

# INSIGHT

HOW CAN  
DIGITAL DATA  
CAPTURE

**ENHANCE  
YOUR 2020  
PROJECTS?**

**West Midlands  
commercial team  
welcomes new  
Associate Director**

**Team takes  
home two wins  
at CIBSE Yorkshire  
Awards**

**Two nominees  
shortlisted for  
Young Achiever  
Awards**



**It is a great acknowledgement of the work we have been delivering for our clients over the past year.**



## **WALDECK SCOOP TWO WINS AT CIBSE YORKSHIRE AWARDS**

**Waldeck have been announced as the winners in two categories at the CIBSE Yorkshire Awards.**

The team scooped the prize for 'Small Consultancy of the Year' as well as 'Retail Project of the Year' for their involvement in IKEA's flagship eco-store in Greenwich.

Andy Inkson, Director of Waldeck's Mechanical and Electrical team based in Sheffield shared:

"We are delighted to have received these two awards from CIBSE Yorkshire and the judging panel, it is a great acknowledgement of the work we have been delivering for our clients over the past year.

"We were up against strong competition and would like to congratulate all those who were shortlisted as well as those who took home prizes on the night."

The awards, held at the Royal Armouries in Leeds, ran for the fourth year this year, hosting nearly 400 people from across the industry, celebrating the good work by Yorkshire based organisations, whilst also recognising the next generation of industry professionals.



## COMMERCIAL TEAM GROWTH

# WELCOMES NEW WEST MIDLANDS BUILDING SURVEYING DIVISION

**Waldeck's Commercial team has strengthened its Building Surveying offering following the appointment of new Associate Director, Mike Greenway.**

### ABOUT MIKE

Mike has spent twenty years in the industry and is a client-facing Surveyor whose experience covers new-build and refurbishment projects and maintenance programmes for sectors such as leisure, retail, social housing and private housing, as well as conservation and education facilities.

Mike also has many years' experience of carrying out Employers Agent, Principal Designer, CDM Health & Safety Advisor, Contract Administrator and Project Co-ordinator services for the above sectors.

### ABOUT THE NEW DIVISION

The division will expand on Waldeck's current offering to provide Building Surveying services as well as CDM, Principal Designer and Health & Safety support to our clients in the West Midlands.

Our team are already working on numerous projects, delivering services including Contract Administration, Employers Agent, Commercial Dilapidations, Condition Surveys as well as providing Principal Designer and Health & Safety Advisory roles.

Providing a wide range of services from acquisition to occupation, our experts are able to help clients maintain the asset of an individual, or a portfolio of properties.

With highly skilled Chartered Building Surveyors amongst our team, we also provide advice and expertise across a range of specialisms to help maximise clients' portfolios in both the public and private sectors.

As an over view, our Building Surveying services include:

- Building Surveys & Defects Diagnostics
- Acquisition Survey Reports
- Feasibility Studies
- Party Wall Advice
- Planned Maintenance & Condition Surveys
- Dilapidation Preparation
- Contract Administration Specification & Design
- Fit-out and Refurbishment Works
- Insurance Reinstatement
- Access Consultancy (Equality Act 2010)
- Principal Designer & Health Safety Advisor Services

### GET IN TOUCH

If you are interested in finding out more about our Building Surveying capability, and how we can help you, please get in touch with Mike by calling 08450 990285.



Greater Lincolnshire  
Construction & Property Awards 2020

# WALDECK SHORTLISTED IN LINCOLNSHIRE CONSTRUCTION AND PROPERTY AWARDS

We are proud to share that Waldeck has been shortlisted three times for the Lincolnshire Construction & Property Awards.

This year, we are a finalist in the 'Consultancy of the Year' category as well as the 'Young Achiever of the Year' category where both of our entries, Rebecca Hicks and Katie Nesbitt have been shortlisted.



**Katie Nesbitt**  
Architectural BIM Technician



**Rebecca Hicks**  
Talent Acquisition Partner

Following this news, we caught up with Katie and Becky about their careers so far, and to find out why they are so pleased to have been shortlisted.

