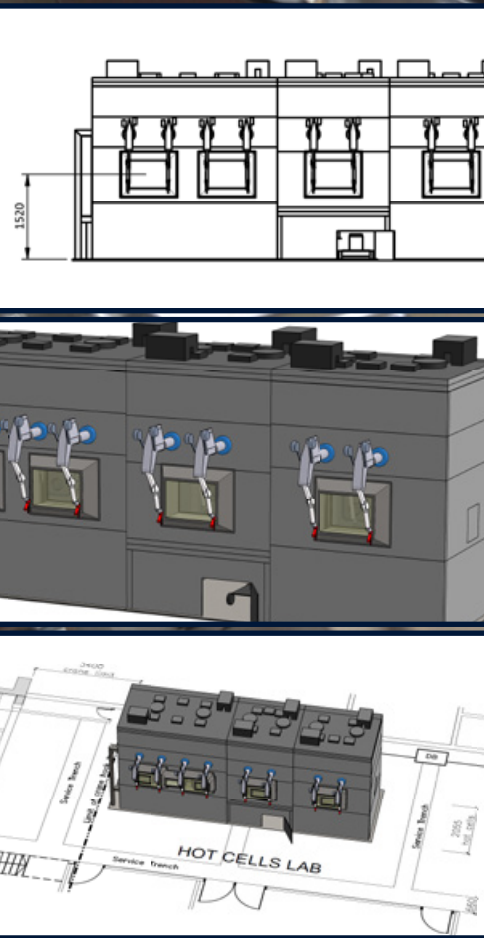




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NEWS

The newsletter for the nuclear & nuclear medicine professional



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ISSUE NUMBER:

02





↑ Dave Barker, CEO, Aquila

WELCOME

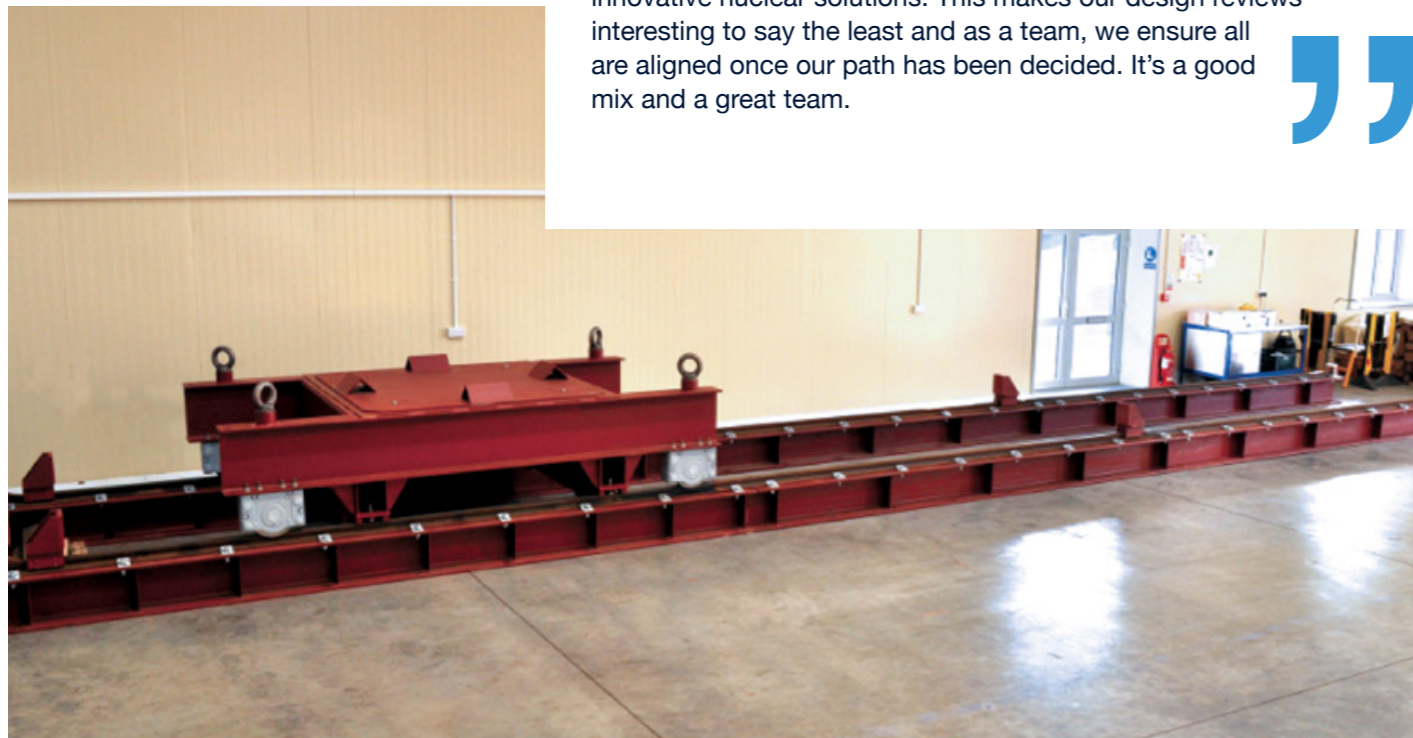
OF MY 25 YEARS IN THE NUCLEAR INDUSTRY, THIS IS THE MOST EXCITING WITH OODLES OF OPPORTUNITIES

