



LATEST NEWS RELATED TO PRIS AND THE STATUS OF NUCLEAR POWER PLANTS

Current status of the nuclear industry:

- **441 nuclear power reactors in operation** with a total net installed capacity of 374.690 GW(e)
- **5 nuclear power reactors in long term shutdown**
- **62 nuclear power reactors under construction**

2010 Highlights:

- New connection to the grid:
 - **Rostov 2** (950 MW(e), PWR-VVER, Russia) - first grid connection on 18 March
Note: Rostov is a new official name of Volgodonsk reactor units.
 - **Rajasthan 6** (202 MW(e), PHWR, India) - first grid connection on 28 March
 - **Lingao 3** (1000 MW(e), PWR, China) - first grid connection on 15 July
 - **Qinshan 2-3** (610 MW(e), PWR, China) - first grid connection on 1 August
 - **Shin Kori 1** (960 MW(e), PWR, S. Korea) - first grid connection on 4 August
- Final shutdowns:
 - **Phenix** (130 MW(e), FBR, France) was officially closed on 1 February
- Construction initiation:
 - **Ningde 3** (1000 MW(e), PWR, China) - construction officially started on 8 January
 - **Taishan 2** (1700 MW(e), PWR-EPR, China) - construction officially started on 15 April
 - **Leningrad 2-2** (1085 MW(e), PWR-VVER, Russia) - construction officially started on 15 April
 - **Changjiang 1** (610 MW(e), PWR, China) - construction officially started on 25 April
 - **Ohma** (1325 MW(e), ABWR, Japan) - construction officially started on 7 May
 - **Angra 3** (1245 MW(e), PWR, Brazil) - construction officially started on 1 June
 - **Rostov 4** (1011 MW(e), PWR-VVER, Russia) - construction officially started on 16 June
 - **Haiyang 2** (1000 MW(e), PWR-AP1000, China) - construction officially started on 21 June
 - **Fangchenggang 1** (1000 MW(e), PWR, China) - construction officially started on 30 July
 - **Ningde 4** (1000 MW(e), PWR, China) - construction officially started on 29 September
 - **Yangjiang 3** (1000 MW(e), PWR, China) - construction officially started on 15 November

Changes of NPP status during 2009:

- New connection to the grid:
 - **Tomari 3**, 866 MW(e), PWR, Japan, (20 March)
 - **Rajasthan 5**, 202 MW(e), PHWR, India, (22 December)
- Final shutdowns:
 - **Hamaoka 1&2**, 515/806 MW(e), BWR, Japan, (31 January)
 - **Ignalina 2**, 1185 MW(e), RBMK, Lithuania, (31 December)
- Construction initiation:
 - **Hongyanhe 3**, 1000 MW(e), PWR, China, (7 March)
 - **Sanmen 1**, 1000 MW(e), PWR AP-1000, China, (19 April)
 - **Yangjiang 2**, 1000 MW(e), PWR, China, (4 June)

- **Fuqing 2**, 1000 MW(e), PWR, China, (17 June)
- **Novovoronezh 2-2**, 1085 MW(e), PWR-VVER, Russia, (12 July)
- **Fangjiashan 2**, 1000 MW(e), PWR, China, (17 July)
- **Hongyanhe 4**, 1000 MW(e), PWR, China, (15 August)
- **Rostov 3**, 1011 MW(e), PWR-VVER, Russia, (15 September) - *announced in June 2010*
- **Shin-Kori 4**, 1340 MW(e), PWR-APR 1400, S. Korea, (15 September)
- **Haiyang 1**, 1000 MW(e), PWR, China, (24 September)
- **Taishan 1**, 1700 MW(e), PWR-EPR, China, (18 November)
- **Sanmen 2**, 1000 MW(e), PWR AP-1000, China, (17 December)
- Construction reactivation:
 - **Akademik Lomonosov 1&2**, 2x30 MW(e), floating PWR-KLT40, Russia, relocated close to Vilyuchinsk
 - **Mochovce 3&4**, 2x405 MW(e), PWR-VVER, Slovakia, (11 June)

Changes of NPP status during 2008:

- Final shutdowns:
 - **Bohunice 2**, 408 MW(e), PWR-VVER, Slovakia, (31 December)
- Construction initiation:
 - **Ningde 1**, 1000 MW(e), PWR, China, (18 February)
 - **Hongyanhe 2**, 1000 MW(e), PWR, China, (28 March)
 - **Novovoronezh 2-1**, 1085 MW(e), PWR-VVER, Russia, (24 June)
 - **Shin-Wolsong 2**, 960 MW(e), PWR, S. Korea, (23 September)
 - **Leningrad 2-1**, 1085 MW(e), PWR-VVER, Russia, (25 October)
 - **Shin-Kori 3**, 1340 MW(e), PWR-APR 1400, S. Korea, (31 October)
 - **Ningde 2**, 1000 MW(e), PWR, China, (12 November)
 - **Fuqing 1**, 1000 MW(e), PWR, China, (21 November)
 - **Yangjiang 1**, 1000 MW(e), PWR, China, (16 December)
 - **Fangjiashan 1**, 1000 MW(e), PWR, China, (26 December)

