

Waldeck Consulting  
www.waldeckconsulting.com

Morson Projects  
www.morson-projects.co.uk

ISSUE 2/2020

# INSIGHT

WALDECK CONSULTING

ANNOUNCED AS  
**CONSULTANCY  
OF THE YEAR**

MORSON PROJECTS

SHOWCASE  
**QUALITY DRIVEN  
ENGINEERING**



 **Waldeck**

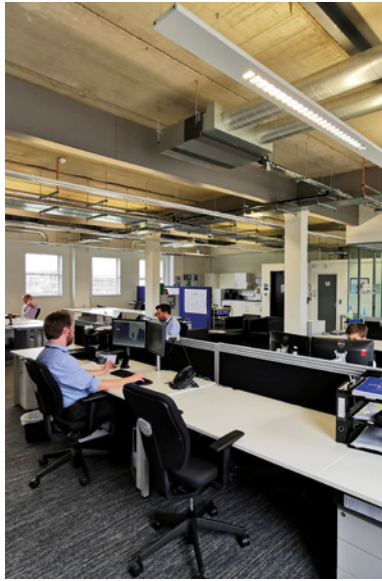
 **MORSON**  
PROJECTS

*Ematics*  
CONTROL SYSTEMS ENGINEERS







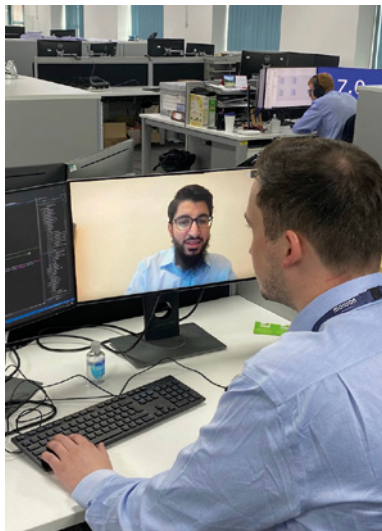


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# MORSON PROJECTS INTERVIEW WITH MANUFACTURING & ENGINEERING MAGAZINE **QUALITY DRIVEN ENGINEERING**

Founded in 1979, Morson Projects forms a part of the Morson Group and delivers a wide range of engineering services into some of the most security-conscious and essential industrial sectors in the UK.







Andy Hassall

**Bringing together the complete spectrum of engineering services, the firm has developed a strong reputation across key industries such as aerospace, defence, nuclear, and the power distribution sector, with continued growth fuelling stronger services year-on-year.**

One of the most prominent factors that has contributed to the success of Morson Projects over the years has been the ability to not only adapt in line with the requirements of key customers, but also to work with said customers to agree upon ways of working and ensure the maximal benefit from services. Given the tightly regulated nature within many of the sectors that Morson Projects specialise in, this has proven to be a vital aspect in developing meaningful industry relationships based on collaboration. Indeed, the benefits of this approach have come to the fore even more so due to the COVID-19 pandemic.

The advent of COVID-19 has affected businesses across just about every sector in the country, and even the globe. Although a trying time, the period has served to highlight those organisations who are able to be flexible, change the way in which they work, and tackle a whole host of new safety situations. In part due to the firm's focus on collaboration, Morson Projects is one of the few firms to successfully tackle the challenges that have arisen from the pandemic and continue on a path of growth for the company.

To learn more about how Morson Projects approached the challenges facing the business during the COVID-19 pandemic, Manufacturing & Engineering Magazine spoke with Andy Hassall, our Business Development Director, who explained:

"The key challenge initially was getting everybody set up to work from home. We had people who worked from home prior to this, but we'd never had everybody working from home. It was about whether our systems would be robust enough to have everyone at home, but also to be productive. We had to look at our IT infrastructure and, in some instances, bolster this infrastructure which was certainly a challenge. We may have made mistakes in those early stages, but you have to make those calls quickly and hopefully it's been the right decision to get us set up properly. The real challenge now is getting people back into the office now that we've all proven we can do it out of the office!"

Amongst the challenges that Morson Projects faced was the simple nature of accessibility to critical information. As a firm which works within security-oriented sectors, a true test in the firm's flexibility was in devising a way to maintain the same level of data security that our clients require, while simultaneously enabling our operatives to work from home without the typical infrastructure available. Not only did this see the firm work very closely with clients to adapt this infrastructure, but also invest further in simple systems upgrades to mitigate the strain placed on the firm's network. These upgrades, in the long term, will only

## **We've seen it in the news how we've been reliant on international supply chains that have been bottlenecked in supplying some key equipment during this crisis.**

serve to further enhance the company's capabilities going forward. Crucial to the company's success during this period has also been the very nature of our staff. The hard work and diligence of our team members has proven essential during recent times, and is thanks to the firm's ability to track both talented and professional team members. Despite skill shortages which are evident across the entire industry, Morson Projects has been able to achieve this thanks to the reputation of the wider group and a key focus on apprenticeships so as best to bring in young talent which can be trained in the Morson approach. Further partnerships with local universities such as Salford University and Manchester University have also enhanced this access to talent.

In terms of developing team members, Morson Projects has a very simple yet effective approach. Wherever there is potential benefit for further training, services which may require specialist skills, or where further skills may enhance the careers of our team members, training is provided. Always keen to invest in our people, this has allowed for the continued expansion of the firm's expertise and also enhanced our ability to hold onto the talent that we develop. Although a recent member of the GTMA, Morson Projects has also benefited greatly already from this association, via enjoying the improved brand awareness and networking opportunities available. The firm is also a proud supporter of the ReshoringUK initiative and recognises the important role which it will play in the future of the manufacturing and engineering sectors.

As Andy Hassall furthered: "We've seen it in the news how we've been reliant on international supply chains that have been bottlenecked in supplying some key equipment during this crisis. This was a global problem, with many countries across the globe having similar issues. Once we get past COVID-19, there will be many procurement executives looking to procure locally, manufacture locally, and support the local economy."

When looking at our own supply chain, Morson Projects are thankful for the support of our key supply chain members during this period, including the likes of Strenco Tools, Bestalinks Ltd, and Watson Laurie who each provide vital services to the company. Thanks to deep-rooted relationships with each and every one of these partners, we have been able to safely secure the future of the business and continue on a positive growth path which will benefit all those involved.

As for the future of Morson Projects, decisions are currently being made on which direction the company can expand, however recent investments into 3D printing capabilities, cyber security, and automation plot a clear picture of focus for the company going forward. Keenly driving automation, the firm not only recognises the fast-paced nature of the automation sector, but is also keen to invest further and enhance the service capabilities we already have. ●





## MORSON PROJECTS MOVE INTO NEW OFFICE AT HUMBER ENTERPRISE PARK

Having had a presence in the Hull area for over 20 years, we are delighted to have now moved into our new premises at the Humber Enterprise Park in Brough.

The office will be working closely with clients across multiple engineering sectors, delivering excellence in the design and analysis of complex systems and structures to clients, whilst continuing to collaborate with the 600 strong engineering teams across the rest of Morson Projects.

Chris Burke, Executive Director at Morson Projects shared: "Having taken over the premises in October last year, the office fit-out was finally completed last week. The team, which is headed up by Associate Director Gareth Beck, have now started a phased return to the office after a spell of working from home. "Post COVID-19, the 2000sq ft office will have a capacity of 22 people, however, we are currently operating at a reduced capacity of 11 due to social distancing guidelines.

"The Hull team are currently delivering projects for Leonardo Helicopters and BAE Systems having recently delivered projects for clients including Bombardier, CAV Aerospace, Fokker, Gardner Aerospace, Icon Polymer, Magellan Aerospace, Moyola Precision Engineering, O & H Vehicle Technology, Raytheon Systems and Spirit (Airbus)." ●

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To find out more about our Hull Office or Aerospace capability please call Associate Director Gareth Beck or Design Manager Brian Moore on 01482 337755.



## MORSON PROJECTS PASS ACHILLES UVDB AUDIT WITH FLYING COLOURS

In recognition of Morson Projects' commitment to Quality, Health and Safety, Environmental Sustainability, Corporate Social Responsibility and Carbon Management we are delighted to receive continued accreditation to Achilles UVDB Category B2. This recognition follows up on the same achievement reached last year, with an even better result this time.

The assessment is undertaken at regular intervals with the audit focussing on the Safety, Health, Environmental and Quality practices and procedures of both our office-based management system element and that of a site.

An overview of our scores can be seen below:

Category	Office MSE % Score	Site % Score
<b>HEALTH &amp; SAFETY</b>	<b>100%</b>	<b>98%</b>
<b>ENVIRONMENT</b>	<b>100%</b>	<b>100%</b>
<b>QUALITY</b>	<b>100%</b>	<b>100%</b>
<b>CSR</b>	<b>100%</b>	<b>NA</b>
<b>AVERAGE SCORE</b>	<b>100%</b>	<b>99%</b>

This accreditation is an enhanced pre-qualification scheme used by the utilities sector which makes it easier for companies in the sector to assess and manage their supply chain risks and ensure that best practices are adopted. ●







# MORSON PROJECTS

## JOIN THE IET AS AN ENTERPRISE PARTNER

**Morson Projects are pleased to announce that we have joined the Institution of Engineering and Technology (IET) as an Enterprise Partner.**

We are working with the IET to both acknowledge the level of professionalism within our technical staff and to highlight to our staff, the activity that occurs within the wider global engineering and technological community. As a result, we have 17 engineers and technicians who are now registered with the IET in order to gain a range of professional qualifications and work towards becoming chartered.