Since joining the nuclear industry in the late 80s when Sizewell B was in progress, we have experienced a cliff edge decline in nuclear new build due to the lack of a UK energy policy. We are now witnessing a true renaissance in the industry and not just within the UK.

This nuclear renaissance has evolved over the past few years and is a combination of decommissioning, life extension and defence. In addition, we now have new nuclear build on the horizon. Certainly, we have witnessed a shift in contract strategy within the NDA whereby we are seeing more nuclear opportunities direct with the tier 1s. This has enabled Aquila to “shine” particularly in areas where innovation results in cost savings by adopting a fit for purpose solution with a fit for purpose price. More of this on page 8.

Our progress in the nuclear medicines industry has also advanced with the design and delivery of highly flexible research and production suites, for the radiopharmaceuticals industry throughout Europe.

Aquila grows by the month and we are mixing it up with engineers from other industries and other countries. Our new recruits are young, keen and prepared to join the old guard in providing innovative nuclear solutions. This makes our design reviews interesting to say the least and as a team, we ensure all are aligned once our path has been decided. It’s a good mix and a great team.



AQUILA NUCLEAR ENGINEERING HAS BEEN APPOINTED AS THE SOLE UK DISTRIBUTOR FOR GETINGE-LA CALHÈNE (GLC)

PRODUCTS IN THE NUCLEAR & NUCLEAR MEDICINES MARKET.

Getinge-La Calhène designs, fabricates, installs and services, standard and customised equipment for clients within the nuclear industry. This equipment either protects the client’s product from the external environment or protects the customer’s facilities and personnel from potentially dangerous products.

Getinge-La Calhène’s process experience has been acquired over many decades, following its pioneering work in the nuclear industry, since the mid sixties. This technology is now employed, not just in the nuclear industry but also in the healthcare and life science markets. Since the 1960s, Getinge-La Calhène has been supplying remote manipulators and transfer systems for the protection of the operator against alpha particles and gamma radiation. The products fall into three main categories:

- **Manipulation:** Getinge-La Calhène is one of the leading global suppliers of manipulators. A full range of Master Slave Manipulators (MSMs) is available for use in shielded cells and glove boxes.
- **Transfer:** Getinge-La Calhène is the world leader for sealed transfer systems. From the first DPTE® system, originally designed in the 1960s, Getinge-La Calhène has developed a large range of products, providing safe on-site transfer and secure open road transportation, for radioactive material. Over 15,000 DPTE® and 300 Padirac systems are in operation around the world.
- **Transportation:** Getinge-La Calhène offers safety for the environment and nuclear operators. Padirac and Agnes are unique systems adopting the use of the DPTE® transfer systems and B(U) packages, that allow safe transfer on site and transportation on public roads, in accordance with the IAEA regulations.

COMMENT FROM

Christophe Selliez, Vice President, Nuclear Activities of Getinge-La Calhène said:-

“Since my appointment as Vice President, Nuclear Activities, I had been actively seeking a partner to represent our products and services in the UK. Following detailed discussions with Dave Barker (CEO) of Aquila, we quickly concluded that the team at Aquila held the market knowledge, technical capability and commitment to support our growth in the UK and, importantly, provide a premier service to our existing and future client portfolio.”

Dave Barker, CEO of Aquila Nuclear Engineering said:

“At Aquila, we have worked for many years with different suppliers for manipulators, posting systems and transport packages. The Getinge-La Calhène product portfolio has the largest, globally installed base and we are proud to have been selected to support their growth plans in the UK. The Getinge-La Calhène products enhance our existing offering in our 4 core, nuclear sectors, in containment, remote handling, shielded facilities and transport packaging.”

AN INTERVIEW WITH CHRIS THOMSON



SOME TWELVE MONTHS
ON FROM JOINING AQUILA
NUCLEAR ENGINEERING,
EVERY WEEK HAS SEEN
THAT DECISION PROVEN,

Also refreshing, is to work with a business with a simple and pragmatic Quality Management System that actually does improve the efficiency and effectiveness of our company operations.

