь **ПОСТАНОВЛЯЕТ**:

1. Утвердить разработанное проектным научно-исследовательским республиканским унитарным предприятием «Белнипиэнергопром» по объекту-аналогу «Ленинградская АЭС-2» и внесенное государственным учреждением «Дирекция строительства атомной электростанции» обоснование инвестирования в строительство атомной электрической станции в Республике Беларусь

  
 Министерство по чрезвычайным ситуациям Республики Беларусь  
**СПЕЦИАЛЬНОЕ РАЗРЕШЕНИЕ (ЛИЦЕНЗИЯ)**  
 № 02300 /239-4

на право осуществления деятельности в области использования атомной энергии и источников ионизирующего излучения.

Выдано Государственному учреждению «Дирекция строительства атомной электростанции».

231201, Гродненская область, г. Островец, ул. Володарского, дом 64, офис 90.

Учетный номер плательщика 190919639.

Специальное разрешение (лицензия) выдано на основании решения от 31 мая 2012 г. № 25 км сроком на пять лет и зарегистрировано в реестре специальных разрешений (лицензий) Департамента по ядерной и радиационной безопасности Министерства по чрезвычайным ситуациям Республики Беларусь за № 239.

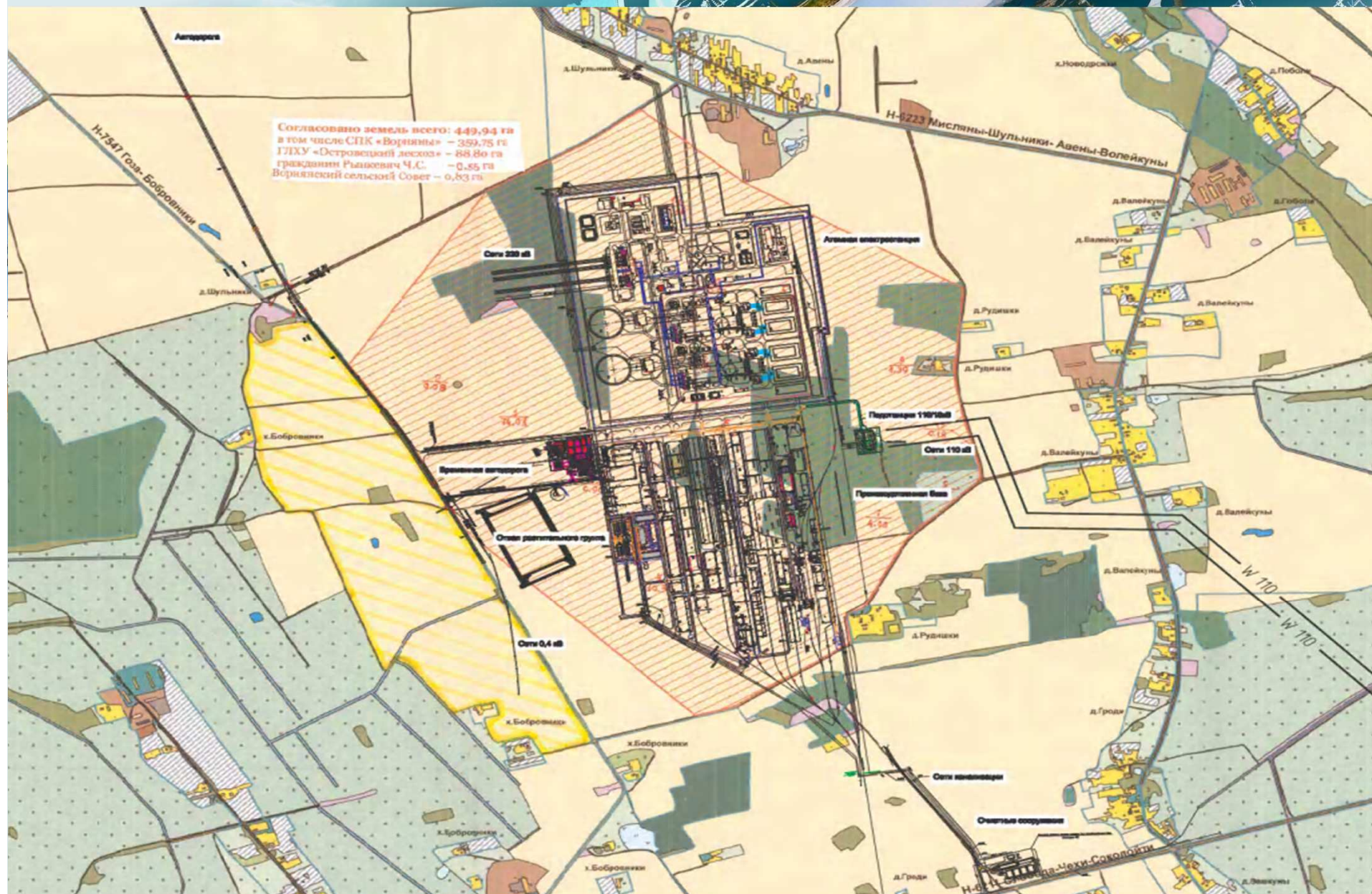
Специальное разрешение (лицензия) действительно по 30 мая 2017 г.