Chris Burke, Executive Director at Morson Projects, shared: "This is an important partnership for Morson Projects, as we continue to grow and develop our own talent within the team. Something we are proud to have been very successful at over the past 40 years.

"Importantly for us, the IET's values align closely to ours as we look to inspire, inform and influence the global engineering and technology community to engineer a better world."

Howard Morrison, Software Systems Manager at Morson Projects who has signed up to join the programme shared:

"I started at Morson Projects in 2016, having emigrated from South Africa. Initially I was engaged as a contractor for the automation of a new Waste to Energy plant, but once my role changed to one of leading a team I accepted a staff position. In this time we have successfully deployed projects in Waste to Energy, Power Generation, Road Traffic Management and Rail Power Distribution.

"IET registration is, for me, about the recognition of skills that I have crafted over the last 12 years of delivering projects in industry. Through joining the programme I intend to become a Chartered Engineer, befitting of my role and experience in heading up a team of

engineers delivering automation and control projects in a variety of industries.

"The IET are the benchmark for professional registration in our field of engineering and professional registration gives our customers the confidence that they are dealing with engineers who strive to better themselves, and in doing so improve industry as a whole.

"At Morson Projects we are fortunate to have wonderful in-house IET mentors to help us along our journey. The imparting of knowledge and skills from our senior engineers is what ensures the consistency and continuation of quality project delivery.

"My ambition is to complete the requirements for CEng / MIET and offer my support in enabling all the young engineers in our team to achieve the level of professional registration to which they aspire."

### **MORE ABOUT THE IET:**

The IET is the world's largest professional engineering institution offering professional qualifications; Chartered Engineer (CEng), Incorporated Engineer (IEng), Engineering Technician (EngTech) and ICT Technician (ICTTech).

With a membership community of over 169,000 professionals, their role is to disseminate information and promote and develop knowledge and professionalism across the global engineering community through a vast array of activities, products and services. ●

**Visit their website for more information about how your organisation can get involved:**  
[www.theiet.org](http://www.theiet.org)

# MORSON PROJECTS' POWER, AUTOMATION & CONTROLS TEAM WELCOMES TWO NEW GRADUATE SOFTWARE DEVELOPERS

Due to continued growth, our Power, Automation & Controls team are delighted to introduce two new Graduate Software Developers to the team, who will be based at our Head Office in Irlam, Manchester.

The two graduates were recruited by our colleagues at Morson International, who conducted all interviews via video-call during challenging conditions at the start of lockdown.

Paul Ward, who leads the team, shared: "In our continued efforts to broaden our multi-disciplinary approach to delivery and introduce fresh talent and ideas into the team, we hope that through on going mentoring Ali and Ethan will be two stars of the future.

"In these challenging times we are pleased to have been able to recruit and onboard new talent which will broaden our long-term delivery capability and increase the support capability we can offer to clients.

"With thanks to the first-class internal recruitment capability of our colleagues at Morson International, Alex Beddows and team, we have experienced a seamless process from recruitment to appointment and are delighted to have Ali and Ethan as part of the team."

We caught up with Ali and Ethan who both began their new roles during lockdown, to find out a little bit more about them and how they are getting on so far.

## WHAT DID YOU STUDY BEFORE YOU STARTED YOUR NEW ROLE?

**ALI:** I've just finished studying my BSc Computer Science at the University of Salford and just recently graduated with a First Class honours degree in July.

**ETHAN:** I also studied BSc Computer Science at the University of Salford, receiving a 2:1 overall. During my studies I also did a 6-month period studying Mobile Development at the Amsterdam University of Applied Sciences.

## HOW YOU HAVE FOUND STARTING AT MORSON PROJECTS DURING LOCKDOWN?

**ALI:** I have been working from home and it has been a rather pleasant experience as I was setup with all the equipment needed from the first day. I've been able to communicate with fellow team members with no difficulties and get support from them whenever needed. Working from home has saved me a lot more time during the day as I don't have to commute to work.

**ETHAN:** Starting at Morson Projects during lockdown has had its challenges, especially due to the lack of face-to-face interaction with colleagues which was something I hadn't experienced before when starting a new job! Although I was still able to work well from home, I'm now back in the office three days a week, which I am really enjoying - it's nice to be able to interact with colleagues in person after only being able to interact over video calls to begin with.

## WHAT YOU ARE MOST LOOKING FORWARD TO / ALREADY ENJOYING ABOUT YOUR NEW ROLE?

**ALI:** As a Software Developer, it's been exciting to have the opportunity to work on Morson Projects' live client projects and get to grips with the varied technologies involved. I am looking forward to all the different learning opportunities that will continue to build on my existing knowledge and feel there is a lot I can bring to the business in a positive way.

**ETHAN:** Right now I'm enjoying working on creating webpages for our current project, one cool part has been creating interactive charts with JavaScript frameworks. In the future I'm excited to work on the networking for this project, such as setting up servers on site to host the websites we've created.

## WHERE DO YOU SEE YOURSELF IN 3 YEARS?

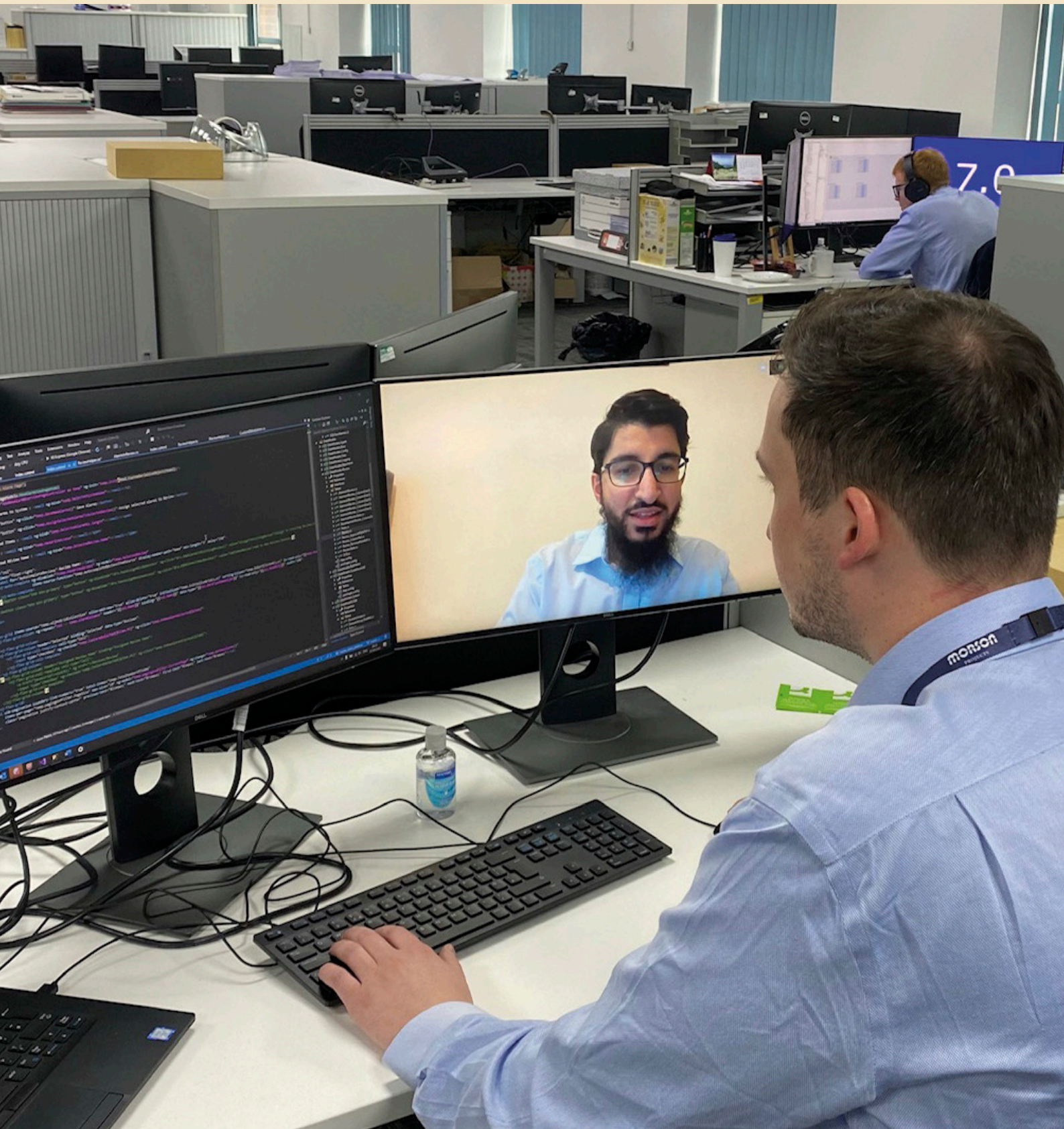
**ALI:** I would like to see myself having advanced into a more senior role and assume more management responsibilities whilst continuing to work as a Software Developer.