It is an exceptionally exciting time for our business. Together we are tendering and winning work for major clients within our industry – beating larger and more established competitors in the process. In a two month period, we have increased our design resource by 150% and will continue to increase our commitment to the development of our young, in-house talent.

I am extremely privileged to have joined Aquila at this time and work with the Team in, what I am confident will be, an ever more successful company.

Thank You,

Chris Thomson, Engineering & Projects Director

MORE AND MORE, TO BE THE RIGHT ONE.

Staffed with like-minded Engineers, the whole essence of the company is to project deliver cost effective and timely solutions to our customers' requirements in an efficient and professional manner.

We are achieving this with our highly disciplined and self-motivated staff that intertwine across disciplines to foster a genuine team environment that is serious in its commitment to deliver, but also able to have fun in doing so.

It is refreshing to work with a company that has true focus, is secure about its identity and has solid backing from its highly professional and successful parent company, Calder Group Limited.

→ "IT IS A TRULY EXCITING TIME FOR OUR BUSINESS. TOGETHER WE ARE TENDERING AND WINNING WORK FOR MAJOR CLIENTS WITHIN OUR INDUSTRY."



INDUSTRY NEWS

↓ NUCLEAR AND NUCLEAR MEDICINES

↓ NEW JOBS AT HORIZON NUCLEAR POWER-

// Daily Post 30th Jan 2014

A batch of new jobs are being advertised in a move that the company behind plans for the Wylfa Newydd nuclear plant has hailed as "an important step forward".

Horizon Nuclear Power says it is looking at employing up to 30 staff this spring.

The roles, advertised on Horizon's website, are mainly in the engineering and project development fields, looking for people with experience of managing large scale projects.

These jobs would be shared between Wylfa on Anglesey and Horizon's Gloucester HQ.

This comes as a new report was released this week, noting that up to 18,000 construction jobs are expected to be created in Wales over the next five years – a large chunk of them on the Wylfa project.

↓ BEGBROKE SCIENCE PARK RECEIVES BACKING

TO BUILD INNOVATION ACCELERATOR-

// B4 Magazine 30th Jan 2014

Begbroke Science Park was one of the winners in a deal in which £67m of funding was pledged to fund the future development of four science hubs in Oxfordshire.

The Chancellor, George Osborne, pledged £30m of Government money during a tour of Begbroke Science Park yesterday afternoon. Begbroke will receive £4.2million from the Government, which will be matched by £7m from Oxford University to build a new Innovation Accelerator at the Park.

The new multi-use building will help small and medium-sized science businesses take their projects to market, and provide facilities for researchers from the University developing new innovative products and technologies.

↓ "GERMANY'S PLAN TO SHUN NUCLEAR: TOO AMBITIOUS TO ACHIEVE" REPORT TO THEIR OFFERING. –

// Dublin-Business Wire 30th Jan 2014

Germany's ambitious decision of phasing out nuclear power looks to be too ambitious to achieve. The country has yet to formulate an energy mix that can produce stable, reliable and affordable electricity to meet the growing energy demand as well as its meet emission

reduction target. The country is investing heavily in renewable energies, increasing the share of renewable in the energy mix and this has caused an increase in electricity prices.

Furthermore, due to the intermittent nature of renewable sources, the energy that they produce is not as stable and is of lower quantity than that which is produced by nuclear energy. Currently, coal and gas are being used to offset nuclear closure, which in turn is leading to higher carbon emissions.

AQUILA CONTINUES TO GROW

I AM DELIGHTED TO REPORT THAT CALDER GROUP'S INVESTMENT IN AQUILA NUCLEAR ENGINEERING IS BEING REWARDED BY A STEADILY INCREASING ORDER BOOK AND CUSTOMER LIST.

I would like to thank our tier 1 and tier 2 customers for placing their faith in this new company.

I believe that an important element of the success of Aquila is the design and engineering approach that the team adopts. We try to look afresh at every project, and to look beyond the conventional. By doing this, by going the extra mile, we aim to find the best solution for every challenge and the best way to maximise the value created for each client.

We, at Calder Group, will continue to support this approach and will continue to back the management team of Aquila with the resources they need as they continue to grow the scale of the company.

Ben Travers, CEO, Calder Group

CALDER GROUP NEWS

HELANDER WINS APPROVAL FROM ROLLS-ROYCE CIVIL NUCLEAR

Helander Precision Engineering has been awarded a highly valued 'Certificate of Approval' by Rolls-Royce Civil Nuclear of Derby.

This award recognises a three-year relationship during which Helander has supported Rolls-Royce in bidding for major Areva EPR and Westinghouse AP1000 Nuclear / Turbine Island work packages, in readiness for the UK's nuclear new-build programme.