## TELL US ABOUT YOUR ROLE AT WALDECK?

### Becky:

I joined Waldeck in 2016 having never worked in the construction industry previously. My role began as a Recruitment Officer and has continuously evolved since then. My role now sees me working in my day to day job as a Talent Acquisition Partner, whilst also engaging in various other areas of the business.

My daily routine can vary day to day depending on the wide range of projects going on at the time, but my main responsibilities include:

- Recruiting candidates to work on multi-million-pound projects
- Attending careers events and school fairs to market the company to local students
- Co-ordinating training and development across the team
- Maintaining regular contact with all employees to ensure everyone is happy and quickly resolving any problems
- Managing all administrative duties involved with HR and recruitment, including writing contracts, policies and job descriptions
- Promoting the company benefits to all employees and continuously looking for new benefits to implement to improve employee wellbeing
- Working with work experience students to help them with career decisions

I have also become a key part of other groups across the company to ensure Waldeck is a great place to work for all:

### → Employee Engagement Committee Member

Working with a team of other positive-minded individuals from within Waldeck, the Employee Engagement Committee (EEC) have regular meetings to discuss ways in which we can improve the company.

### → Emergency First Aider

One of my main hobbies is scuba diving and as part of my training for this I had to become an Emergency First Responder in case of an emergency in the water. Holding this prior experience and knowledge, I felt it would be good for me to expand my knowledge to first aid in the workplace and have recently become one of Emergency First Aiders for our Head Office.

### → Mental Health First Aider

Mental health has become a massive part of our workplaces, having been exposed to mental health illnesses in various ways throughout my life, this is something that is important to me. In a recent study, 1 in 5 engineers said that they had lost a colleague to suicide, which is a shocking figure and a number that needs to change drastically. As a qualified Mental Health First Aider I hope that I can support my colleagues as part of a working environment where all individuals feel comfortable to talk to someone about what they're going through.

## BUSINESS UPDATE

### → Diversity Champion

As a diversity champion I act as an ambassador for inclusivity and am responsible for helping the business to achieve inclusivity across all of our endeavours.

#### **Katie:**

I joined Waldeck in 2015 through the in-house BIM Academy as a Trainee CAD Technician, where I started my Level 4 in Construction and The Built Environment.

After my first review, the company and I realised my strengths and passion was for the architecture side of the business, due to my creative flair and eye for design. This area was naturally where a lot of my skills pointed towards, and it was highlighted by my team leaders that I excelled in this field.

After 6 months I integrated into the architectural team as a Junior Architectural Technician, later progressing again after a year, to Architectural BIM Technician. My roles have continually evolved to meet the needs of the business, and to allow me to learn, develop and progress within my role. In my current role as Architectural BIM Technician, I now:

- Design and develop building plans, elevations, sections and details, creating both 2D outputs and 3D models from sketches or mark-ups
- Update and maintain design records for future use and reference
- Assist team design reviews in order to evaluate design concepts and make recommendations to resolve problems, to obtain information for drawings and execute projects on time and on budget
- Produce visualisations for clients and for concept designs

### WHAT PERSONAL DEVELOPMENT HAVE YOU SEEN IN THE PAST FEW YEARS?

#### **Becky:**

Since beginning my journey at Waldeck in 2016, I have shown a commitment to my personal development and progress through a host of new qualifications and training, such as:

- Level 2 Certificate in Equality and Diversity
- Firmseo Security Screening
- Emergency First Aid at Work
- Mental Health First Aid
- Level 5 CIPD Course in Human Resource Management

#### **Katie:**

Since beginning my journey at Waldeck in 2015, I have shown a commitment to my personal development and progress through a host of new qualifications and training, such as:

- BRE BIM Essentials
- BTEC Level 4 HNC Construction and The Built Environment
- Emergency First Aid at Work
- Architectural Technology BSc Degree
- CSCS Visitor Qualification
- Taking part in various CPD Sessions

The most significant of these being my university studies.

A highlight of my career so far was enrolling at Sheffield Hallam University to do my Architectural Technology BSc Honours Degree, which I began in 2017. My last set of marks were 76% for the year, which currently equates to a First-Class Honours.

I am studying for this degree part time, whilst working full time and I am currently in year 3 of 6.