**ETHAN:** In three years' time, I see myself in a more senior position than I am in currently and with more responsibilities on projects and potentially being able to project manage some small projects. ●

To find out more about our Power Automation & Controls capability, please get in touch with Paul Ward by calling 0161 707 1516 or for current employment opportunities please email: [enquiries@morson-projects.co.uk](mailto:enquiries@morson-projects.co.uk)



**In these challenging times we pleased to have been able to recruit and onboarded new talent which will broaden our long-term delivery capability**





# MORSON PROJECTS WISH JON ALLDAY ALL THE BEST FOR HIS RETIREMENT



Having joined Morson Projects 13 years ago, Jon has been an integral part of our Business Development team for over a decade and will be missed by friends, colleagues and clients alike as he takes retirement this September.

Jon's latest responsibilities have been to expand Morson Projects' business interest in the Nuclear and Industrial sectors across the UK and Europe, through developing market opportunities and appropriate partnering strategies.

Throughout his career at Morson Projects Jon has helped the business go from strength-to-strength, increasing its client base, doubling its turnover and expanding from 400 to 750 personnel. We caught up with Jon to take a look at some of his career highlights and find out what he will miss the most about Morson Projects.

## TELL US JON, WHAT HAS BEEN YOUR BEST MEMORY AT MORSON PROJECTS?

All my memories at Morson Projects have been good, but I really enjoyed the period of time when Morson Projects moved into the Morson Groups new head office at Adamson House when it first opened in 2011. I really enjoyed working closer with our group colleagues and the general buzz that came from working in state-of-the-art offices and the positive atmosphere it created.

## WHAT HAS BEEN YOUR FAVOURITE PROJECT TO WORK ON?

Definitely the Task Design House Framework Morson Projects secured with Sellafield Limited along with nine other organisations in 2008. Over a 4-year period Morson Projects secured over 35% of all contracts placed via the Framework for multi-discipline design and technical services, this was a very busy but also very rewarding and successful period.

## WHAT DO YOU THINK YOU WILL MISS THE MOST?

The daily interaction with my colleagues and clients most definitely. The environment created by all who work for Morson Projects is second to none and I feel privileged for the experience and the chance to work with such a fantastic team.

## AND, WHAT WILL YOU MISS THE LEAST?

Living in Sandbach I've spent the majority of my career driving north on the M6 at 7am, I definitely won't miss that!

## SO, WHAT ARE YOU PLANS FOR RETIREMENT?

To really enjoy it, my first project is an extension to our kitchen and the creation of a vegetable garden, along with plenty of golf, hopefully some travelling and spoiling my granddaughter rotten.

## AND FINALLY, DO YOU HAVE ANY WORDS OF WISDOM FOR THE REST OF THE TEAM?

You may not think it but this day comes round pretty quickly and certainly makes you look back and reflect. Make the most of your time at work, have no regrets, ride the ups and downs and keep smiling.

Andy Hartley will be stepping up to take over Jon's day-to-day role. If you would like to wish Jon farewell, his last day in the office will be the 30th September.



**Over a 4-year period Morson Projects secured over 35% of all contracts placed via the Framework for multi-discipline design and technical services, this was a very busy but also very rewarding and successful period.**





**Reputations are built on delivering what you promise and hopefully this will role will allow me to demonstrate that commitment both personally and on behalf of Morson Projects.**

## **ANDY HARTLEY** STEPS INTO NEW ROLE AS BUSINESS DEVELOPMENT LEAD

Following our news of Business Development Manager, Jon Allday, retiring, we are delighted to introduce Andy Hartley who will be stepping into his shoes this autumn.

Andy has had a long and successful career at Morson Projects, working as a Project Manager on a range of multi-disciplinary projects across the nuclear, pharmaceutical, and heavy industrial sectors.

Andy, who already has established relationships with many of Morson Projects' clients, will be transitioning over to manage Jon's key accounts in the coming months.

We caught up with Andy, to find out more about what he can bring to the table for our clients.

### **ANDY, TELL US A BIT MORE ABOUT YOUR CAREER HISTORY?**

I started my working life as an electrical apprentice for BNFL at the Springfield's fuel manufacturing facility in Preston. Over a twenty-year period I progressed through the company culminating in the role of Electrical Plant Engineer and I worked on a number of projects including the refurbishment and commissioning of the Uranium Ore Dissolution line and the design, installation and programming of a new control system for the Uranium Hexafluoride plant.

This, on top of running and managing busy maintenance teams supporting the plants facilities, provided a great foundation for the rest of my career.

The decision to decommission the country's Magnox fleet of nuclear reactors and a general downturn in the global market for nuclear fuel presented an opportunity to leave BNFL. This coincided with a position at Morson Projects' Cumbria office delivering a programme of asset condition inspections and assessments for a number of the legacy plants on the Sellafield Site. This relationship has continued for the last eleven years and I now support our Divisional Director, Ian Ross, engaging around 110 operatives managed from our Westlakes offices. Morson Projects has offered me the opportunity to deliver a diverse range of professional services projects covering asset management, technical documentation, safety case and multi-discipline design for clients including Sellafield, Astra Zeneca, Hewlett Packard, MOD and Breedon Cement.

My role within Morson Projects has grown over the last decade and was cemented earlier this year with promotion to the senior management team. The opportunity to pick up the business development role left by Jon, alongside continuing to oversee project delivery seemed an obvious move in my career development.



### **WHAT ARE YOU MOST LOOKING FORWARD TO DOING IN YOUR NEW ROLE?**

Throughout my career I have met and worked with some fantastic people, built some great relationships and made a few good friends along the way. This new role should allow me the opportunity to get involved with a broader range of opportunities, revisit some of my old acquaintances and hopefully make some new ones.

### **WHAT BENEFITS WILL CLIENTS SEE WITH YOU AS THEIR KEY ACCOUNT LEAD?**

My background has always been delivery focused and I have been lucky enough to work on a variety of differing projects throughout my working life. This, coupled with over a decade of experience at Morson Projects, should enable me to not only understand a client's brief but to be able to recognise potential opportunities to bring real added value to our offering. Reputations are built on delivering what you promise and hopefully this role will allow me to demonstrate that commitment both personally and on behalf of Morson Projects. ●

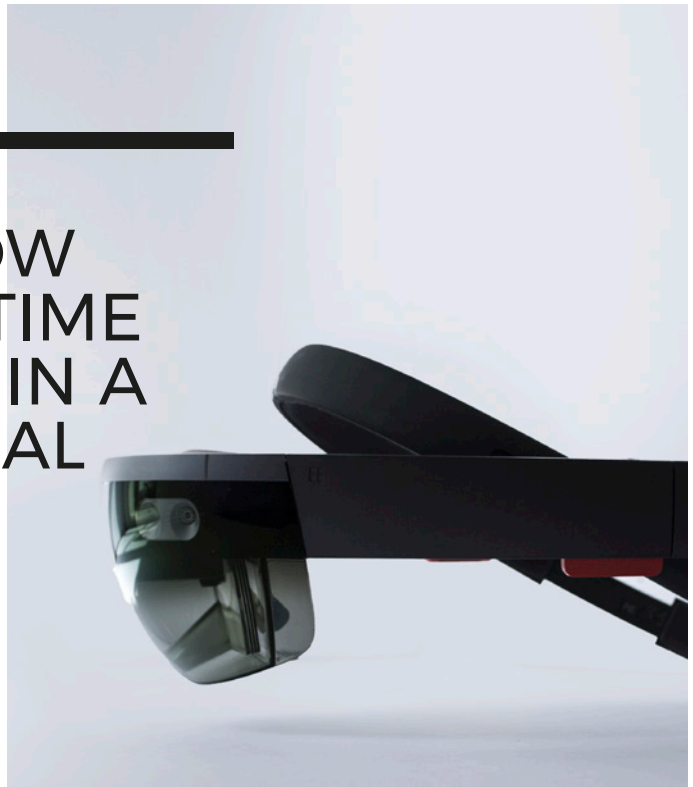
**If you would like to get in touch with Andy, please call the office on 0161 707 1516.**





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**22**  
WHY IS NOW  
THE BEST TIME  
TO INVEST IN A  
360° VIRTUAL  
TOUR



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**30**  
£14 MILLION NETWORK  
RAIL DEPOT FACILITY  
OPENS IN DONCASTER

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**34**  
HARROD'S  
TEAM MOVE INTO  
NEW CUSTOM  
-BUILT STUDIO







Greater Lincolnshire  
Construction & Property Awards 2020



## WALDECK ANNOUNCED AS 'CONSULTANCY OF THE YEAR'

**Waldeck were crowned 'Consultancy of the Year' at the Greater Lincolnshire Construction and Property Awards.**

The event brings together over 350 delegates from across the county to congratulate the best of the construction and property industry.

