

Developed on the Base of Evolutionary Improvements

MIR-1200 is developed on the base of evolutionary improvements and significantly increased technological safety and operational efficiency for our Customers.

Generation 1

VVER-440

Confinement is calculated for small break LOCA. Active safety systems.

1960

Generation 2

VVER-440
VVER-1000

Containment is calculated for large LOCA localization. Active safety systems.

1970

Generation 3

VVER-640
VVER-1000
VVER-1500

Severe accident risk reduction through the increase of the passive safety systems implementation.

Russian PWR designs unified as per the main equipment (640, 1000, 1500 MW) provide a possibility for operation in different power grids.

1990

Generation 3+

VVER-1000
MIR-1200

2006

Generation 4

Development of new technologic platform

Transition to nuclear engineering innovation development:

- closed nuclear fuel cycle;
- inherent safety of NPP;
- increase of ecological sustainability;
- advanced economic indicators.

2014