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Nuclear Energy Construction Programme UK 2008-2018

New AMA report provides a major review of this significant sector

"The UK Government has advised that the use of both nuclear power and renewable technologies as low carbon sources of energy are key solutions to the UK's energy gap beyond 2012 and have announced a major programme of new nuclear power stations to be built from 2013 onwards, subject to the necessary regulatory approvals, which could be worth up to £25 billion to the construction sector."

A brief summary of the report is included on the following page.

Priced at £650, the report is currently available from AMA Research Ltd,
Telephone 01242 235724 or e-mail at sales@amaresearch.com.

Editors Note:

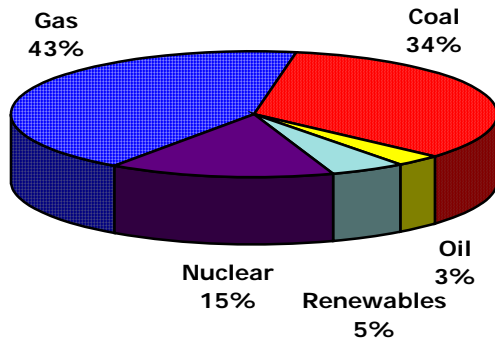
Attached is a summary of the report. Please use brief extracts if you wish, **but we would request that references to company market shares are not published without our prior permission.**

If you would like to receive an editorial review copy or would like to speak to an author of this report, please contact Andrew Hartley or Chris Moore on (01242) 235724.

Please include our web address and telephone number on any review printed, it would also be appreciated if a copy of the review could be forwarded to AMA Research. Thank you.

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Nuclear Energy Construction Programme - UK 2008-2018



Electricity Generation Mix – Share by Fuel Type 2007

AMA Research has recently published the 1st Edition of the UK Nuclear Energy Construction Programme Report. The report provides a comprehensive and easy to use review of the nuclear energy sector, assessing the scale, timing and procurement processes for the construction of new facilities over the next 10-15 years.

Historically, the UK has met most of its energy needs from domestic sources of coal, and, since the 1970s, oil and gas from the North Sea. Since the 1950s, nuclear power has generated a significant proportion of electricity, reaching a peak of nearly 30% of electricity output in the 1990s, though this has declined to around 15% as illustrated in the chart. Over the past decade, nuclear power met about one-fifth of the UK's electricity needs. The UK currently has 19 operating nuclear reactors at 10 power stations, which, if operating to full capacity, have the potential to provide around 20% of the electricity in the UK and around 3.5% of total UK energy use.

Many nuclear power stations are now too old to continue to operate efficiently and safely and are currently undergoing a programme of decommissioning. No new nuclear power stations have been built in the UK since 1994 and most existing reactors are scheduled to close in the next 20 years, which will leave the Country heavily reliant on increasingly expensive and scarce supplies of oil and gas and renewable sources of energy to replace nuclear power production and relieve the UK's reliance on fossil-fuels.

In January 2008, the Government gave the go-ahead for a new generation of nuclear power stations, which will provide "clean, secure and affordable energy" that is vital in tackling climate change and securing the UK's future energy supplies.

The decision by the Government to support a nuclear new-build programme has made the nuclear sector the potential to be the fastest growing construction market and created a wide range of construction opportunities. The Government has not given any official figures for the cost of the programme, but with 10-12 new reactors expected to be built at a cost of around £1.5 – £2 billion each, the total costs of the Programme if all reactors are built could be in the region of between **£15-25 billion**. The earliest of these new reactors could begin on site by 2013 and by 2020 several plants could be in operation, though these dates are subject to slippage given the controversy of the decision.

The report reviews the key issues affecting the nuclear new-build programme including the estimated costs and timetable for construction, key players involved and an analysis of the four reactor designs already submitted for approval. With nuclear energy back on the Government's agenda, the report also explores the market opportunities ahead for the construction industry and the wider supply chain.

AMA Research's report "**Nuclear Energy Construction Programme – UK 2008 - 2018**" is available in hard copy or electronic format for £650 and can be ordered online at www.amaresearch.co.uk or by calling 01242 235724.