Tim Leach, Director of Civil and Structural Engineering at Waldeck, shared: "The evening was fantastic and saw such talent and innovation from across Lincolnshire's businesses.

"Having been at Waldeck myself for over 15 years, the news of our win was the cherry-on-top of a great start to 2020 for Waldeck and is a culmination of all the good work that the team have been doing over the past 12 months.

"It's events like this that make you really take a look back and reflect on all the hard work and passion that goes into business, thank you to the whole team who have contributed to making Waldeck the consultancy that it is today."

Simon Beardsley, Chief Executive at the Lincolnshire Chamber of Commerce spoke about the awards saying:

"It's been another fantastic year, not just for the construction and property businesses across Greater Lincolnshire but also for this event, and I would like to firstly say a huge congratulations and well done to all finalists and winners this year.

"A huge thank you also goes out to City of Lincoln Council, Longhurst Group, Viridis Building Services, RG Carter and DoubleTree by Hilton in Lincoln for sponsoring the table wine, programmes, drinks reception, goodie bags, hard hats and pens and the venue.

"We are already looking forward to planning the next big event in 2021, which is set to take place on Thursday 4th February." ●

To find out more about Waldeck and how we help clients across the built environment, get in touch with Tim Leach and the team by calling 08450 990 285.

**New Civil Engineer**  
**AWARDS**  
 COMPANIES OF THE YEAR 2020  
**FINALIST**

## WALDECK SHORTLISTED FOR NCE COMPANIES OF THE YEAR AWARDS



**We are delighted to have been shortlisted in four categories for the awards, which is a record for us and a fantastic representation of the unique work we are doing with our clients.**

**Waldeck are delighted to have been shortlisted for a third year running as finalists in the NCE100 Companies of the Year Awards.**

The NCE100 is New Civil Engineer's annual awards, recognising and celebrating the most innovative, impactful and inspirational firms operating in civil engineering. We have been shortlisted in four categories:

- Impact in Rail
- Impact in Bridges
- Excellence in Project Management
- Excellence in Data Analytics & Big Data

Mark Greatrix, Director of Digital and Technologies, shared: "We are delighted to have been shortlisted in four categories for the awards, which is a record for us and a fantastic representation of the unique work we are doing with our clients.

"These particular shortlists are focussed around a piece of work we are doing for one of our rail clients on their asset management across the UK.

"A huge emphasis has been placed on this project to provide detailed and contextual information for each asset and its immediate surrounding environment, further aiding our client's asset management team's daily activities. We have also ensured that the overall approach to data collection mitigates 'boots on ballast' wherever possible to reduce the associated risks for the site teams that this brings.

"We look forward to being able to share more details about this programme of works soon."

The next stage of judging will happen virtually with the judges reviewing and scoring our entries and the winners will be announced on Friday 26th February 2021 at The Brewery in London. ●



# WALDECK SHORTLISTED FOR 'INNOVATION OF THE YEAR'

**Waldeck have been shortlisted for the National Technology Awards 2020 in the 'Innovation of the Year' category.**

The shortlist follows the undertaking of a major client infrastructure project which has seen Waldeck's Digital and Technologies team leverage Machine Learning and Artificial Intelligence to capture, intelligently categorise and automate Building Information Model (BIM) deliverables.

This has enabled our client to better understand and manage each individual asset throughout its lifecycle.

Mark Greatrix, Director of Digital and Technologies at Waldeck, said: "Our core focus as a business is to deliver better, smarter and more efficient solutions for our clients. To be shortlisted as 'Innovation of the Year' for this project is a true testament to the great work that the team have done in the highly competitive space of Digital Solutions.

"To be shortlisted in this category, which seeks to 'reward lateral thought and technical excellence in creating an outstanding service that has the potential to revolutionise the industry' puts into perspective the fantastic work the team have been doing."

The awards celebrate the pioneers of new technology and help drive standards and encourage excellence within the technology sector, and see organisations such as London Ambulance Service, Confused.com, British Gas, Deloitte and Barclaycard as finalists this year.

The winners will be announced at the Awards Gala Dinner in London on the 30th November. ●



National Technology  
Awards 2020





**To be shortlisted in this category, which seeks to 'reward lateral thought and technical excellence in creating an outstanding service that has the potential to revolutionise the industry' puts into perspective the fantastic work the team have been doing.**





# HOW CAN PEDESTRIAN FLOW MODELLING HELP FACILITATE THE **'NEW NORMAL'?**







## As businesses and educational establishments continue to evolve how they operate in our 'new normal', the focus on managing the flow of pedestrians through these spaces remains significant.

Due to the current Covid-19 pandemic, managing the flow of pedestrians has never been more important. Whether you need to consider the movement of employees, students, visitors or customers through your buildings and spaces, pedestrian flow modelling can help.

Our team of engineers and planners are able to use cutting-edge Oasys MassMotion software to predict and plan the movement of hundreds of thousands of individuals across a wide variety of environments, such as:

- Car Parks
- Education Facilities
- Leisure Facilities
- Manufacturing Facilities
- Parks & Stadiums
- Public Spaces
- Rail Stations & Platforms
- Retail & Commercial
- Transport Hubs

Our pedestrian simulation, analysis and modelling tools recreate crowds in real-life situations to test complex designs quickly within a 3D model, allowing

businesses to witness in real-time how people will use their spaces.

As a result, we can work with businesses to optimise layouts for space utilisation, enabling them to create or alter a space so that it is functional, efficient and safe.

### WHY USE PEDESTRIAN FLOW MODELLING TO PLAN YOUR 'NEW NORMAL'?

- The use of proximity analysis tools gives our clients the insights they need to understand scenarios for operating sites or structures in a 'new normal' situation as lockdown requirements are relaxed.
- Our proximity analysis tools allow clients to assess a 3D model of their space and set distancing rules (such as 1m or 2m) to analyse how people will behave. This enables the necessary planning and measures to be put in place for the spaces to be safe and compliant within the government guidelines as they evolve over the coming weeks, and in line with any future changes to legislation.

### KEY BENEFITS OF USING PEDESTRIAN FLOW MODELLING INCLUDE:

- Ability to rapidly explore different pedestrian flow scenarios to suit your requirements as they evolve.
- Flexibility for adaptation throughout the lifecycle of the spaces as circumstances and legislation may change.
- Capability to model out different pedestrian flow scenarios based on a variety of rules and guidelines.
- Plan ahead Health & Safety protocols for extreme circumstances and events such as fire evacuation procedures during Covid-19.
- Use of reliable and accurate data to make the right decisions about your facilities. ●

To find out more about our Pedestrian Flow Modelling capabilities, please get in touch with Andrew Dent by calling 08450 990 285.



WHY IS NOW  
THE BEST TIME  
TO INVEST IN A

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**00€**

**VIRTUAL TOUR?**



## As working from home continues for many businesses, engineering and design teams across the construction sector continue to adapt to new ways of working collaboratively in a digital space.

One of the most useful tools we have come across during this time, is having 360° virtual tours of our client's assets to hand as we work closely with them on their projects.

Our Director of Digital, Mark Greatrix shares: "With the multiple pressures to deliver projects on time and on budget, 360° virtual tours offer many key advantages for project teams and asset care teams alike.

"The hottest topic for many businesses at present is remote working and this solution allows project teams to experience and understand the sites they are working on, in high definition without the need to visit site themselves.

"Importantly, especially under the current circumstances, 360° virtual tours alleviate many Health & Safety risks caused by site attendance as well as reducing the need to travel and any associated time and costs. Most importantly though, these tours which may have once been considered a novelty, enable teams to understand and review assets to facilitate informed decision making on large-scale projects."

We took a look at the top three ways 360° virtual tours can create real value for owner / operators:

### 1. ONGOING ASSET MANAGEMENT

→ Within the wider context of its environment, an asset can be captured as often as required by a small team which can then be used to carry out audits and condition reports by larger teams working off-site.

→ Tours can be viewed digitally as often as necessary for training, site familiarisation and Health & Safety briefings without the need for team members to travel to site.

### 2. UNDERSTANDING NEW BUILD PROJECTS

→ The progress of the site can be captured as often as required by a small team which then enables larger project teams, asset owners and any other stakeholders to walk through and understand the site's progress, vastly improving understanding of the project.

→ By enabling all team members to have access to the asset at the same time, the ability to make design decisions and collaborate digitally is significantly improved.

→ Virtual tours reduce time on site and creates efficiencies through reduced travel and less disruption to live sites.

→ Risks to Health & Safety are reduced due to people being able to work remotely, away from the site, which is particularly important during the current Covid-19 pandemic.

