



Westminster Energy Forum 2008
Investing in nuclear new build: risk & reward

Max Ter Linden - Head of New Energy Technologies
Group



We deliver the full product spectrum to the power sector globally

Over 200
dedicated
energy
specialists
worldwide

Offices in
over 60
countries


Dedicated
New
Energy
Technology
Team

**M&A and
public
listings**

**Equity and
debt
financing**

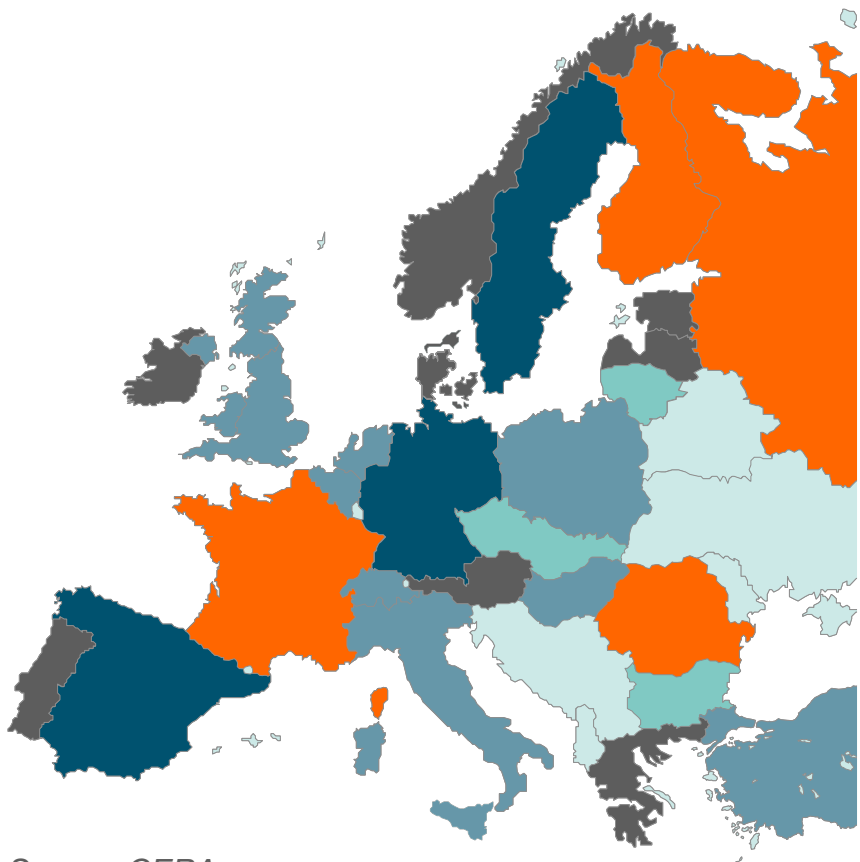
**Fixed
income and
derivatives**






**Bonding
and export
financings**

- 
- Number two in European power & utilities M&A in 2007
 - Unmatched structured finance capability with RBS
 - Selection of key recent advisory roles:
 - Iberdrola on Scottish Power and Energy East
 - TGK 1 on sale to Gazprom
 - Suzlon on acquisition REpower
 - Merger Gaz de France and Suez
 - Eskom on various power projects

