



HJ CONNECTS

ISSUE 8, SEPT 2017

FOREWORD FROM PETER HARGREAVES, MD

HJ CONNECT INTRO – September 2017

In the last HJ Connect published in May, I said I was looking forward to the near future when the first Director who has come up through the HJ ranks so to speak, sits down for the first time at a Board Meeting and that I believed that this would happen sooner rather than later. Well, I am very pleased to announce the Promotion of Ronan Donaghey to the position of Director with Hargreaves Jones from Friday 22nd September 2017 when he will be attending his first Board Meeting.

We have been developing our staff internally for some time now, with staff undergoing APC mentoring and support to attain MRICS membership - this is with a good success rate to date, and with more to come in the future if my judgement holds true with regards to the talent I see at the APC meetings that I have been attending of late. In addition, we have introduced web based training modules, with two staff presently undertaking NEC3 training and more on the way with NEC4 and JCT courses. These training modules are currently being targeted at specific individuals to whom this would be most beneficial. We have also recently had two members of staff, funded by the business, undertake Llm Construction Law and Arbitration courses of which both have been successful and are undertaking their final dissertations. One member however, has decided to complete this at another business and I wish him all the best for the future.

I said it recently but reiterate, that good people make a good business and progression through the business is what makes me proudest of what we are achieving and building for the future at Hargreaves Jones. I am sure you will, after some good-natured ribbing, give Ronan your full support as he takes up his new role, as will the rest of the Board, who are looking forward to his strong contribution in taking the business forward.

Speaking of role changes, I have now relinquished personally working on major commissions with Clients, which I must admit I will miss. This enables me to concentrate on ensuring that the key deliverables of staff training, support, retention and recruitment as well as managing existing and winning new Clients are being addressed. The size of the business is such that the requisite dedicated time needs to be expended on these key deliverables if we are to meet our growth targets, and from the 1st September 2017 I have assumed this role. It will enable me to get around our staff and Clients more and therefore I look forward to seeing you all on a regular basis.

Finally, it's getting around to that time of year when the industry renowned Hargreaves Jones annual weekend get together is being planned. I'm not going to say too much at this time while details are being finalised but do make sure that you put the dates of 26th and 27th January 2018 in your diaries to ensure you don't miss out on what is traditionally a fabulous weekend.

Stay healthy and enjoy life.

Regards

Peter Hargreaves



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A Market Engagement with Instrument Suppliers for an Enhanced Analytical Capability within NNL Central Laboratory at Sellafield Nuclear Facility

Hargreaves Jones recently, through Peter Hargreaves who has been working with Sellafield for a number of years, provided commercial and management support to Sellafield Ltd (SL) in the organisation and undertaking of a market engagement with instrument suppliers for a new project to provide an enhanced analytical capability within the NNL Central Laboratory at the Sellafield Nuclear Facility.

The Sellafield site covers six square kilometres and is the home to more than 200 nuclear facilities and the largest inventory of untreated nuclear waste in the world. Sellafield Ltd employ 11,000 people, who along with supply chain partners, are tackling a current diverse portfolio of decommissioning, reprocessing, spent fuel management, nuclear waste management and nuclear material management. A necessary requirement of these operations is the provision of an onsite Nuclear Analytical Laboratory which is the largest of its type in Europe. However, due to it being housed in some of the sites oldest facilities, Sellafield Ltd want to establish within a modified National Nuclear Laboratory, an analytical capability that serves the whole of the Sellafield site enabling the ramp down and the retirement of a significant proportion of the existing laboratory capability. This project on completion will be the largest Nuclear Analytical Laboratory complex in Europe.

The project title for the above work is The Replacement Analytical Project or RAP for short. It will provide the analytical capability across four work streams; high, medium and low active and special nuclear materials, with each stream presenting unique radiological, contamination and handling environments where the analytes will be examined through safe and predictable operations. RAP will deliver a capability that, at its core, requires the operation of 304 no. instruments and techniques for a facility that will have continuous operations through to 2048.

The objectives of the market engagement were to;

Locate a wider data base of UK based Suppliers than presently used by SL who can provide the instruments to meet the project requirements.

Expand this search to include international companies.

Specifically include a determination of Suppliers/Manufacturers who are able to provide rapid proto typing and technical integration capability against the project requirements.