I would also really like to achieve an accredited degree (recognised by CIAT) at the highest standard in order to progress to become MCIAT, eventually becoming a Chartered Architectural Technician.

### WHAT WOULD IT MEAN TO YOU TO WIN THIS AWARD?

#### **Becky:**

I feel I have been quite late on deciding on my career choice and now at the age of 25, it would be amazing to gain an achievement such as this.

Someone in the business actually showed me this award and suggested I would be a great candidate, which really made me step back and take count of what I have achieved. When you are just going about your day-job and continuously thinking about the staff in your business and how you can improve their careers, benefits packages, day-to-day lives and work-life balance it is easy to forget about your own goals and ambitions.

I only started my CIPD journey in 2019, but I already feel like I've come so far and if I won this award this would only further push me further and maybe make me step back and realise how far I have come and what I have achieved so far. Support teams like HR, Marketing and Finance are notorious for being 'overheads' in the construction industry, but people often forget that our companies wouldn't be able to function without us. This award would not only show individuals that see us as overheads that we do important work, but also that we're crucial to how the industry is run.

#### **Katie:**

Achieving this award would mean the world to me. Just over four years ago when I started at Waldeck, I had minimal experience within construction, but knew that I had a passion for the industry and wanted to know how and why buildings worked in certain ways.

At the time, all I wanted was to be successful and make a life for myself where in 30 years' time I could turn around and say I didn't just settle. However, I never thought I would be where I am today and would have achieved as much as I have done so far.

Growing up in Lincoln and being surrounded by its history and architectural influences has really guided me into the career I have today. I want to be an inspiration to others whether already in the industry or looking to start a career in construction, helping them realise that so long as they put their mind to it, they can achieve anything. Nothing is too big; the impossible is always possible! It doesn't matter how much knowledge or experience you have, if you put in hard work, commitment and dedication, you will be rewarded - whether it be a good grade, an award or simply some self-confidence and being proud of the work you have done.

## TECHNOLOGIES



# USING DRONES TO IMPROVE HEALTH & SAFETY IN CONSTRUCTION

Yesterday, Waldeck recently exhibited at the IOSH South East Branch's 'Top 5' Construction Event, which was attended by Construction Health and Safety professionals from across the region.

With 52% of the construction industry now utilising drones on projects, we talked to delegates about how drones can be used to improve Health and Safety on projects and how to ensure they are working with a qualified team.

## TOP TAKEAWAYS

Drones can be used for many tasks including:

- Inspection
- Monitoring
- Non-destructive testing
- Reporting
- Surveillance
- Surveying

The use of drones on construction projects is not restricted to generic buildings projects, they can also be used for:

- Hazardous environments
- Large-scale construction sites
- Off-shore sites
- Railways
- Restricted and confined spaces
- Wind farms
- The Health and Safety benefits

The use of drones on construction projects can create many benefits such as time savings and cost efficiencies. However the most important success of drones for any project, is the impact that using this technology can have on Health and Safety. For example, drones:

- Are able to access hard to reach areas not possible with aerial work platforms
- Are capable of inspecting unsafe structures without risk
- Capture data quickly to minimise time required on potentially hazardous sites
- Capture large amounts of data, mitigating the need for site revisits
- Minimise the need for entering confined spaces
- Minimise the need for working at height
- Require minimal resource to complete a task

## AUTHORISED TO FLY?

It is important to always use a company who has Permission for Commercial Operations (PfCO) for any work using a drone.

To gain a PfCO from the Civil Aviation Authority (CAA), an operator must undertake training and pass a series of practical and theoretical exams well as produce an Operations Manual.

You can check to see if a business has PFCO by visiting the below websites:

### Civil Aviation Authority

[www.caa.co.uk](http://www.caa.co.uk)

### ARPAS

[www.arpas.uk](http://www.arpas.uk)

### DroneSafe

[www.dronesafe.uk](http://www.dronesafe.uk)

Waldeck are fully qualified to fly drones for commercial use and have a broad experience using drones across the construction industry in the UK.

If you would like to speak to one of our Remote Pilot Certificate SUAS (RPCS) qualified pilots to find out how we can support your construction project, please get in touch by calling 08450 990285.