The nuclear renaissance is shaping up

Countries are very different in approach

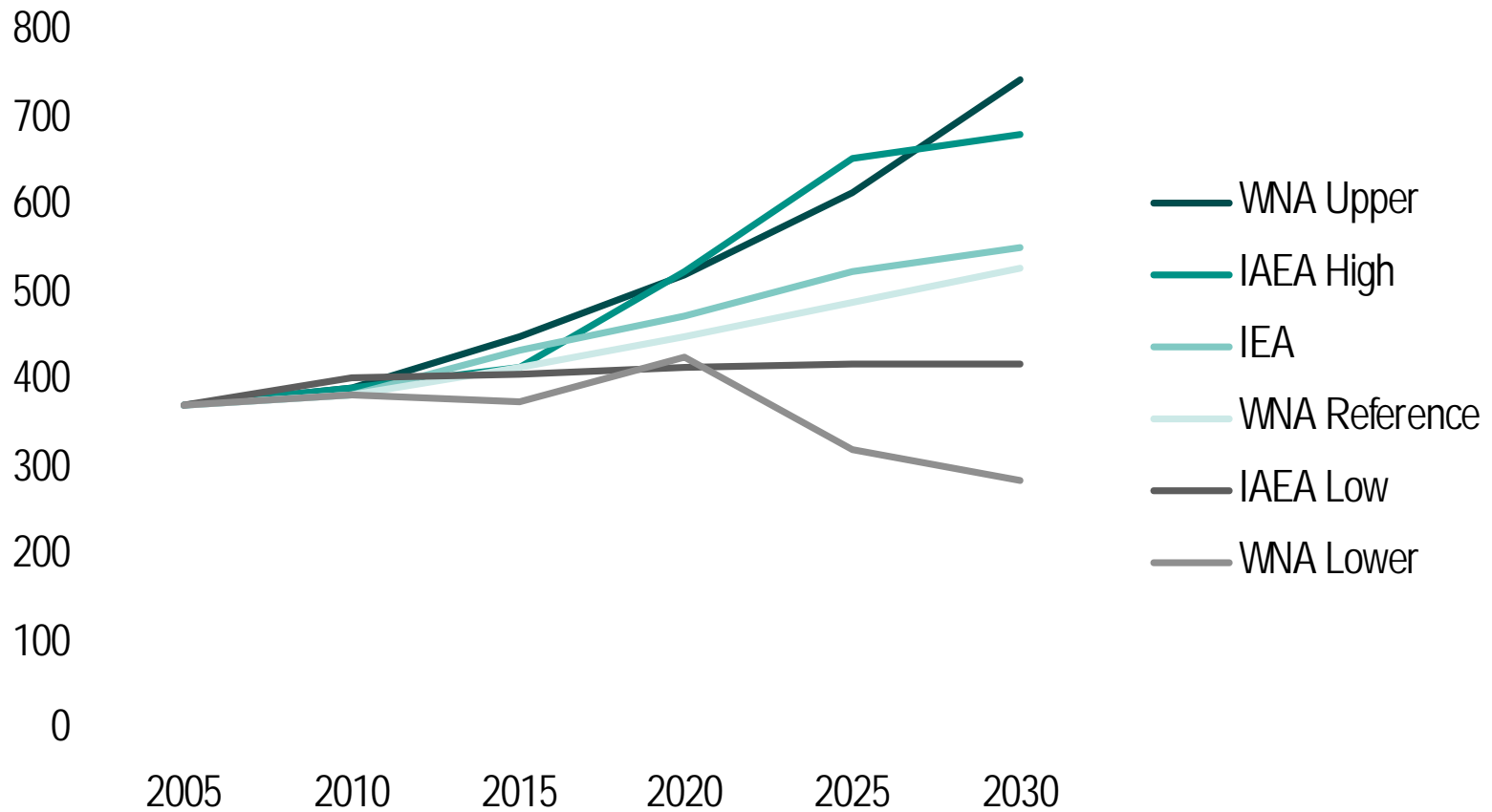


-  Nuclear construction
-  Probable new nuclear (plant identified)
-  Possible new nuclear (strategy)
-  End of nuclear but possible change
-  No nuclear / end of nuclear