The event was planned over a 6-month period and utilised the skills and knowledge of GAMBICA, the UK Instrument Suppliers trade association, to attract 33 no. companies, 6 no. of which were international, to a 3-day event of presentations and Q&A at a Hotel at the NEC in Birmingham in early July. The information gleamed by Sellafield Ltd was crucial to ensuring design criteria could be achieved as well as the supply chain understanding the future procurement requirements and opportunities arising from this national strategic project.



Hotel Indigo Bath (formerly Pratts and Halycon Hotels) Update

Since the last update on the Hotel Indigo Bath (formerly Pratts and Halycon Hotels), our client Somerston Capital has acquired further properties adjacent to scheme, which increases the capacity to 166 bedrooms, all of which will be individual in size, shape and decoration. This addition plus the issues relating to existing structure and services has impacted on the progress, with delivery of the first rooms not expected until January 2018.

Not only are the number of existing services an issue, but the aged state of the infrastructure requiring a cautious approach whilst excavating, with air excavation being used around some of the HV cables.

The refurbishment has provided numerous conundrums for the design team and contractor, highlighting the lack of any form of building control in the 18th and 19th centuries, with the various adhoc additions built over the years, with some walls having either minimal or no foundations, beams with negligible end bearing, and masonry walls that get thicker as they get higher!

Whilst the engineering solutions are not innovative, the location within the buildings and the juxtaposition to other elements has required some careful planning and sympathetic design. Propping has been designed to withstand a load of circa 40 tonnes, to facilitate the construction of a lift pit.



Existing services to be diverted



Propping to upper floors

The labyrinth of stone vaults have also proved to be challenging with several water wells discovered, which required to be filled with concrete to plug them. It's good to see the vaults now as the stone masons are progressively repointing the joints after the stone has been cleaned.

The strip out phase has uncovered some interesting historic features which have been incorporated into the design, with the Conservation Officer insisting that some rooms remain as they are due to the historical significance.



Latest on Caithness Moray HVDC £1.1bn undersea energy link...



...Next generation cable laying vessel lays first HVDC Cables

The NKT Victoria is being used to lay 180 miles of high voltage direct current (HVDC) subsea cable across the Moray Firth as part of Scottish and Southern Electricity Networks' (SSEN) £1.1 billion Caithness-Moray transmission project.

The new vessel is among the world's most advanced and its design is based on extensive experience with offshore installations and it has also been awarded the 'Ship of the Year 2017' prize in Norway.

The purpose-built vessel was planned to lay the cables in two campaigns on the Caithness Moray project – the first from Noss Head in Caithness to the midpoint of the cable route and the second from Portgordon in Moray to the end of the previously laid cable. In June, the state-of-the-art vessel successfully completed its first campaign and laid the first HVDC cables from Noss Head in Caithness to the midpoint of the cable route in the Moray Firth.

It has now returned to Sweden to reload the remaining 56km of HVDC cable to be laid from Portgordon in Moray to the end of the previously laid cable sometime in coming months.

A subsea joint will then be constructed to connect both sections of cable to complete the circuit.

This significant milestone follows on from the recent successful clearance of rocks and boulders along the proposed route of the Moray Firth and the works to create a trench in preparation for the cable installation.

Technical Stuff

NKT Victoria is one of the world's most advanced and fuel efficient cable-laying vessels with a fully redundant DP3 system and unique onboard DC Grid.

The vessel is capable of simultaneous dual HVDC and fiber optic cable-laying and deep sea HVAC installation with high capacity tensioner system. The two turntables have a combined capacity of massive 9000 ton, plus a 500 ton capacity fiber optic tank below deck.

To enable complete cable-lay capabilities ranging from the deep blue seas to shallow shores, NKT Victoria is designed to be beachable in fully laden condition. The vessel is also fitted with a 6-point mooring system to manoeuvre where most deep sea cable layer would give up.

For ultra deep waters, the deck is prepared to accommodate a Vertical Lay Tower to enable sufficient high tension hold-back capabilities.

The NKT Victoria is 140m long, has a helipad and is designed to the highest safety standard, in full compliance with the most stringent requirements. Her versatility is further strengthened by a fully integrated navigation and survey system.

