



wne

WORLD
NUCLEAR
EXHIBITION

PARIS
2018

Global market update

G. KOTTMANN
President AIFEN and WNE

Connect to nuclear
June 26-28, 2018
Paris Nord Villepinte - France

An event by



Organised by



Confidential document for intern use – Propriety of Reed Expositions France



Europe:

- ❖ **UK:** EDF ENERGY: 4 EPR (2 at Hinkley Point, 2 at Sizewell)
HORIZON: 4 ABWR (2 at Wylfa, 2 at Oldbury)
NUGEN: 3 AP1000 at Moorside ?
EDF+CGN: 2 HUALONG at Bradwell, licensing engaged
+ Tender for SMR
- ❖ **BELGIUM:** Life extension for Doel 1&2 and Tihange 1 approved end 2015
- ❖ **POLAND:** ~~3000MW planned by 2028~~ Uncertainty
- ❖ **CZECH REPUBLIC:** ~~Talks to resume tender~~ Project engaged
- ❖ **RUSSIA:** Only russian design
- ❖ **HUNGARY:** one unit VVER at Paks signed with Russia

Connect to nuclear
June 26-28, 2018

Paris Nord Villepinte - France

An event by



Organised by





Middle East: 2 more units at Brakah (UAE)

MOU with Russia for 1 unit at Al Daaba in **Egypt**

2 projects in **Turkey** (4 VVER at Akkuyu, 4 ATMEA at Sinop)

Saudi projects postponed by 8 years

Russian project in **JORDAN**

Comment: many projects delayed due to political uncertainty

Africa: Tender in **South Africa** still not issued, political problems

Asia:

- ❖ **CHINA:** no new project approved in 2016
- ❖ **VIET NAM :** projects postponed indefinitely
- ❖ **INDIA:** strong boost to nuclear projects by MODI Government (700 MW indigenous PHWR+foreign technology), but still problem of nuclear liability law.
- ❖ **OTHERS:** projects considered in Indonesia and Malaysia



North & South America:

❖ **USA:** 4 AP 1000 under construction, DOE funding for SMRs

Evolution since 2016:

○ WESTINGHOUSE bankruptcy endangers completion of Vogtle and Summer projects

○ Strong push for starting or build SMRS

❖ **Brasil:** projects unsure due to financial and political instability

❖ **Argentina:** signature in November 2015 for one CANDU unit to be built by CNNC at Atucha + Cooperation agreement signed in february 2015 for 2 units Hualong + MOU for one VVER 1200 with Russia

Connect to nuclear
June 26-28, 2018

Paris Nord Villepinte - France

An event by



Organised by





Europe:

- ❖ **Germany:** complete shutdown of all nuclear reactors by 2020
- ❖ **France:** closure of Fessenheim depending upon result of Presidential elections
- ❖ **Belgium:** Life extension for Doel 1&2 and Tihange 1 approved end 2015
- ❖ **UK:** decommissioning programme largely engaged

North America:

- ❖ **USA:** two-thirds of America's 99 reactors could shut down by 2030
- ❖ **Canada:** important maintenance programme at OPG (Darlington site, 12,8 Bn \$ over 10 years)

Japan:

- ❖ Decision to shut down 5 aging reactors + IKATA(Shikoku Electric)





- ❖ Future of WESTINGHOUSE ?
 - ❖ Restart of nuclear construction in China ?
 - ❖ Resolution of nuclear civil liability quagmire in India ?
 - ❖ Picking up of SMR projects ?
 - ❖ 1st Gen III units connected to grids
- ➔ 2018 will be THE year for a nuclear rebirth



WNE 2018 will be THE place to be for the international nuclear community:

« Nuclear Excellence, a new era »

wne

WORLD
NUCLEAR
EXHIBITION

PARIS
2018

Connect to nuclear
June 26-28, 2018

Paris Nord Villepinte - France

An event by



Organised by