Source: CERA

Nuclear GW expected to increase but uncertain

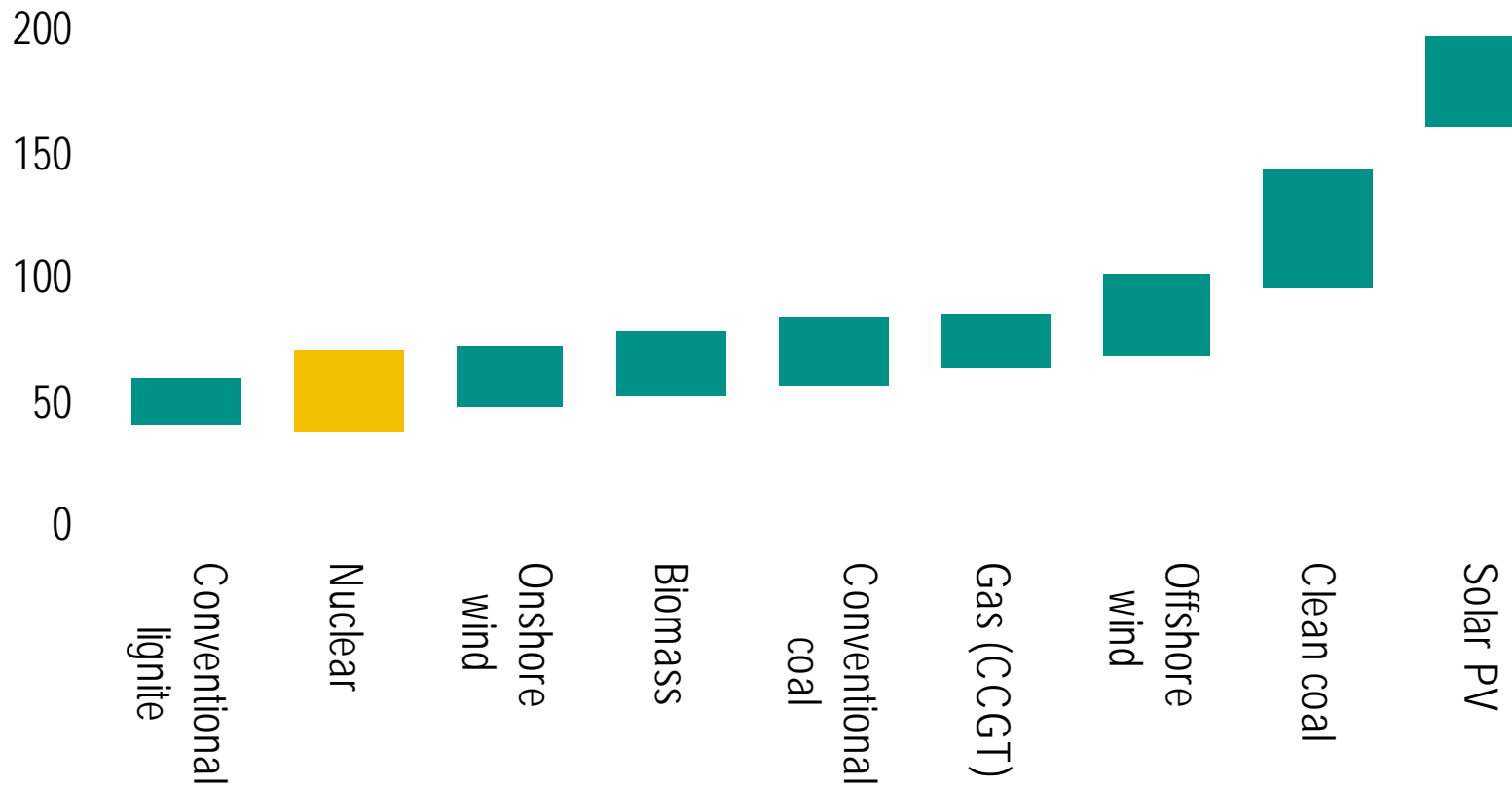
Forecasts for operational nuclear GW



Sources: WNA, IAEA, IEA

Economics of nuclear seem attractive

All-in cost estimates for power generation (2013 EUR/MWh real)