Начальник Департамента по ядерной и радиационной безопасности  

 О.М.Лутовская



# Infrastructure of Belarusian NPP





# Joint pioneering production base

2009 год



Бетонный узел 2х40 куб.м/час





# Home base mechanization

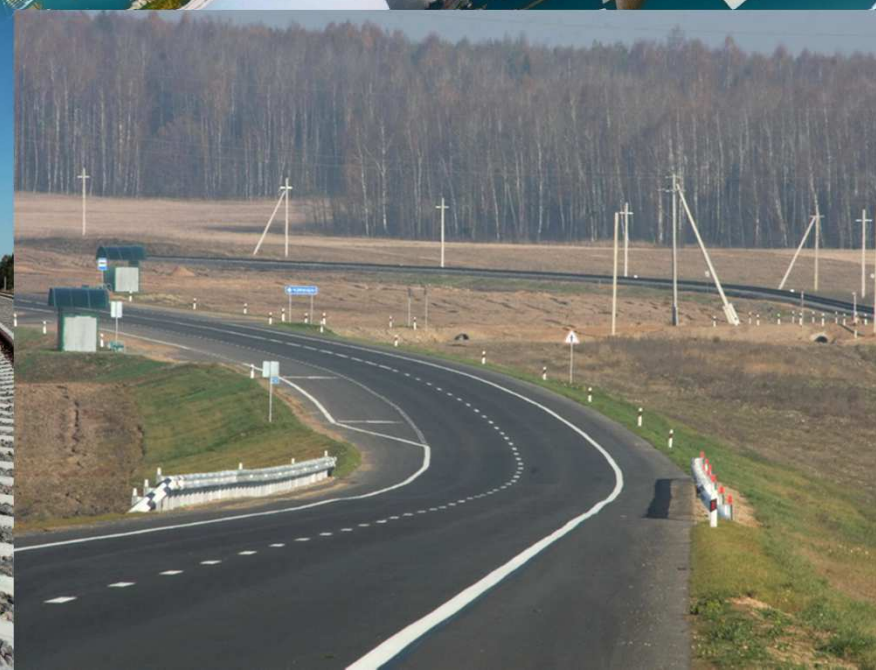
2010 год





***Railway and road,  
Substation 110/10 KW "Viliya"***

2011 год





# Housing objects, social-cultural objects

2010 – 2013  
years