**The use of drones on construction projects can create many benefits such as time savings and cost efficiencies.**

**Whether you are looking to build new facilities, or manage existing assets, utilising digital data capture can reap many rewards for a project.**

Due to continual advances in technology, many organisations have been left with the dilemma of which solutions to use in order to capture the data they need.

**HOW WE CAN HELP**

Our digital capture team works with project teams and businesses to understand their specific requirements, enabling them to see full benefit of the data over its lifecycle use. Our digital capture solutions support multiple use cases, from informed concept and design stage activities to supporting intelligent decision making for owner-operators.

Waldeck offer a wide range of surveying methods which allows us to ensure we are always using the right technology for the job. Our experience across multiple industries and design disciplines gives us the knowledge to make sure we meet our client's requirements, delivering the data they need in the best format to suit their project requirements.

Our team, work with our clients to understand their needs and utilise available technology to the best of its potential. By doing so, our clients see benefits such as:

- Cost savings due to faster methods of capture and minimum disruption to live sites
- Fully co-ordinated outputs for easy project integration
- Geolocation to suit ordnance or site datum's
- Improved health and safety, minimising the need for specialist access equipment and working at height
- Much more information captured than if traditional methods were used, providing wider context
- The ability to use the data in a 3D environment
- Variety of outputs ranging from 2D drawings to 3D point clouds

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# OUR TOP 3 DATA CAPTURE METHODS, EXPLAINED:



### MOBILE MAPPING

Mobile mapping solutions offer an alternative to traditional survey and reporting methodology, visually improving the understanding across projects and businesses. Incorporating the latest 360-degree cameras, sensors and drones, our team can provide a range of visualisations from single high-resolution images, to fully immersive virtual tours with embedded annotation and reporting.

#### Our approach

To achieve the desired results for our clients, we utilise:

- 360-degree Google street view outputs
- 360-degree photography
- Annotated Virtual tours
- High resolution photography
- High resolution videography

#### Specific benefits

- Communication of traditional reports in an easy-to-use and visual format
- Easy access from mobile devices
- Free view software solution, enabling trouble-free access to your data
- Immersive deliverables, enabling a context-based review
- Integrated images, video and documentation, enhancing user understanding
- The ability to showcase your business or project



### INSPECTIONS

As well as capturing and recording environments, our team are able to provide inspection services to supplement our survey data providing a comprehensive overview of buildings and assets.

Whilst camera technology can be used to create a variety of different data sets, the use of thermal imaging and infrared cameras can provide further insights on construction sites. With the right combination, captured data can be used throughout the project and asset lifecycle, from cut/fill analysis at the start of a project, to as-built validation at handover, and inspection during a structure's operation.

#### Our approach

To achieve the desired results for our clients, we utilise:

- Aerial surveys and inspection
- Condition surveys
- Construction surveillance
- Utilities mapping

#### Specific benefits

- Avoidance of costly and time-consuming disputes
- Confined spaces and hazardous environments can now be captured
- Improved health and safety, minimising the need for specialist access equipment and working at height
- Measurable output
- Minimum disruption to live sites
- Spatial and volume measurements
- Surface and volume analysis



### SCAN TO BIM

Accurate, intelligent Building Information Modelling (BIM) models can be created from 3D laser scan data by capturing large sites and buildings in high levels of detail.

Using 3D authoring software, we are able to accurately re-create an as-built model of an existing facility or asset, and then using the intelligent 3D model manipulate, change, analyse and adapt all aspects of the as-built model to suit the specific projects requirements.

Creating 3D geometric models which accurately reflect the asset allows meta-data to be attributed, creating intelligence which can be harnessed to better understand and operate it.

#### Our approach

To achieve the desired results for our clients, we utilise:

- Construction verification toolsets
- Scan to BIM solutions

#### Specific benefits

- Construction verification reporting
- Enables virtual review and co-ordination activities
- Models can be visualised and rendered for stakeholder engagement and promotional purposes
- Retrospective production of a BIM model
- Supports remote and field BIM access

If you are interested in finding out more about our data capture solutions, please get in touch with our experts by calling 08450 990285.

