

Joint Research & Innovation Centre (JRIC)



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Strategy & Commercial Director,
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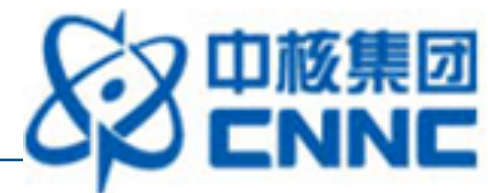
International Business Director,
China National Nuclear Power Ltd.

How it began?

21st Sept 2015



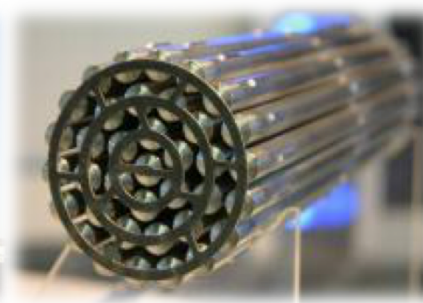
19th Oct 2015



CNNC-Profile

CNNC is a state-owned enterprise with over 100,000 employees and 100 enterprises and institutions.

CNNC is internationally known for the delivery of safe, innovative and reliable energy across its nuclear applications.



CNNC- Nuclear Capabilities

**CNNC built China's first NPP
Qinshan 1 in the 1980s.**

**As of 2015 CNNC have 14 units in
operation and 10 units under
construction.**

**CNNC has knowledge and experience in
NPP design, construction, operation,
services**

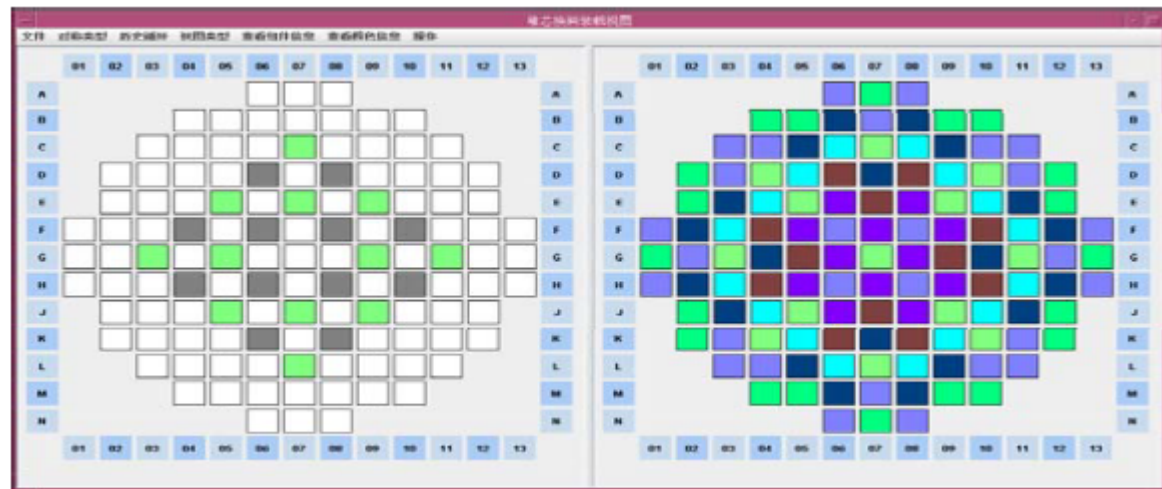
**CNNC supply fuel for a variety of
reactors including CANDU, VVER,
AP1000 and HPR1000.**



China / UK 50% matched fund basis £25m each over 5 years

- National level platform to access UK and China supply chain and academic organisations
- Development of joint technology in areas such as advanced reactors, fuel, manufacturing, decommissioning, waste treatment and digital reactor technology
- Development of international market opportunities through the deployment of cutting edge scientific research
- Maintenance and creation of UK and China nuclear skills and jobs