# MANUFACTURING BASE

- 2013 YEAR



Бетонный узел 2х90 куб.м/час



# Trenches for the First and Second Units





# Concrete preparation for the First and Second Units





## *Evaporative cooling tower*





# Carcassing work on the reactor island

2013 year

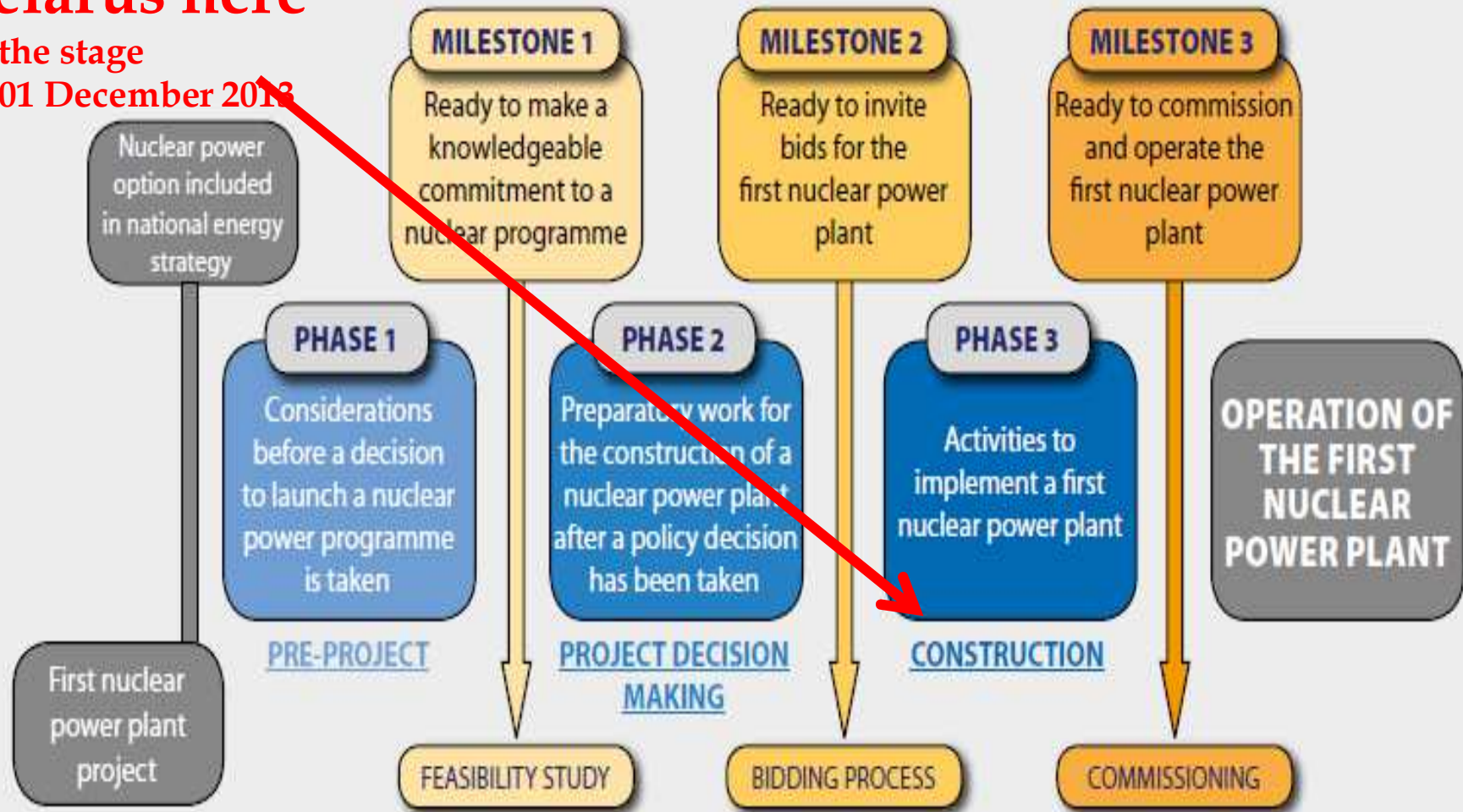




# Stages of infrastructure during the NPP construction (by IAEA methodology)

**Belarus here**

by the stage  
on 01 December 2018







• THANK YOU