.....The next HJ Connects issue will be detail the progress of the project's cable laying, Pull-in's, trench backfill and rock placement.

Project Delivery Directorate at Sellafield Ltd—Benjamin Dodd

What is your role within HJ?

I began working at Hargreaves Jones in May 2017 as a Junior Quantity Surveyor having recently graduated from Liverpool John Moores University, attaining a First Class Honours sandwich degree focused in Quantity Surveying. I am currently based in Cumbria supporting the Project Delivery Directorate at Sellafield Ltd, which is a nuclear reprocessing and decommissioning site.

My role at Sellafield Ltd is to assist Clare Watson, one of their Senior Contract Specialist's in the delivery of the 'Interim Storage Facility' project. At this present time I am tasked to assist in managing the contract, in particular payment mechanisms. I have also been conducting other tasks such as an audit review on the processes/ procedures followed in relation to an NEC3 TSC involving the Scaffolding supply for the Interim Storage Facility (ISF).



Background on your first project?

The Interim Storage facility is a solution to safely store waste from the current First Generation MAGNOX Storage Pond facility which is one of the highest hazard facilities on the Sellafield site and is considered to be an intolerable risk. To reduce the hazard posed by the facility it is necessary to remove the fuel bearing material and sludge from the pond. However, the pond facility also contains a significant quantity of other solid wastes, such as Zeolite skips, which are making some of the fuel and sludge inaccessible.

By removing the 237 Zeolite skips it will be possible to access the fuel and sludge and accelerate export operations. The First Generation MAGNOX Storage Pond Programme has identified the use of Self-Shielded Boxes as the containers for the Zeolite Skips, once they have been retrieved. The Interim Storage Facility project is to provide the interim or long term storage for the Self-Shielded Boxes.

Why did you choose HJ?

I decided to choose Hargreaves Jones after reading these very newsletters. I was encouraged to apply and join the team by the way in which Peter and Glynn portrayed their business and how they are aiming to it grow year on year. The confidence in their business matched my ambitious mind-set. I also wanted to be a part of a successful organisation and one that would help me grow to achieve my full potential. In addition to this, I wanted a change of scenery so to speak. I wanted to experience working in other areas of the country and not just Merseyside, the place where I've lived all my life. The nature of the Hargreaves Jones business complements this and has allowed it to happen.

What do you hope to achieve within HJ in the next few years?

To continue to learn and grow my knowledge of the industry. In particular the more specialist sectors that HJ operate in. My next career ambition is achieve Chartered status by following the RICS APC structured training programme in which Hargreaves Jones facilitates.

Hartlepool AD Project, Brenda Road, Hartlepool, TS25 2BN

Employer: Bio Power Ltd Contractor: Bio Construct

A 5.0 MW AD Plant near Hartlepool is a similar development to Teesside generating electricity to grid via 4 x CHP Units burning the biogas produced on site via the AD plant. This is achieved by utilising both solid and liquefied feed stock to produce biogas of a sufficient quality to operate the CHP engines with electricity generated fed to the grid via a 11kv system.

Hargreaves Jones (HJ) have been appointed by the parties for the Hartlepool AD Project at Brenda Road, Hartlepool, to provide contract, project management and administration advice in relation to the financing, construction and installation of the AD Facility for the generation of electricity.

The key deliverables can be summarised as follows:

- Monitor the performance of the Project Team during the execution of the works at the Site.
- Review reports relating to Project cost control and the progress and review reported Project progress and the supporting evidence.
- Every month prepare and issue a Project Costs Report and review all Payment Applications.

Project Progress:

Construction of the substation and CHP units continues in line with G59 delivery plan, with final G59 accreditation gained on Thursday 23rd March.

Primary Fermenter tanks 1 and 2 are constructed and have recently passed the Hydrostatic test protocols.

Post Fermenter tank construction is in varying stages with one tank having been fully constructed and again, passed hydrostatic testing regimes, two further tanks are nearing full construction.

Digestate storage tank 1 is complete, with sika curing in progress. The planned water test is due to commence w/c 13 March. Digestate storage tank 2 is complete, with sika curing in progress. The planned water test is due to commence upon completion of the test on tank 1. Digestate storage tank 3 is nearing completion (1 ring remaining), 80%.