## OUR TEAM



### **Congratulations to our Higher National Diploma (HND) Class of 2019 who all recently graduated at the beautiful Lincoln Cathedral.**

Joe Wild, George Kyme, David Scrafton, Sophie Harwood, Kyle Moss and Tom Peden (left to right) completed their HND in Construction and the Built Environment (Civil Engineering) through Lincoln College after joining Waldeck via various routes.

Becky Hicks, Talent Acquisition Partner at Waldeck shares: "The cohort have been the model for Continuous Professional Development within the company, demonstrating that with a lot of hard work it is possible to continue your education whilst working full time.

"We're proud to say that our students made up over 50% of the HND class, all achieving a Merit or a Distinction grade, for which we are very proud of them. The course has been funded and supported by Waldeck as part of our commitment to the



### **Did you know, that in the UK there are more food banks than McDonalds?**

As a nation, we don't expect anyone to be left hungry or destitute. But unfortunately, in the UK, more than 14 million people are living in poverty – including 4.5 million children. With Christmas being a particularly difficult time of year for the 1 in 5 people living below the poverty line, Waldeck recently chose to support the Trussell Trust by raising donations for food banks local to each of the Waldeck offices.

We placed a food bank donation box in our Bristol, Birmingham, Sheffield, Newark, Peterborough and Wellingore offices and asked employees to simply place food items in the boxes; whether this be food in their cupboards that wasn't going to get eaten, or by adding a few extra bits to their basket during weekly shops. It's fair to say that the teams went above and beyond, with some employees bringing in whole boxes full of tins, packets, bottles and toiletries.

## CLASS OF 2019 GRADUATE FROM LINCOLN COLLEGE

learning and development of our employees. Sophie, Kyle, George and Tom joined the business straight from school into Waldeck's in-house BIM Academy over five years ago."

The scheme encompassed a unique programme with a combination of tailored classroom training and live project work, ensuring the group received the right balance of academic knowledge and real-life experience in order to be successful in both their college work and careers.

### **WHAT'S NEXT?**

We are pleased to share that Joe and Tom are now furthering their academic development having recently enrolled on a BSc in Civil Engineering at Nottingham Trent University.

Sophie, George and Kyle continue to follow their chosen career paths, fully immersed in a range of exciting projects within the business.

## WALDECK TEAM SUPPORT LOCAL TRUSSELL TRUST FOOD BANKS

We would like to say a huge thank you to all our employees who made a contribution, no matter how small.

### **WHY THE TRUSSELL TRUST?**

We chose the Trussell Trust as they support more than 1,200 food bank centres in the UK to provide a minimum of three days' nutritionally-balanced emergency food and essential toiletries.

The people they help have been referred in crisis, and between April 2018 and March 2019, food banks in their network provided a record 1.6 million food supplies to these people, a 19% increase on the previous year.

It takes more than food to end hunger and that's why the Trussell Trust bring together the experiences of food banks in their network to challenge the structural economic issues that lock people in poverty, and campaign to end the need for food banks in the UK. To find out how you can help the Trussell Trust and those in need, please visit: [www.trusselltrust.org](http://www.trusselltrust.org)

## OUR TEAM

# MARTIN CHEUNG COMPLETES ANOTHER YEAR OF LECTURING AT THE UNIVERSITY OF DERBY

**Waldeck's BIM Manager and Associate Lecturer at the University of Derby, Martin Cheung, has completed his fifth year of lecturing at the university, following another successful 'BIM and Project Collaboration' module as part of their BIM Management MSc course.**

Rated one of the best BIM courses in the UK, the ten-week module sees Martin educating students from across businesses such as Kier, Costain and Capita on the UK BIM standards (PAS to ISO), industry leading platforms (such as Revit and Navisworks) and the wider BIM Management processes within construction projects.

Martin shares: "I have been delivering this module at the university for several years now, 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 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.

"I look forward to heading back to the university in 2020 to deliver another successful module!"

Dr Boris Ceranic, Head of Architecture and Design at the university, shared: "Martin's continual contribution to lectures, incorporating industry leading expertise and knowledge, and the collaboration between the University of Derby and Waldeck Consulting has been well received from our students year upon year."