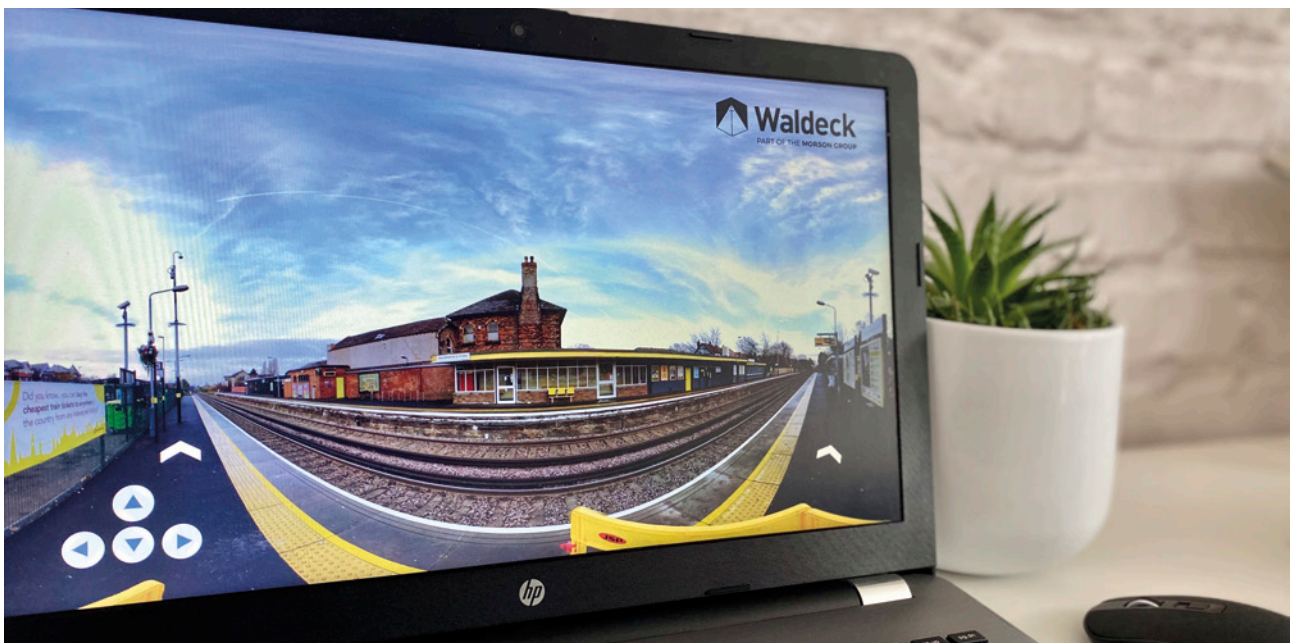
### 3. ENGAGING END-USERS AND STAKEHOLDERS

→ End-users and stakeholders can experience the spaces before they visit, or can join in on the journey of a facility being built, ready for use.

→ Expensive software isn't needed to allow people to view and access the 360° virtual tours. Free view options are available for ease of access and collaboration.

→ 360° virtual tours have intuitive user-friendly functions, very much like Google Maps and Google Earth. ●

**To see a live demo or find out more about how to get a 360° virtual tour for your assets, please contact Mark Greatrix for more information on 08450 990 285.**







## A YEAR IN REVIEW WITH PLACEMENT QUANTITY SURVEYOR, LIAM WILLIS

**For just over a year, Sheffield Hallam University student Liam Willis has been working full time as a Placement Quantity Surveyor at our Newark office, to gain industry experience as part of his BSc in Quantity Surveying.**

Before Liam heads back to finish his final year at Uni, we caught up with him to find out more about his time as part of our Commercial team, what Liam's plans are post-graduation and what he will take with him from his journey at Waldeck.

### **LIAM, TELL US A LITTLE BIT ABOUT WHAT SORT OF TASKS HAVE YOU BEEN COMPLETING AS PART OF YOUR PLACEMENT?**

Throughout my placement I have been challenged by a large variety of tasks, with some of the responsibilities being to attend monthly site progress meetings, taking minutes and assessing the Contractor's Application for Payment; measure drawings on the measuring software Cost X for cost estimates and assisting the wider team compiling and checking Interim Payment Notices and Financial Reports.

### **AS A RESULT, DO YOU FEEL MORE PREPARED TO GO INTO A GRADUATE JOB?**

Yes, definitely – during my placement I have been involved with projects from the pre-start and tendering stage all the way through to handover. This has given me the confidence of having well-rounded knowledge and experience throughout the lifespan of a construction project.

### **AND WHAT WOULD YOU SAY HAS BEEN YOUR 'CAREER HIGHLIGHT' DURING YOUR PLACEMENT?**

Independently travelling to sites to carry out Application for Payment assessments. Or learning how to use the Cost X measuring software to produce cost plans/estimates.

### **WHAT REAL-WORLD EXPERIENCE WILL YOU TAKE AWAY WITH YOU ABOUT THE CONSTRUCTION INDUSTRY?**

I've learnt a lot during my placement, but one of the key points I will take away for sure is that good relationships and collaboration are vital to delivering successful projects and always equate to a better outcome.

### **WHY DID YOU CHOOSE WALDECK FOR YOUR PLACEMENT?**

A lot of companies weren't responding to my emails about placement opportunities, it was nice that Waldeck not only responded, but seemed very keen. When invited for an interview, I felt comfortable and from my initial experience everyone was welcoming and it seemed a very positive working environment. One of the things that drew me to Waldeck was the fact they were a smaller business but working on large, multi-disciplinary projects, which has given me a really broad range of experience and understanding.

### **WHAT ADVICE WOULD YOU GIVE TO SOMEONE LOOKING TO DO A PLACEMENT YEAR?**

To not be overwhelmed at first, this was my first real role in the construction industry so everything was really new to me, however over time you begin to understand the processes and will soon find your feet! Always ask if you are unsure.

### **WHAT ARE YOUR CAREER ASPIRATIONS ONCE YOU HAVE FINISHED YOUR DEGREE?**

Once I have completed my degree I would like to carry on pursuing a career in Quantity Surveying, starting by securing a Graduate role and then working my way to Chartership.

As with all of our placement students we take on, it has been a pleasure seeing Liam develop within his role and we wish him all of the best in his final year of studies. ●

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To find out more about placement opportunities at Waldeck, please contact Talent Acquisition Partner, Becky Hicks by calling 08450 990 285.



## WALDECK TRAINING SCHEME APPROVED BY THE ICE FOR ANOTHER FIVE YEARS

**We are delighted to have received our renewal certificate from the Institute of Civil Engineers (ICE), which confirms that our in-house training schemes are approved by them for another five-year period.**



**Shaun Karolinski**

Our unique training programme provides graduates with a combination of tailored classroom sessions, along with on-the-job training, delivered across our national network of offices.

This provides our graduates with a highly tailored programme focusing on bridging the ever-increasing gap from academic studies to the fastest developing fields of expertise, which support the delivery of major infrastructure and engineering projects.

Paul Byrne, who started working for Waldeck in 2010, is a chartered Structural Engineer with over 40 years' experience and now mentors our young engineers as they work towards charterhip. Paul shared:

"Having gained our first certification from the ICE five years ago, we are delighted that they have looked at what we have done over this time and deemed us worthy of running an 'ICE Approved' training scheme for another five years. It is the official seal of approval, and one which we are extremely proud to have!"

One of our most recent trainee's Shaun Karolinski, who is now working as a Civil/Structural Engineer added:

"I gained some valuable experience in the 3 months I spent working in Waldeck's Newark office as part of their training scheme. I developed a specific skillset that gave me the foundations to prepare me for moving to the South West to work on what is the biggest construction project in the UK for the past 20 years." ●



# INTERNATIONAL WOMEN IN ENGINEERING DAY #SHAPETHEWORLD

Earlier this year, Waldeck celebrated International Women in Engineering Day.



The international awareness day is celebrating its seventh year and is focusing attention on the remarkable careers available in engineering and technical roles for women.

Women studying and working in Science, Technology, Engineering and Mathematics (STEM) are generally underrepresented, but this is particularly apparent in engineering. In 2018, just 12% of the engineering workforce was female.

We spoke to some of our female engineers to discuss their experiences within their careers, including what they think the industry can do to create a more diverse working environment and #ShapetheWorld.



We caught up with (top to bottom):

**(AD) ALISON DOUBELL**

Director at Waldeck

**(CL) CRISTINA LANIVSKI**

Senior Structural Engineer at Waldeck

**(VR) VERONICA RUBY**

Associate Director and Lead BIM Consultant at Waldeck



**TELL US ABOUT YOUR JOB ROLE...**

**AD:** I'm a Director at Waldeck, and the Key Account Manager for several large multi-disciplinary projects. I also work to bring new projects into the company through business growth activities, and as a Chartered Engineer I'm also civil and structural CRE for several rail related projects.