Digestate storage tank 4 has 4 x panels remaining prior to final bolt down to base and completion.

Concrete hard standing areas to the rear of the storage tanks is complete.

Casting of the Flood wall continues and is nearing Completion.

Construction of the Main Reception building is progressing well with steel now on site and erection of the main reception building structure in progress.



Q&A with Stephen Kelleher



What is your role within HJ?

Senior Quantity Surveyor working on the Centrica Storage Limited (CSL) Commission in Hull.

How are you finding your first project?

It has been challenging, in terms of moving into a new engineering environment, getting up to speed with the gas industry, terminology and the Clients drivers and business goals, added to this there were a number of outstanding issues regarding the contract, payment and disputed costs.

Why did you choose HJ?

I was looking for a new opportunity in Infrastructure field, and HJ have a number of energy, power, oil and gas commissions.

Tell us a little bit about your background?

My background is Building Surveying Project Management, however after a few sideward moves and working for both clients in the public sector and contractors, I moved over to PQS position with Turner and Townsend, and this exposed me to professional Quantity Surveying. Whilst never had to do take offs and prepare bills of quantities like article served QS's of old, it was more a need to understand how to do it, but more an application of being able to check and evaluate costs, understand how things are constructed, and time / labour to carry out the works, and the make-up of the costs. With more target costs used in NEC Contracts and Partnering Contracts, I realised that my technical skills, knowledge and management was very useful, and the key was to understand the technical aspect of the project, your client's and their drivers and good interpersonal skills was key to the role of the PQS.

What do you find the most interesting / challenging?

I enjoy working with people, and being part of a team delivering successful projects. I like to resolve problems and simplify processes to make life easier and free up and use time more effectively. I enjoy working on disputes and final accounts, and wish to develop my knowledge of Contract Dispute Resolution.

Are you currently studying?

I am not studying at the moment, but I have considered reading for an MSc in Contract Law.

What have been some of your career highlights to date?

Development of a Maintenance Policy and Procedures Guide for a Housing Association, worked on the RSPB Saltholme Visitor in Teesside that won several industry awards.

What do you hope to achieve within HJ in the next few years?

Some interesting commissions and development of my professional career.

When you are not in the office, where can you be found?

Running for general fitness and health, including doing Park Runs. Walking up on the North York Moors and the Lakes. I am currently walking the Cleveland Way in sections, and when done all sections I want to attempt it in one hit.

Who are your dream dinner guests?

Dia Lama and Sadhguru Jaggi Vasudev.

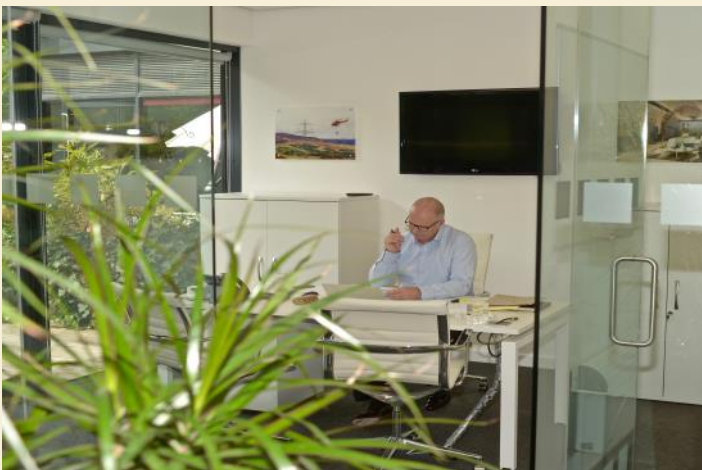
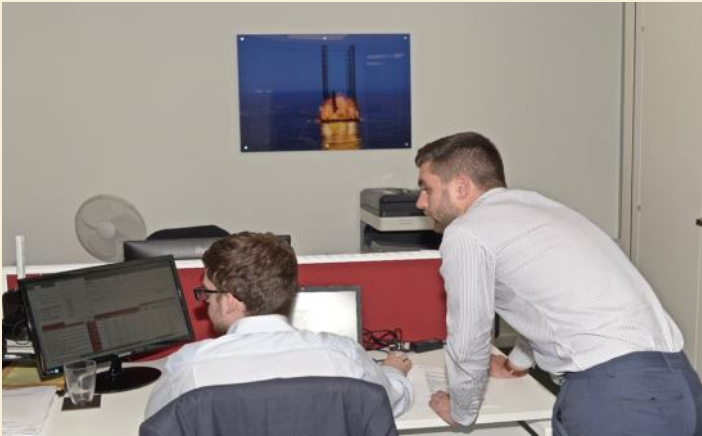
Graduate Pipeline at Full Flow

Hargreaves Jones are pleased to announce that the graduate pipeline of new employee's is continuing to flow this year with three graduates commencing employment with the company from May 2017.