Daniel Wallace, First Year MSc student, added: "Having an experienced lecturer from the industry means we can put theory into practice. Martin was extremely thorough and dedicated to helping others on all different levels of knowledge. Thank you."

Alongside lecturing, Martin, who is an Autodesk Certified Professional (ACP) also delivers other training sessions and workshops to businesses within the construction industry, including Revit, Navisworks and many other BIM enabling toolsets. To find out more about how Martin could help up skill your team, please get in touch with by calling 08450 990285.



# FORDHAM HOUSE SCHEME WINS NATIONAL AWARD



**Fordham House in Stratford-Upon-Avon, a project which Waldeck worked on with client Orbit Homes, has won a prestigious, national award.**

The Orbit scheme, situated on the corner of Birmingham Road and Clopton Road – which features 82 high-quality homes, picked up the ‘Best Build for Rent Development’ award at the Inside Housing Development Awards.

Waldeck were the Project Manager on the scheme, where work started on-site in 2016 and took two years to complete, with all apartments now fully let.

The development was brought to market through a partnership between Stratford Town Trust, Orbit, ABD Developments and Robothams Architects, with Deeley Construction as design and build contractors.

The awards ceremony, which is now in its third year, took place at the O2 in London and showcases the best in new housing development right across the UK.

Eleanor Deeley, Deputy Managing Director of the Deeley Group, said: “We are thrilled for

Orbit that Fordham House has won such a nationally recognised award.

“It is a great example of how partnership working can create a development that brings economic, social and regenerative benefits to a community.

“The Deeley Group played a major role in Fordham House over many years before Deeley Construction started work on-site and we are very proud to be part of this award-winning development.”

Graham Wright, Commercial Director at Waldeck added: “As framework partners to Orbit Homes, Waldeck are proud to have supported the team on this exemplar PRS scheme, working in partnership with Deeley Group. Waldeck’s Project Director Nick Suttle supported Orbit Homes on this project and did a fantastic job.”

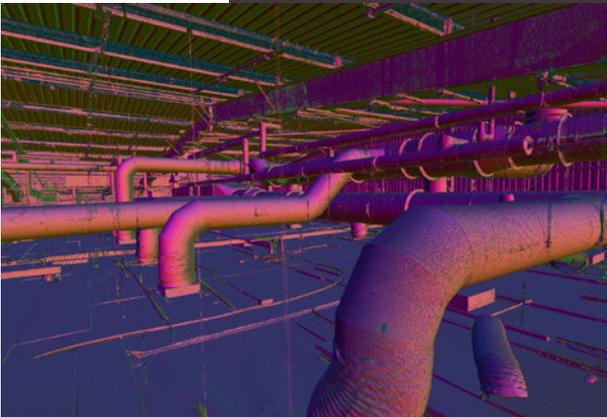
Fordham House, which picked up Residential Property of the Year at the Royal Institute of Chartered Surveyors (RICS) awards West Midlands earlier in 2019, is owned and managed by Orbit, with Stratford Town Trust continuing to retain the freehold.

CASE STUDY

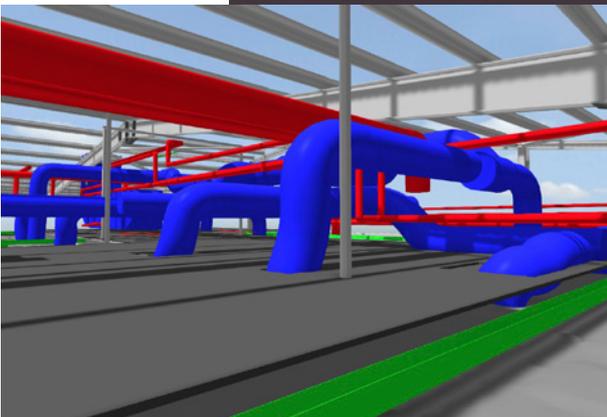
# COLD STORE INSPECTION

# GREENCORE GROUP

Point Cloud



3D Model



## PROJECT OVERVIEW

Waldeck were appointed by Greencore Group to design and engineer a new maintenance walkway within the roof of one of their manufacturing facilities.

