



MEMO

11 May 2015, Barcelona

Background information on the ITER Neutral Beam remote handling system contract

What is the scope of the contract?

Fusion for Energy has signed a contract for the design, manufacturing, factory testing, delivery, on-site integration, commissioning and final acceptance tests for ITER's Neutral's Beam remote handling system.

What is the duration of the contract?

The planned duration of the contract is seven years.

What is the value of the contract?

The overall value of the contract is in the range of 70 million EUR.

To whom is the contract awarded?

The contract is awarded to AMEC Foster Wheeler. Under the leadership of AMEC Foster Wheeler, a group of laboratories and companies such as CCFE- the Culham Centre for Fusion, the UK's Fusion National Laboratory, Reel SAS of France, Wallischmiller Engineering GmbH of Germany, Hyde Group of UK, Capula of UK and VTT, the Technical Research Centre of Finland, will share their expertise in robotics and contribute to the works.



Amec Foster Wheeler designs, delivers and maintains strategic and complex assets for its customers across the global energy and related sectors. With pro-forma 2013 annualised scope revenues of £5.5 billion and over 40,000 employees in more than 50 countries, the company operates across the whole of the oil and gas industry – from production through to refining, processing and distribution of derivative products – and in the mining, clean energy, power generation, pharma, environment and infrastructure markets.

Within our nuclear business, we stand out for our ability to bring world-leading expertise, technology and scientific capabilities to customers' challenges. With 3,300 nuclear specialists around the world, we're able to support our customers with local expertise. We have been delivering in the nuclear sector since the beginning and have played a critical role in major nuclear projects around the world. Amec Foster Wheeler shares are publicly traded on the London Stock Exchange and its American Depository Shares are traded on the New York Stock Exchange. Both trade under the ticker AMFW.

Contact point: Harold Ashurst

Staff: over 40,000 employees

Website: www.amecfw.com

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Culham Centre for Fusion Energy (CCFE) is the UK's national laboratory for fusion research. CCFE (formerly known as UKAEA Culham) is based at Culham Science Centre in Oxfordshire, and is owned and operated by the United Kingdom Atomic Energy Authority.

In addition, CCFE hosts the world's largest magnetic fusion experiment, JET (Joint European Torus), on behalf of its European partners. The JET facilities are collectively used by European fusion scientists, coordinated by a programme management unit at Culham. JET is situated next to the UK fusion laboratory. Around 500 people are employed at the JET facilities, with around 350 European scientists visiting each year to conduct research, and many from outside Europe.

Contact point: Martin Townsend

Staff: 500 employees

Website: www.ccf.ac.uk

Address: Culham Centre for Fusion Energy, Culham Science Centre, Abingdon, OX14 3DB, Oxfordshire - UK.



REEL, founded in 1946, is an Integrated Engineering Company specialized in the Design, Manufacture and Field Services of lifting & Handling Equipment Systems dedicated to key industrial sectors such as Nuclear, Hydropower, Defense, Aeronautic, Offshore Oil & Gas, Aluminium and Industry (production facilities, incineration plants) worldwide markets.

REEL with its subsidiaries (MC Leverage REEL, REEL UK, AEMCO, REEL Middle-East) is part of the REEL group, a family owned Company formed with its sister Entities NKMNOELL Special Cranes GmbH in Germany and COH Inc. in Canada and with implantations in Middle East, China, Russia and Brazil as well. With a global Turnover of € 400 million with 1800 employees worldwide, REEL group activities has grown continuously with a strong financial position and a well-recognized expertise by important end-users (EDF, EADS, AREVA, CEA, DGA, CGN, Rusal).

REEL is also the supplier of specific Remote Handling equipment for Hot Cells and of high safety Cranes (La Hague Reprocessing Plant, MELOX Mox fuel factory – GB2 Enrichment Plant – Laser Mega Joule – Sellafield nuclear facilities in UK).

Contact point: Jean-Yves Peron

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Wälischmiller Engineering is a German company which has been providing safe, smart and cost-effective remote handling solutions with the famed German quality and reliability for over 60 years worldwide. The company specialises in manufacturing remote-handling systems, radiation protection equipment and robotics for hazardous environments for application in nuclear and chemical industries. Our work includes projects in the most difficult nuclear environments including, Sellafield, Rokkasho and Chernobyl.