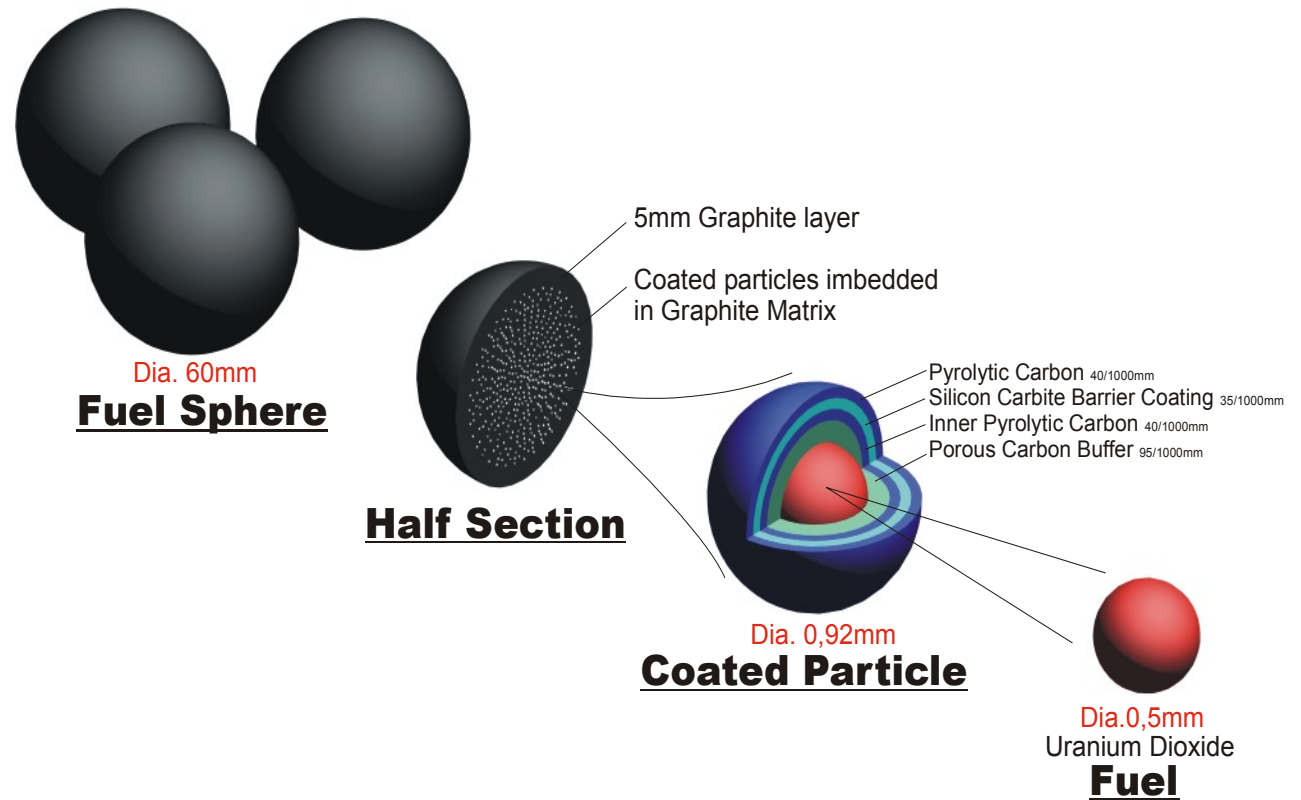
Advanced Reactor Technology



Decommissioning & Back End Services



Advanced Fuel



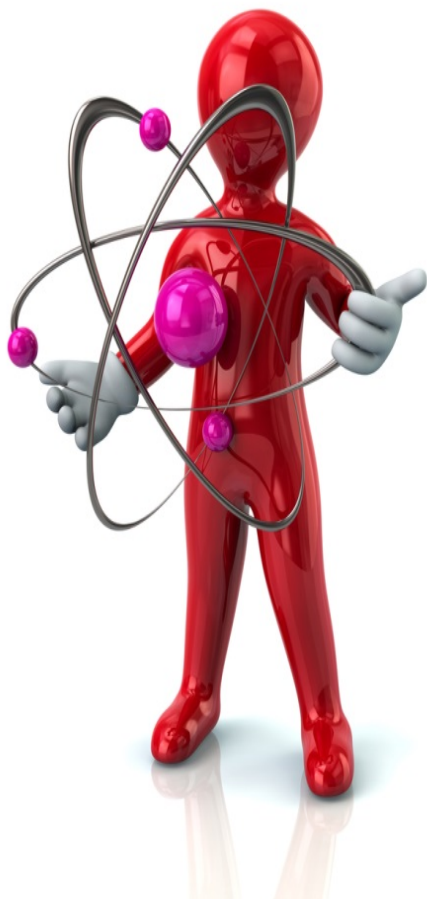
- 17 technical collaboration topics shortlisted and agreed - now being prioritised down to 3-4
- Form of legal entity for the JRIC has been confirmed and most of the Heads of Terms have been agreed
- Branding/website being developed, Logo confirmed
- Governance structure and Financial mechanisms all under discussion – **Critical Milestone**
- Export Control / EU Procurement training has commenced
- HR Recruitment discussions commenced and organograms produced

Risks

- Security – Personnel, IT, UK and China Access, Vetting
- Export Controls
- Impact on international relationships / other countries
- Respective national plans and how these could affect JRIC decisions.
- State Aid and European Procurement – ensure we remain legal
- UK and China Funding arrangements – how funds flow into JRIC legally and mutually



Next steps?



- Continue to refine list of Technical Projects
- Continue to work through implementation plan mindful of risks and stakeholder engagement
- Engage with UK and China Governments and shareholders on next steps, money flows and appropriate governance model
- Final agreement of Heads of Terms
- Shareholder Agreement and Articles of Association to follow
- Business case approved by both shareholders
- Commence the recruitment of full time JRIC staff
- Office opening Autumn to coincide with Economic and Financial Dialogue