The new walkway, which now sits within the roof above the busy cold store, enables maintenance operatives to access the plant space safely, through a complex network of pipes and ductwork.

## RESPONSE TO REQUIREMENTS

Before the design work began, we carried out a detailed inspection of the roof and plant space so that our team could fully understand the existing structure and services.

It was crucial to ensure our engineers had an accurate understanding of the space, especially on this project, due to the many changes to the roof space over the years as Greencore's business had evolved and developed.

An initial laser scan of the roof space was completed along with a full structural inspection to understand the condition and spatial limitations of such a complex environment. Our team then generated a point cloud from the laser scans, which was processed to create a 3D as-built model of the roof space.

Our engineers were then able to use the 3D model, along with their inspection findings to model a new maintenance walkway within the 3D environment, ensuring the design would work in the real world.

## ADDING VALUE

The ability of our engineers having access to the latest 'as-built' information for the roof space was crucial for this project, as it ensured the success of the design whilst also mitigating the need for multiple site visits and delays due to missing or incorrect information.

Undertaking a laser scan of the space not only enabled our engineers to quickly start working in an accurate 3D environment, but also provided the client with a 3D environment of their roof space to aid their planning of any future refurbishment works.



Ports need to be planning to create flexible space in their hinterlands, providing additional parking places to safeguard accessibility and mobility of cargo...



Project Image: Green Port Hull



PREPARING PORTS FOR

**BREXIT**

## INDUSTRY INSIGHT

The UK's port industry is now facing one of its greatest challenges in dealing with the fall-out from Brexit. As an island nation with 95% of our trade in goods being handled by our ports, the impact of additional processing and checks at our borders from a hard Brexit threatens to send a ripple effect across UK business.

While the detailed implications of Brexit are as yet unknown, the potential impacts of delay disruption will be compounded by the 38% forecast growth in port-freight traffic by 2030 (UK Port Freight Traffic 2019 Forecast by DfT).

For example, traffic modelling undertaken by the Port of Dover has suggested that as little as 2 minutes added to the processing time at check-in could cause queues of up to 17 miles based on projected traffic volumes, reminiscent of 'Operation Stack' which saw the M20 used as a lorry park in 2015.

### **We take a look at how Ports can be prepared for Brexit:**

#### **BREXIT STRATEGIES**

Ports in the UK and Europe are working hard to implement digital platforms which will allow freight forwarders to pre-register their cargo to speed up the customs process, but less than one third of UK export business are currently registered to make customs declarations and take advantage of these systems.

With no unilateral understanding or approach to the situation, companies are implementing their own Brexit strategies and across the manufacturing and logistics sectors, we are seeing an increased requirement for storage space to buffer the potential impacts of Brexit on the flow of stock, with many of our customer's warehouses and container yards filled to capacity.

With all this in mind, ports need to be planning to create flexible space in their hinterlands, providing additional parking places to safeguard accessibility and mobility of cargo, and preparing to offer more warehousing

and storage space for containers and landed cargoes. Furthermore, the opportunities for modal shift from road to rail to ease pressure on road networks, underpinned by the Government's Rail Freight Transport Strategy and increasingly supported by the freight forwarders, need to be explored.

#### **OPPORTUNITIES FROM BREXIT**

For ports in Lincolnshire and the Humber, Brexit offers a real opportunity for diversification and growth. With access to deep water, a central location in the country and abundant space for development, our ports provide tangible alternatives to Dover for freight and passenger traffic alike.

International Trade Secretary, Liz Truss has also set up a panel of advisors to investigate the establishment of Freeports in preparation for a post-Brexit UK which is outside the EU customs union.

Freeports are tariff-free zones which would exploit the UK's impending independence from the European Union, enabling UK manufacturers to import components for goods destined for export without having to pay UK tax on them. Lincolnshire and the Humber have been mooted as test-beds for Freeports, which could see the development of enterprise parks for logistics and manufacturing, on and around the existing ports.

#### **HOW WALDECK CAN HELP**

Technology-enabled engineering consultancy, Waldeck have experience working with high profile clients on their operations across the UK.