**VR:** I'm an Associate Director/Lead BIM Consultant at Waldeck. My role in

the business is very varied, including delivering BIM Consultancy for projects, leading Waldeck's internal BIM strategy, heading up Research and Development activities across the business and also being responsible for ensuring technical training requirements are met for our staff.

**CL:** I'm a Senior Structural Engineer, and my main role includes the design and analysis of structures to meet necessary safety requirements. I am involved in a wide range of construction projects throughout the entire design process, from concept to completion. Within my role I prepare models, calculations, specifications and reports.

**WHY DID YOU CHOOSE AN ENGINEERING CAREER PATH?**

**AD:** I was naturally good at STEM subjects at school and was fortunate that I had teachers that encouraged me to go on several courses and work experience that promoted engineering. Civil and Structural Engineering was the discipline that appealed the most, so I chose to study this at University.

**VR:** Leaving school, I was never 100% clear with what I wanted to do. I always had an interest in design and took Product Design as a subject in Sixth Form, enjoying the evolution of creating something from concept to making the final piece.

Not having the desire to continue my education into University after leaving Sixth Form I was looking for work which had career prospects and

most importantly I found of interest. I applied to Waldeck to become a trainee draughtswoman and have since developed my career at the company over the past 18 years, undertaking a variety of roles and building on my design skills.

**CL:** Originally, Structural Engineering wasn't my first choice for a career. I tried some different options (Architecture and Psychology), but I am naturally an analytical thinker, and eventually found that Engineering suited me best.

#### WHAT ARE YOUR CAREER HIGHLIGHTS SO FAR?

**AD:** There have been many! Starting up a new office for Waldeck in Newark, which is a thriving multi-disciplinary design hub for the company has definitely been a key highlight, as well as working on a range of different projects; from manufacturing facilities and rail maintenance depots to the International Broadcast Centre of the London 2012 Olympics. Also, mentoring people through from school leavers to being Chartered Engineers has been an important part of my career to me.

**VR:** Obtaining an MSc degree in Building Information Modelling Management at Middlesex University, which was funded by Waldeck and was the UK's first work-based Masters with a BIM focus.

In addition, being involved in a number of high profile projects, one of which being Hinkley Point C, working with EDF Stakeholders to develop their



**...the industry covers a wide spectrum of different roles. You can be involved in great projects that make a real difference to how we live and have a long and rewarding career that is never ever boring.**

information requirements and modelling standards to ensure they acquire the required asset information from their supply chain in order to operate and maintain the facility throughout its 60 year lifecycle.

**CL:** A career in Structural Engineering has offered me great opportunities to study and work in multi-cultural environments, whether this has been whilst preparing my MSc Dissertation, PhD or during design projects (mainly industrial, commercial or residential buildings) in different countries across Europe.

#### WHAT DO YOU THINK THE INDUSTRY COULD DO TO PROMOTE A MORE DIVERSE WORKING ENVIRONMENT?

**AD:** I think there is still a perception that the industry is not for women and this perception starts at a very young age. There needs to be more interaction with schools at all ages to introduce construction as a whole and show the variety of roles on offer within the industry. We need to promote the STEM options available both in education onwards as a career and not curtail those females that show an aptitude and/or interest in the subject.

**VR:** As women working in the engineering industry, it's up to us to promote engineering as an attractive career to pupils in schools and colleges, hopefully giving young women the information they need to imagine themselves having a career in the industry.

**CL:** I do think education in schools should promote the construction industry more. I have seen books and TV shows for children presenting the industry in an attractive manner and I must say I felt proud to be a Structural Engineer. I think we are on the right path and the construction industry has plenty of opportunities for everyone, both men and women.

#### WHERE DO YOU SEE YOURSELF IN THE NEXT FIVE YEARS?

**AD:** I see myself continuing to work on a variety of exciting projects and developing more new business for the company. I also will be focussing on increasing our presence in the industry and developing STEM ambassador

opportunities with Birmingham City University.

**VR:** I plan to further my expertise in and around the digital environment, creating innovative modelling solutions that deliver significant benefits, not only at the design and construction stage but through the lifetime of the built asset.

**CL:** Having only recently arrived here in the UK, I am going to take things a step at a time. I would like to become a member of The Institution of Structural Engineers IStructE and also work towards becoming a Chartered Structural Engineer.

#### WHAT ADVICE CAN YOU OFFER TO WOMEN WHO WOULD LIKE TO PURSUE A CAREER IN ENGINEERING?

**AD:** It is possible, and don't be persuaded otherwise. There are numerous opportunities and the industry covers a wide spectrum of different roles. You can be involved in great projects that make a real difference to how we live and have a long and rewarding career that is never ever boring. Take every opportunity that there is to gain an insight and progress in the world of engineering and believe you have the same right to be there as anyone else.

**VR:** Don't be discouraged by a male dominated industry. Engineering is a diverse area to work in and with technology changing the way the industry operates it is an exciting time to be a part of the industry.

Furthermore and from my own personal experience, I have been given the support I needed to develop and flourish and thus progress within the industry.

**CL:** I believe the boundaries between gender stereotyped careers are starting to fade away. As technology continues to evolve, I think everyone should at least have in mind a related profession. Structural Engineering involves lots of technology and innovation, and women will always bring a valuable contribution to any sector, role or company. ●

To find out more about International Women in Engineering Day please visit [www.inwed.org.uk](http://www.inwed.org.uk)



**I've worked with Kirsty in a variety of capacities over her fifteen-year career and am delighted to have her on-board as part of our Commercial team.**

## **WALDECK WELCOMES CARE SPECIALIST TO WEST MIDLANDS TEAM**



**Waldeck are delighted to welcome care and affordable housing specialist Kirsty Tune to our West Midlands team as an Associate Director.**

Kirsty joined the team at an unusual time for any business, but we are pleased to be able to virtually introduce Kirsty into our growing Commercial team, who are based in Birmingham.

Graham Wright, Director of Waldeck's Commercial team shared:

"I've worked with Kirsty in a variety of capacities over her fifteen-year career and am delighted to have her on-board as part of our Commercial team.

"Kirsty brings with her vast experience and knowledge of successfully delivery programmes for clients across the affordable housing and care sectors.

"We are already working on four retirement / care schemes and three affordable housing schemes across the West Midlands and wider UK for clients such as Wrekin Housing, Platform and Citizen Housing. Having Kirsty's experience and expertise will bolster our resource and enhance our service delivery. I wish Kirsty a very warm welcome to the team!"

**To find out more about how our Commercial team can support your up-coming projects, please get in touch with Kirsty Tune or Graham Wright by calling 08450 990 285.**

## MEET THE ARCHITECTURE TEAM:

# MARTIN CHEUNG

**Following the recent growth of our Architecture team, we caught up with Principal BIM Manager, Martin Cheung to find out more about life as part of the team.**



Martin began his career straight after college at 18 as an Architectural Assistant and attended University part-time on day release for six years before graduating with a degree in Architectural Technology in 2014.

Martin later joined Waldeck in 2016 and progressed to a Principal BIM Manager whilst working on a broad range of projects for clients such as Harrods, Network Rail and Jaguar Land Rover.

In addition to his role at Waldeck, Martin is also an experienced Associate Lecturer, having lectured on BIM and Project Collaboration at the University of Derby for the past five years. In his spare time, Martin likes to golf, mountain bike and explore nature with his fiancé Victoria and their spaniel Ruby.

### **SO MARTIN, WHAT IS THE BEST PART ABOUT YOUR JOB?**

I would say the best part about my job is constantly learning, I enjoy delving deeper into understanding about the other disciplines we work closely with too, such as engineering and commercial management. Collaborating as a multi-disciplinary team on a daily basis has its challenges but is ultimately very rewarding!

### **AS A BIM LECTURER AND PRINCIPAL BIM MANAGER, WHAT WOULD YOU SAY ARE THE MAIN BENEFITS OF UTILISING BIM WITHIN A PROJECT?**

I have attended seminars nationally and discussed this very question with my international students many times. The 'benefit' ideologies internationally are predominately consistent; to have a single sourced Common Data Environment (CDE) to plan, design, build and operate. This permits all parties, with specific project discretions to view, comment and co-ordinate effectively together, with inputs of clash detection and reporting

for an efficient, cost effective project. Ultimately, a simple, clear approach with effective communication will maximise beneficiaries as each project progresses.

### **WHAT HAS BEEN YOUR FAVOURITE PROJECT TO WORK ON SO FAR, AND WHY?**

My favourite project to date would be a station redevelopment that we are currently working on, once completed the station will be the gateway to the commonwealth games in 2022 as main access to Alexander Park. This project has given us a great opportunity to flex Waldeck's BIM capabilities, from in-house terrestrial Point Cloud surveys with virtual tours to DTMs based purely on the 3D environment, allowing all stakeholders to clearly interpret the design and comment, as well as logging all co-ordination reviews to a single cloud source.