Wälischmiller has a hard earned international reputation for performance, excellence in engineering and exceptional robotic hardware. In the most difficult and challenging nuclear environments, Wälischmiller has demonstrated the ability to bring solutions and success to many of the most difficult high-radiation remediation challenges.

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Hyde Group

Hyde Group Nuclear (HGN) provides engineering and manufacturing solutions to the nuclear industry. Building on Hyde Group's 30+ years' of experience supporting Nuclear clients, the specialist Nuclear division was established in 2012 to offer dedicated support.

HGN is part of Hyde Group, a privately owned, UK based international business which offers design and manufacturing across a range of highly regulated industries. With over 45 years' experience, Hyde Group is differentiated by its diversity, capacity and capability, providing its customers access to more than 20 discrete manufacturing facilities. Hyde Group's multi-skilled work force consists of over 1,400 technical personnel, enabling HGN to offer access to a flexible and comprehensive service. The company's core offering is focused around a number of specific product ranges including: Mechanical Handling Equipment, Robotics and Automated systems, Shielded Equipmen, Gloveboxes and Containment.

Contact point: Will Pearson (wpearson@hydegroupp.com t; +44 161 342 1900)

Staff: employees: 30 (Hyde Group Nuclear) 1,400 (Hyde Group)

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Capula is a specialist in advanced automation and real-time business intelligence spanning over 45 years. The company is recognised for providing innovative project delivery, quality and safety solutions throughout the UK, employing over 250 engineers who design, deliver and support business-critical systems for their clients. Capula has extensive experience in nuclear decommissioning and waste management.

As well as being a leading 'Tier 1' and 'Tier 2' supplier to companies such as Sellafeld Limited, British Energy, the UKAEA, Magnox North and South, AWE, Urenco Chem Plants and Urenco UK, Capula is aligned to a number of Multi-Disciplinary Design Houses (MDDH) operating in the nuclear sector, for whom they work as subcontractor on major new build projects.

Capula is part of Imtech UK, one of the UK and Ireland's largest and most successful broad-based technical services providers with 2860 employees delivering high quality solutions for national and international customers through our extensive network of offices.

For more details of Capula's capabilities, please visit

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The MAGyICS research group has strong competence in developing ultra-high total dose radiation tolerant IC's. The group conducts its research within the cooperation of the University of Leuven (KULEUVEN) and the Belgium Nuclear Research Centre (SCK-CEN). Since its creation in 2008, the group has delivered many integrated electronic solutions for SCK-CEN, fusion and fission industry.

For more details of MagyICS' capabilities, please visit

Contact point: Jens Verbeeck (jens.verbeeck@esat.kuleuven.be t: +32 (0)16 37 28 83)

Staff: Magyics 4 employees KULEUVEN direct support: 69 employees

Website: www.iterbelgium.be/en/system/files/upload/MAGyCs.pdf

Address: KU Leuven, Div. LRD MAGyICS, Kasteelpark Arenberg 10, Room 91.16, B-3001, Heverlee, Belgium



VTT Technical Research Centre of Finland (VTT) is a globally networked multi-technological contract research organization providing high-end technology solutions and innovation services. VTT enhances their customers' competitiveness, thereby creating prerequisites for society's sustainable development, employment, and wellbeing. VTT is a part of the Finnish innovation system under the domain of the Ministry of Employment and the Economy. VTT is a not-for-profit organisation.

Since its establishment 70 years ago, VTT Technical Research Centre of Finland has been an important centre of technological expertise and a developer of new technologies in Finland and throughout Europe. The organisation has grown to become Northern Europe's largest multi-technological research organisation with a turnover of €290 million, employing in excess of 3,100 staff.

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**TAMPERE
UNIVERSITY OF
TECHNOLOGY**

Tampere University of Technology (TUT) conducts research in the fields of technology and architecture and provides higher education based on this research.

The University combines a strong tradition of research in the fields of natural sciences and engineering with research related to industry and business. Technology is the key to addressing global challenges. TUT generates research knowledge and competence for the benefit of society.

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