Helander, which has over 30 sophisticated CNC machines in its fleet, has been mainly focused on directional drilling components for the oil & gas exploration sector. However, it has over 12 years' nuclear supply expertise, including manufacture of Nuclear Safety Class 1 (NSC1) items. The company has invested in a new dedicated nuclear manufacturing facility, opened in mid-2012, which demonstrates the high level of commitment sought by Rolls-Royce in developing their nuclear new-build supply chain.

[A copy of the Calder Group review 2012-2103 is available on request from sales@aquilaeurope.eu](mailto:sales@aquilaeurope.eu)



NDA ACTION PLAN FOR SMEs

DAVE BARKER, CEO OF AQUILA, HAS BEEN INVITED TO JOIN THE SOUTHERN REGION STEERING GROUP WHICH CONSIDERS WAYS OF MAKING THE PROCUREMENT PROCESS WITHIN SITE LICENCE COMPANIES AND TIER 2 CONTRACTORS, "SME FRIENDLY".

The NDA has recently published a three year plan to support greater opportunities for SMEs working in the UK's decommissioning market. The SME action plan has been launched to meet the Government's requirement for all departments to develop proposals that will help to increase the proportion of public contracts awarded to the SME community.

The SME steering group meeting, held at Harwell, set the scene with Neil Foreman, chairman of Centronics, a nuclear Instruments SME acting as chairman with NDA, SLCs and tier 2s present along with SME representatives. Following healthy debate and lively discussions, the first session resulted in some suggestions for quick wins which have already been implemented.

Dave commented, "This is a great initiative because it winds the industry back 15 years when innovative solutions provided by SMEs could influence the front end design. This innovation can result in significant cost savings, reduction in programme and reduced risk. Some people say you can't turn back time, well, you can if it makes perfect sense and saves the taxpayer loads of money."

AQUILA NEWS IN BRIEF

FRENCH MTF HOT CELLS



Aquila are in the final stages of a feasibility study assessing the suitability of an existing concrete shielding cell and 3 lead Hot Cells within a Material Testing Facility in France. The scope included engineering substantiation, scheme design, seismic qualification, decommissioning strategy and replacement price and programme for the cells. Chris Thomson of Aquila said,

" THIS HAS BEEN A GREAT EXAMPLE OF BRITISH AND FRENCH ENGINEERS WORKING TOGETHER SOLVING NUCLEAR CHALLENGES IN A DEMANDING ENVIRONMENT."

AQUILA WINS MAGNOX CONTRACTS

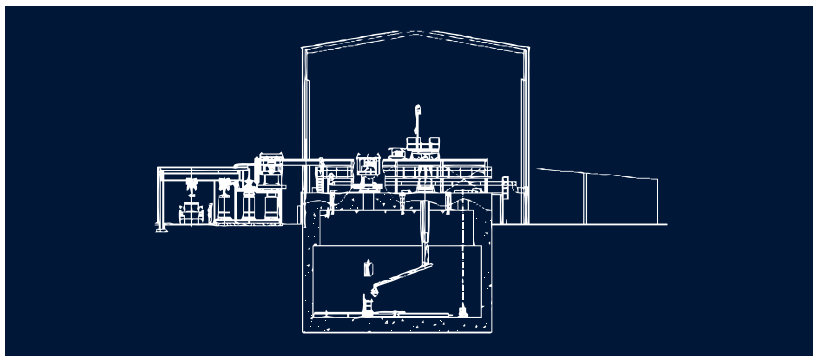
MAGNOX LTD HAS AWARDED 2 DESIGN AND BUILD CONTRACTS TO AQUILA NUCLEAR ENGINEERING LTD FOR DECOMMISSIONING AT BERKELEY IN GLOUCESTERSHIRE.

Both contracts are for the Chute Silo waste retrieval project with a combined contract value in excess of £1,000,000. Both contracts include design, detail manufacturing drawings, manufacture, factory assembly and testing and installation on site at Berkeley.

The Transfer flask was the first contract award quickly followed by the import Export facility. Both contracts include novel yet simple design features resulting in highly competitive solutions.

The Magnox Project Manager Chris Burden said

"The Aquila offer was a breath of fresh air, simple, pragmatic and very competitive. Magnox are tasked with undertaking decommissioning at pace and at good value, working with Aquila from the tier 3 arena goes a long way towards helping us achieve this."



EVENTS

20TH MARCH 2014
Nuclear - Exhibition, Risley

28TH MARCH 2014
Nuclear Medicines - Conference, Hannover

13TH MAY 2014
Nuclear - Exhibition, Culham

14TH MAY 2014
Nuclear - Exhibition, RAL

5TH JUNE 2014
Nuclear - Exhibition, Dounreay

18TH OCTOBER 2014
Nuclear Medicines - Conference, Gothenburg

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