### **IN YOUR ROLE AS ASSOCIATE LECTURER, HOW DOES TAKING YOUR EVERYDAY KNOWLEDGE FROM INDUSTRY BENEFIT YOUR STUDENTS LEARNING?**

I recently completed my fifth year of lecturing in 'BIM and Project Collaboration' as part of the University of Derby's BIM Management MSc course and absolutely love being part of the lecturing staff. The most important part of the role for me is that, by working for Waldeck as a Principal BIM Manager full-time I can ensure that I pass down my real-world experience to the students as well as the necessary theory and processes.

Working as part of Waldeck's architectural team, on a range of multi-disciplinary projects for clients across the sectors means I can help the students learn and understand the best application of the course's theory. Sharing my working knowledge of what I call the 'good, bad and ugly of BIM' enables me to educate the next generation of engineers, project managers and so on, ready to apply their MSc to live projects.

### **WHAT'S NEXT FOR YOU AND THE ARCHITECTURE TEAM?**

I really enjoy working as part of a well experienced architectural team, exploring the boundaries of utilising BIM and ensuring a quality and cost-effective delivery of projects for our client. I am also exploring the opportunities around virtual lecturing sessions especially during the current pandemic.

**To find out more about Waldeck's Architecture team please call Martin Cheung on 08450 990 285.**



# £14 MILLION NETWORK RAIL DEPOT FACILITY OPENS IN DONCASTER





**After work began back in 2015 to transform the site at Marshgate, on Tuesday 7th July, Network Rail opened their new £14million depot in Doncaster.**

The site aims to bring highly skilled teams across the area together and to boost the economy in the town which is renowned for its railway history.

Almost 600 workers are set to be based at the multi-million-pound facility, meaning teams can work more collaboratively on projects to maintain and advance the railway.

The site is hoped to bring opportunities for future jobs at Network Rail alongside being more inclusive for everyone, with gender-neutral facilities such as toilets and changing rooms, and lifts which mean the buildings are accessible for all.

Work on the main building is now complete, but the Covid-19 outbreak has forced developments to pause on the final stage of the project and landscaping work will continue as teams begin to use the facility.

Risk assessments have also been carried out to make sure workers can continue following social distancing guidelines, with some smaller buildings, which were due to be demolished, remaining to create additional space.

Andrew Haines, Chief Executive of Network Rail, said: "As an industry, we have a lot to do as we support people returning to the railway after Covid-19.

But we have a fantastic history in Doncaster as one of the archetypal railway towns and we have a fantastic history in the name of Mallard.

"I genuinely believe that with the quality of the people we have here and these new facilities to support them, we have a fantastic future as well."

Rob McIntosh, Managing Director for Network Rail's Eastern Region, said: "It was important for us to develop this modern £14million depot in Doncaster to celebrate the strong railway history in the town.

"Doncaster is already home to the Flying Scotsman and the National College for High Speed Rail, and this state-of-the-art facility at Marshgate will enhance both the vital work that our teams are doing in the area and the future of the railway.

"It will bring workers from depots across the area together, so that they can work collaboratively to maintain and improve the railway in the region."

Alison Doubell, Director of Rail at Waldeck, added: "Waldeck were appointed by Buckingham Group to provide a multi-disciplinary design solution including Architecture, Civil and Structural Engineering, Mechanical and Electrical Building Services Design and Principal Designer duties for the construction of the new three-storey office and storage building. The project was part of a consolidation project to join several dilapidated buildings together into two sustainable and intrinsically well-designed spaces.

"Work has involved a complex phasing and demolition strategy to avoid operational disruption to the main site and has seen the Waldeck team working closely with the project supply chain." ●

**To find out more about our Rail capability, please contact Alison Doubell by calling 08450 990 285.**



# WALDECK TO PROVIDE ENGINEERING SERVICES FOR WEST MIDLANDS INTERCHANGE

The new West Midlands Interchange (WMI) has been given the green light to proceed on land which links the M6 motorway and West Coast Railway Mainline at Four Ashes, in Staffordshire.



Waldeck have been working on the feasibility and planning for the project alongside Four Ashes Ltd and Kilbride Group for several years and are looking forward to providing engineering support on the scheme now it has been given the go-ahead.

The rail freight interchange, which will create more than 8,500 jobs includes an intermodal freight terminal with direct connections to the West Coast Main Line, capable of accommodating up to 10 trains per day and trains of up to 775m long, including container storage, Heavy Goods Vehicle ('HGV') parking, rail control building and staff facilities.

#### THE PROJECT WILL INCLUDE:

- Up to 743,200m<sup>2</sup> of rail served warehousing and ancillary service buildings
- New road infrastructure and works to the existing road infrastructure
- Demolition of existing structures and earthworks to create development plots and landscape zones

→ Reconfiguring and burying of existing overhead power lines and pylons; and Strategic landscaping and open space, including alterations to public rights of way and the creation of new ecological enhancement areas and publicly accessible open areas

Malcolm Holmes, Director of Rail for Transport for West Midlands (TfWM) and executive director for the West Midlands Rail Executive (WMRE) said: "Freight and logistics are vital to our region's economic activity and development; the West Midlands Interchange delivers further rail freight capacity providing a sustainable route to market for the West Midlands."

Tim Leach, Director of Civil & Structural Engineering at Waldeck shared: "This has been a great project to be involved with over the past few years and the order by the Secretary of State to grant development consent is a testament to the hard work of the top-class team and the commitment to the project vision by its sponsors.

"The Government's policy is to encourage the shift of goods from road to rail to help reduce carbon emissions and provide economic benefits. It is clear that this, as part of a network of SRFIs across the UK, will help realise this aim."

Those behind the project say it will generate £427 million of local economic activity each year, and, through the supply chain, create £912 million of economic activity each year nationally.

The site was identified for its potential to boost economic growth through its location in the M54 Wolverhampton – Staffordshire High Growth Zone. ●

**To find out more about our Civil & Structural Engineering, please contact Tim Leach by calling 08450 990 285.**

Images kindly provided by Chetwoods



# £27 MILLION FLAGSHIP STAFFORDSHIRE UNIVERSITY BUILDING TAKES SHAPE

**VINCI Construction UK recently secured a £27 million design and build project for Staffordshire University's new Catalyst building – a flagship regional hub for apprenticeships and digital skills.**

Set to open in 2021, the Catalyst building will support students to study flexible degrees that meet their needs and those of employers, and help students secure highly-skilled jobs.

The facility will act as a study base for 6,500 new apprenticeships by 2030, and once complete, will be home to a dedicated Apprenticeships and Digital Skills hub, an employer hub, a modern library and learning hub, a new food court and flexible event space.

Professor Martin Jones, Deputy Vice-Chancellor of Staffordshire University, said the building would have a positive impact on students and the wider community: "The new Catalyst Building will enhance the learning and social experience of all of our students, enabling them to achieve their full potential and to play an active part in the life of the University and wider community.

"The cutting-edge facilities will support our students to study flexible degrees that meet their needs and those of employers. The University plans to be the catalyst in transforming lives and prospects and helping students secure highly-skilled jobs.

"Many of our students come from the local area and our investment in them, through the Catalyst building and the work of the University, is supporting the region to grow and take on the challenges of the 21st century."

Michael Roadnight, Regional Director at VINCI Construction UK, also shared: "We're delighted to be appointed on the Catalyst building project, which will provide a fantastic facility for employers and apprentices in the Midlands."

Imtech Engineering Services, who have been appointed by VINCI, have selected Waldeck's Mechanical & Electrical Building Services Design team to help deliver the state-of-the-art facility.

Luke Mitchell, Waldeck's Project Lead, shared: "We are excited to be involved with this project as we are developing the initial forward-thinking sustainable concept created by Max Fordham to a RIBA Stage 5 design.

"Our development of the conceptual design will concentrate on getting the best out of the proposed technologies such as a mixed-mode ventilation system that distributes temperature controlled fresh air via underfloor plenums, a TABS system that utilises the distribution of embedded pipework within the concrete structure to store and exchange thermal energy (radiant heating and cooling) to specific areas of the building, adaptive set-point controls, low energy lighting, electrical and telecoms distribution that are adaptable for open space collaboration, a large PV array and three innovative reversible heating and cooling air source heat pumps.

"The proposed building is intended to minimise its impact on local air quality and carbon emissions, so we opted to use electricity as the main heat-generation medium, rather than on-site combustion. This lent itself to an air source heat pump-based heating and cooling solution. Being able to integrate all of these sophisticated technologies is a challenge which I believe Waldeck are experienced to deliver". ●

**To find out more about our Mechanical & Electrical Building Services Design, please contact Luke Mitchell by calling 08450 990 285.**





# HARROD'S TEAM MOVE INTO NEW CUSTOM -BUILT STUDIO

You might be familiar with the newly re-imagined department's in-store at Harrods – but did you know another transformation has been happening behind the scenes?

Harrods have now set up shop in a new Shoreditch based studio that has been custom-built from scratch just for them.

The new premises are home to their teams who contribute to the website: production, photography, styling, copy, stock and image coordination. Together, they shoot approximately 520,000 photographs a year, including all product images for their website.