We provide survey, design and asset management advice to all sectors but primarily to logistics, industrial and manufacturing clients, and we are increasingly supporting our customers in exploring options to re-purpose and expand their existing estate assets. Our rail sector experience is also providing our clients a multi-modal view on their operations, ensuring that intermodal interfaces are considered in their plans.

## Examples of our projects

### **Green Port Hull**

Waldeck were appointed by Associated British Ports to provide Commercial and Risk Management solutions for Green Port Hull.

Waldeck's involvement in the project which comprised marine piling for a new quay wall, three new berths and a 60 metre jetty, 54 hectares of heavy duty pavement, new utility supplies, listed building refurbishment and the £multi-million relocation of existing tenants to new premises, included significant 3rd party stakeholder management and the delivery of critical infrastructure services such as:

- Construction Management
- Cost Management
- Dispute Mitigation
- Health and Safety Services
- Programming
- Project Management
- Risk Management

### **West Midlands Interchange**

Waldeck were appointed on the West Midlands Interchange Strategic Rail Freight Interchange (SRFI) on the west of Junction 12 of the M6 in southern Staffordshire. We were appointed by Kilbride Group to provide Civil and Structural Engineering and Mechanical and Electrical Building Services Design on the project.

When built, the West Midlands Interchange will provide around 800,000 square metres (sq m) of new rail-served warehousing and room for the region's important logistics industry to grow.

Waldeck are delivering services on the live project to include:

- Civil and Structural Engineering
- Earthworks Analysis
- Earthworks and Drainage Strategy
- Geotechnical Investigation
- Mechanical and Electrical Building Services Design
- Sustainability

# MORSON PROJECTS TURNS 40

On 26th October 2019, Morson Projects turned 40 years old - this was celebrated with a Management Conference and a 1979 themed party.

The Management Conference took place at Three Little Words in Manchester. Morson Projects and Waldeck Directors and Managers enjoyed a day of presentations highlighting our successes throughout the last year, a 2-course meal and a 1979 themed quiz. Three Little Words is owned by the people behind Manchester Gin, so our Directors and Managers enjoyed a gin tasting experience too.

As this was a special occasion, Morson Projects continued the celebrations with a 1979 themed party in the evening at fivefourstudios, a photo studio on the outskirts of Manchester. Our employees went all out with the 1970s fancy dress, fitting in with the 1970s themed buffet.

Thank you to everyone for the last 40 years, we hope the next 40 years are just as successful!



## MORSON PROJECTS

# INFRASTRUCTURE & TRANSPORTATION CAPABILITY



**Morson Projects cover the transportation facility lifecycle, from planning and environmental studies to preliminary and final design, construction administration, operations and rehabilitation.**

In addition to Waldeck's Infrastructure and Transportation services, we are now able to offer clients an extended offering through our sister company, Morson Projects.

From railway infrastructure to control and signaling systems, Morson Projects improve the supervision, control and safe operation of transport networks. They assess the condition and life expectancy of high value capital assets of land-based transportation systems and also support the aerospace industry with the production of tools and testing systems needed to build the latest aircraft and engine systems.

Complementing Waldeck's multi-disciplinary consultancy offering, Morson Projects cover the transportation facility lifecycle, from planning and environmental studies to preliminary and final design, construction administration, operations and rehabilitation. Morson Projects works closely with their clients to ensure that every project delivers results that improve safety, respect the environment and save money.

The main services Morson Projects provides within the infrastructure and transportation industry include:

- Asset Care and Technical Documentation
- Control, Electrical and Instrumental
- eMaster Lighting Control
- Industrial Communication and Networking
- Industrial Cyber Security
- Installation and Commissioning
- Panel Build
- Primary and Secondary Engineering
- Project and Programme Management
- SCADA PLC Control Systems
- Specialist Tunnel and Highway Systems
- Software Development
- Systems Engineering and Integration
- Test and Build Software Toolkit
- Tooling Design and Manufacture
- UAV Aerial Drone Survey
- Virtual Engineering

To find out more about Morson Projects please visit [www.morson-projects.co.uk](http://www.morson-projects.co.uk)

MORSON PROJECTS



# GET IN TOUCH

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**Waldeck**