Changes of NPP status during 2007:

- New units:
 - **Kaiga 3**, 202 MW(e), PHWR, India, (11 April)
 - **Tianwan 2**, 1000 MW(e), PWR-VVER, China, (14 May)
 - **Cernavoda 2**, 655 MW(e), PHWR-CANDU, Romania, (7 August)
- Restarts after a long term shutdown:
 - **Browns Ferry 1**, 1065 MW(e), BWR, USA, (2 June)
- Construction reactivation:
 - **Watts Bar 2**, 1165 MW(e), PWR, USA, (15 October)
- Construction initiation:
 - **Qinshan II-4**, 610 MW(e) PWR, China, (28 January)
 - **Severodvinsk - Akademik Lomonosov 1&2**, 2x30 MW(e), PWR-KLT40, Russia, (15 April)
 - **Shin Kori 2**, 960 MW(e), PWR, S. Korea, (5 June)
 - **Hongyanhe 1**, 1000 MW(e), PWR, China, (18 August)
 - **Shimane 3**, 1325 MW(e), ABWR, Japan, (12 October)
 - **Shin Wolsong 1**, 960 MW(e), PWR, S. Korea, (20 November)
 - **Flamanville 3**, 1600 MW(e), PWR, France, (3 December)
- Suspended construction:
 - **Balakovo 5**, 950 MW(e), PWR, Russia

Changes of NPP status during 2006:

- New connection to the grid:
 - **Tianwan 1**, 1000 MW(e), PWR-VVER, China, (12 May)
 - **Tarapur 3**, 490 MW(e), PHWR, India, (15 June)
- Final shutdowns:
 - **Jose Cabrera 1 (Zorita)**, 142 MW(e), PWR, Spain, (30 April)

- **Kozloduy 3&4**, 2x 408 MW(e), PWR-VVER, Bulgaria, (31 December)
- **Bohunice 1**, 408 MW(e), PWR-VVER, Slovakia, (31 December)
- **Dungeness A 1&2**, 2x 225 MW(e), GCR-Magnox, UK, (31 December)
- **Sizewell A 1&2**, 2x 210 MW(e), GCR-Magnox, UK, (31 December)
- Construction initiation:
 - **Qinshan II-3**, 610 MW(e), PWR, China, (28 March)
 - **Lingao 4**, 1000 MW(e), PWR, China, (15 June)
 - **Shin Kori 1**, 960 MW(e), PWR, S. Korea, (16 June)
 - **Beloyarsk 4**, 750 MW(e), FBR, Russia, (18 July)

Changes of NPP status during 2005:

- New connection to the grid:
 - **Ulchin 6**, 960 MW(e), PWR, South Korea (7 January)
 - **Higashidori 1 - TOHOKU**, 1067 MW(e) BWR, Japan (9 March)
 - **Tarapur 4**, 490 MW(e), PHWR, India (4 June)
 - **Shika 2**, 1304 MW(e), ABWR, Japan (4 July)
- Restarts after a long term shutdown:
 - **Pickering 1**, 515 MW(e), PHWR, Canada (26 September)
- Final shutdowns:
 - **Obrigheim**, 340 MW(e), PWR, Germany (11 May)
 - **Barsebäck 2**, 600 MW(e), BWR, Sweden (31 May)
- Construction initiation:
 - **Olkiluoto 3**, 1600 MW(e), PWR, Finland (12 August)
 - **Lingao 3**, 1000 MW(e), PWR, China (15 December)
 - **Chasnupp 2**, 300 MW(e), PWR, Pakistan (28 December)

Changes of NPP status during 2004:

- New connection to the grid:
 - **Qinshan 2-2**, 610 MW(e), PWR, China (March)
 - **Hamaoka 5**, 1325 MW(e), ABWR, Japan (April)
 - **Khmelnitski 2**, 950 MW(e), PWR (WWER), Ukraine (August)
 - **Rovno 4**, 950 MW(e), PWR (VVER), Ukraine (October)
 - **Kalinin 3**, 950 MW(e) PWR (VVER), Russia (December)
- Re-connection to the grid following a long term shutdown:
 - **Bruce 3**, 790 MW(e), PHWR, Canada (January)
- Final shutdown:
 - **Chapelcross A, B, C, D** units, 50 MW(e)/each, GCR, UK (June)
 - **Ignalina 1**, 1185 MW(e), RBMK, Lithuania (December)
- Construction initiation:
 - **Tomari 3**, 866 MW(e), PWR, Japan (October)
 - **PFBR Kalpakkam**, 470 MW(e), FBR, India (October)

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