Source: ABN AMRO estimates

Technology options are not all that broad



EPR – 1,600 MW – France, Finland, US, South Africa



AP1000 – 1,117 MW – US, China



ESBWR – 1,550 MW - US



ASE – 1,000 MW – Russia, India, Bulgaria, China



APWR – 1,500 MW - Japan



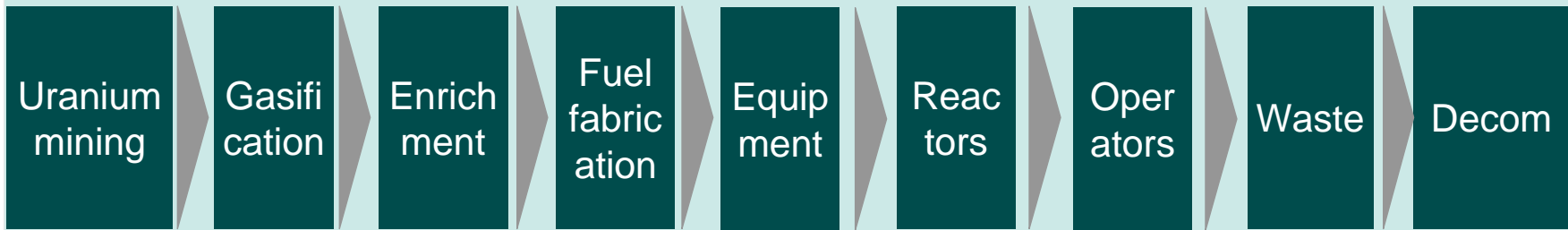
APR – 1,000/1,400 MW – South Korea



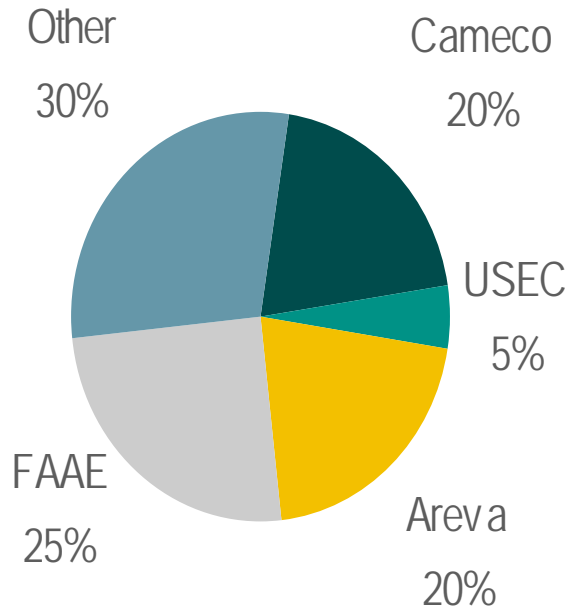
ACR – 1,000 MW – Canada, India

The fuel cycle seems concentrated

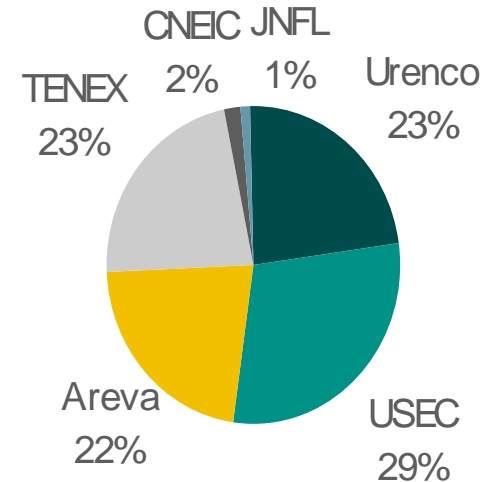
Nuclear value chain



Uranium mining



Enrichment



Other key topics



The rewards are there but key risks to be resolved

- Clear risk allocation between Government and project
- Strong and stable legislative framework
- Suitable sites and portfolio approach
- Supply chain bottlenecks
- Construction risk mitigation
- Shortage of people