Peter Hargreaves, Managing Director confirmed that the company is looking to continue the tradition of recruiting up to three graduates per year. The continued expansion and success of our growing business, presently averaging 29% year on year since 2006, is reliant upon finding enthusiastic, motivated professionals to join us. To maintain our enviable track record of success, our consultancy encompasses a blend of highly experienced, fee earning directors managing core teams of commercial and project services consultants and Quantity Surveyors. We have in place a business plan for further, manageable growth based upon the retention of our existing workforce combined with the recruitment of additional professionals and graduates.

The investment in the fit-out of the Head Office in Burton Place, Castlefield Manchester reflects the growth of the business and signals our ongoing intent to expand the business in the years to come.

See photos below of the new layout.



Teesside AD Project, Imperial Park, Middlesbrough

Employer: AVG Imperial Ltd Contractor: Bio Construct

An AD Plant in Teesside producing 4.988MW of electricity per hour to grid via 4 x CHP Units. Power is generated by the manufacture of Biogas on site. This is achieved by utilising both solid and liquefied feed stock which via varying storage processes within a tank farm provides mixing, maceration, fermentation and desulphurisation processes to produce biogas in a sufficient quality to drive the power generator sets on site. Power is fed to grid via a bespoke 11kv system. Any residual/excess gas not able to be burned in the gas engines is disposed of via a gas flare.

Hargreaves Jones (HJ) have been appointed by the parties for the Teesside AD Project at Imperial Park, Middlesbrough to provide contract, project management and administration advice in relation to the financing, construction and installation of the AD Facility for the generation of electricity.

The key deliverables can be summarised as follows:

- Monitor the performance of the Project Team during the execution of the works at the Site.
- Review reports relating to Project cost control and the progress and review reported Project progress and the supporting evidence.
- Every month prepare and issue a Project Costs Report and review all Payment Applications.

Project Progress:

All major plant items are now complete with commissioning progressing well, site is now operational via the SCADA system, with further checking of components currently being aligned to enable witness testing.

The Digester tanks are all operational, Tank BE1 containing 5672m³ of mixed feedstock, tank BE2 containing 5673m³ of mixed feedstock and transferring as part of the planned process into the Post Fermenter BE3 currently containing 7216m³ of processed material.

The Final storage tanks BE4, BE5, BE6 and BE7 are now being utilised, Tank BE4 in use containing 1328m³ of pasteurised digestate, tank BE5 being empty, Tank BE6 being empty and tank BE7 containing 3760m³ of pasteurised digestate.

The quantity of gas currently being produced is inhibiting the process in full to enable utilisation of the CHP's. Consequently, site intend to run each CHP simultaneously to demonstrate the 48hr capability running with dates for this to be confirmed in the near future.



Referral Scheme

We would like to reiterate that a finder's fee of £1,500 will be payable to anyone who introduces us to a candidate who is successfully placed with the Company for a minimum period of 6 months.

Should you know of an individual who has the relevant skill set for a role with HJ, ask them to send their CV to kim@hargreavesjones.com for consideration.

Hargreaves Jones Administration Update

Taking over the role of Part Time Office Junior, we would like to welcome Joy Hayden. Joy replaces James Greaves, an Accounts Apprentice, as James is going to University in September 2017 to further his studies in Finance. We would like to wish James all the best with his future endeavours.

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Hargreaves Jones
Commercial & Project Services

Have you been working on a project that you want to include in the next edition of HJ Connects?

Have you taken part in a Company Social or Charity Event that other colleagues will be interested in hearing about?

Please contact: kim@hargreavesjones.com

Thank you to all those that have contributed to Issue 8 of HJ Connects.