Waldeck were appointed by Harrods as the Architect and Lead Consultant on the project.

Working on this project through RIBA Stages 3 – 7 our team worked closely with Harrods stakeholders, FM's and their consultant team to develop a design for the new studio to specifically meet the team's operational needs, ensuring that the new space was exactly to their requirements.

It was imperative that the new studio met the diverse team's current work demands whilst also allowing flexibility due to the nature of the fast-moving retail sector.

This was accommodated for through ideas such as the lighting having a high degree of user control to enable each work area to be adapted to suit the shooting requirements including raised computer floor and the walls being lined with a specialist acoustic panel to enable speech to be clearly heard in a large open-plan area.

The studio reflects the value and aspirations that epitomises the Harrods brand, with great attention to detail, high specification and collaborative working through the open plan layout throughout. The new space has also been dressed with planting and art to create into a fantastic working environment.

The scope of the works was to create a space totalling 1738m<sup>2</sup> gross internal floor area and comprising of the following:

- Ancillary plant and server areas
- A main studio with multiple individual shooting areas
- A mezzanine deck with a goods lift completed with bespoke rack storage layout (333m<sup>2</sup>)
- A secure reception area
- A secure storage area
- A segregated studio with folding doors to enable flexibility of layout
- Collaborative workstation areas
- Multiple collaborative spaces for meeting rooms
- Showers, WC's and bike store
- Sociable kitchen and breakout areas

The feedback from Ally Horrax, Head of Studio Production and her team has been extremely positive.

Ally Horrax, Head of Studio Production at Harrods shared: "Being under one roof makes us feel more

connected. The space has been purpose-built to be flexible and facilitate the best equipment for our imagery. A lot of companies don't build their own studios, but we did it to be in control of our destiny – and that really comes across.

"I was once told, "Harrods will never build its own studio", but I always knew it was the right thing to do. So to be stood here having previously drawn it on a piece of paper is quite emotional."

Marta Michnik, Junior Online Copywriter also said: "Our new studio is even more than I imagined it would be. Having a space that's been designed for us from scratch has made us feel really appreciated, and it's made it easier to come together and get to know the people that we work with. I'm part of the Social Committee here, so along with work, there's so much social potential in this space." ●

**To find out more about our Architecture capability, please contact Stuart Denniss by calling 08450 990 285.**



...to be stood here having previously drawn it on a piece of paper is quite emotional.





# NEW HOMES NEAR COMPLETION ON HECKINGTON RESIDENTIAL SCHEME

**Last year Waldeck were appointed by Chanceoption Homes to deliver the civil engineering design for an £11 million development of over 100 new residential homes within the rural village of Heckington, Lincolnshire.**

We are pleased to share that 60% of the executive-style homes in the sought-after area are already occupied, with the remaining 30 homes due for completion in August 2020.

Our local team have been providing civil design elements for the entire site, working closely with the project architect from the early stages of development, taking the design from RIBA Stage 3 to Stage 5.

As part of our role, we also obtained Section 38 highways approval with Lincolnshire County Council and Section 104 Anglian Water approval, taking into account the need for Sustainable Drainage System (SuDS) features across the site.

During the design phase, our team worked closely with the project architect to incorporate the SuDS features into the site concept, to accommodate for the proposed development. As the design progressed from concept to detailed design, the attenuation pond was adapted so the development could increase from the originally proposed 100 units, accommodating a total of 109 units.

Sam Young, Waldeck's Project Manager running Waldeck's team shared: "Following my recent site visit, it was great to see such swift progress happening across the scheme. The project has been a good example of working efficiently with the planning authority to provide additional housing and amenities to the area. We look forward to continuing our relationship with Chanceoption Homes and hope to continue supporting them on other residential schemes in the future."

By developing a transparent relationship with Chanceoption Homes and all stakeholders, we have been able to address issues effectively which enabled the delivery of a scheme that all stakeholders, including the client were satisfied with.

Through close communication with the client team, Lincolnshire's Development Control, and an open approach to design development, the Section 38 approval was submitted and signed off within 3 months of Lincolnshire County Council's review. Waldeck were commended by the council as being the quickest S38 approval they had completed. ●



**39 NEWS HOMES****MAJESTIC WAY, TELFORD**

Waldeck are pleased to have been appointed as Employer's Agent and CDM Consultant by repeat client, Living Space Housing who have secured a 6.3-acre site off Majestic Way in Telford to develop 39 new homes.

The Solihull-based company has secured the site from Homes England, with the disposal being managed by Telford & Wrekin Council as part of the Telford Land Deal.

Living Space will develop the affordable homes following approval of a reserved matters application.

The scheme will be developed on behalf of a registered provider and Living Space is currently in discussions with a number of regional and national interested parties. The project is anticipated to have a development value in excess of £7 million.

Steve Davies, Managing Director of Living Space Housing, said: "It is rewarding to be working with Homes England and Telford & Wrekin Council to bring forward this residential development site, which is within easy

reach of Telford town centre. While the COVID-19 pandemic has led to construction work pausing on many development sites to keep everyone safe, our land team is working hard to secure many more projects like this one." In addition to this, Waldeck have also been appointed on a second site:

**38 NEW HOMES****PARK ROAD, TELFORD**

Waldeck will be working closely with repeat client Living Space Housing as Employer's Agent and CDM Consultant to deliver a housing scheme on the 2.1-acre development site at Park Road, Telford. The scheme has a gross development value in excess of £6 million.

Living Space Housing assembled the land, secured the planning permission and will construct the scheme. The company is in the final stages of negotiations with a large Midlands-based housing organisation who it will deliver the new homes on behalf of.

The site density is 44 dwellings per hectare, which is lower than the

overall density for the local area.

The accommodation mix comprises four 1-bedroom maisonettes, nine 2-bedroom houses, 21 3-bedroom houses, two 2-bedroom bungalows and two 3-bedroom bungalows.

Steve Davies, Managing Director of Living Space Housing, shared: "We are delighted to have a Resolution to Grant for our Park Road scheme, which was achieved during the COVID-19 lockdown via a virtual committee meeting.

"Having engaged in constructive pre-application discussions with the Local Planning Authority and then having worked closely with key consultees throughout the planning application process, we are delighted to have developed a positive working relationship with the council, which we can look to build upon in the near future on other known development opportunities.

"This is our third development in Telford in quick succession and we are looking to bring forward three more sites in the town to help address the Local Authority's affordable housing needs."

# WALDECK APPOINTED ON TWO NEW RESIDENTIAL SCHEMES BY LIVING SPACE HOUSING



**we are delighted to have developed a positive working relationship with the council, which we can look to build upon in the near future on other known development opportunities.**





# WALDECK ANNOUNCED AS PREFERRED SUPPLIERS ON £750 MILLION 'INNOVATION CHAIN NORTH' FRAMEWORK

**Waldeck's Commercial team have been appointed as preferred suppliers on Great Places Housing Group's new £750 million Innovation Chain North (ICN) framework.**

The new four-year framework which has social value at its heart includes 113 approved suppliers; made up of 30 contractors and 83 consultants and will run until June 2024.

The framework has been designed to support delivery of new homes across the north of England, not only to support Great Places' very ambitious development programme but also those of other Housing Associations operating across the north of England. Waldeck have been successful on the following lots:

- **BUILDING SURVEYING** North West and North East
- **CLERK OF WORKS** North West and North East
- **PURCHASERS AGENT** North West and North East

The successful organisations were selected based on their technical competence, price and their commitment to social value.

Helen Spencer, Great Places' Director of Development, said: "We are delighted to be working with Waldeck on our new ICN framework. We are confident they will be able to work with us and the clients of ICN in delivering the sector's extensive development ambitions in the North. We were delighted to have a huge response from the market and receive high quality proposals and substantial social value pledges for our communities. We are now looking forward to mobilising the framework and working together on new projects with Waldeck supporting us with their Building Surveying, Clerk of Works and Purchasers Agent services."

Joanne Whitehead, Great Places' Procurement and Performance Manager, said: "Well done to Waldeck and all the organisations who have been awarded a place on the framework. We received a large number of high-quality bids and we now have an excellent group of contractors and consultants covering a wide range of disciplines to support our housing delivery ambitions. Great Places and the other housing providers who access the framework look forward to working with them all in the future."

Graham Wright, Director of Commercial at Waldeck, shared: "We are delighted to have been appointed on the ICN framework, which creates a fantastic opportunity for the Waldeck team to start replicating the work we are doing within the housing sector in other parts of the UK, across the north of the country too.

"The new framework ensures that organisations have tried and tested partners to help them deliver their extensive development programmes and to help collective ambitions to tackle the housing crisis, a movement which we are proud to be part of.

"This new framework bolsters our offering in the north west where we are currently building a client base and looking forward to growing our team over the coming months and years." ●

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**To find out more about Waldeck's Commercial or Housing capability, please get in touch with Graham Wright by calling 08450 990 285.**



**We are confident they will be able to work with us and the clients of ICN in delivering the sector's extensive development ambitions in the North.**





