

Winter 2020

# 71° /



Alan Wood & Partners  
Newsletter

## Inside This Issue

Lagoon Hull

Croydon Waterworks Yard

Interview with Andy Pell



Hull . Leeds . Lincoln . London . Scarborough . Sheffield . York

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

# Welcome to 71°/

Welcome to 71°/ Winter edition. In this issue we showcase our project spotlights and upcoming events that Alan Wood and Partners will be attending.

By now I bet you are wondering why our newsletter is called 71°/, this is because it is the angle of our dash on our mission statement: Engineer/, Manage/, Deliver/. The name was created of by one of our Colleagues some time ago, winning a competition to suggest the best name.

We hope you are hanging in there through the winter months, we are fastly approaching the 29th March, when the clocks go forward and the nights become lighter.

Quote of the season:

“What good is the warmth of summer, without the cold of winter to give it sweetness”

- John Steinbeck -

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# New Starters

**Wishing you all a warm welcome  
to Alan Wood & Partners**

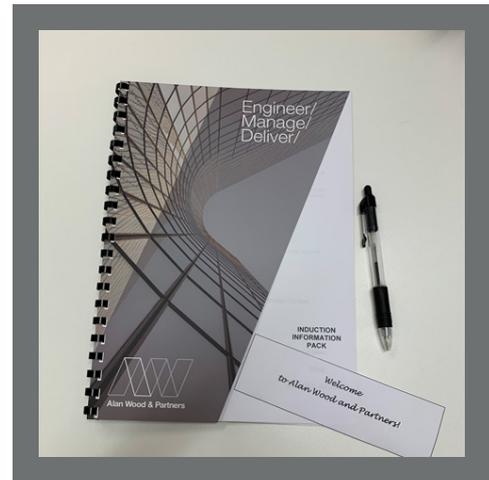
Dave Scrafton  
Lincoln Office  
Senior Revit Technician

Howard Long  
Scarborough Office  
Assistant Building Surveyor

Joe Hudson  
Leeds Office  
Senior Civil Engineer

George Cooper  
Hull Office  
Trainee Building Surveyor

Thalis Vakalopoulos  
York Office  
Infrastructure Engineer



**Please note, the following staff have moved offices:**

Ed Houlton  
New Base: Lincoln Office

**Leeds Office has grown and moved next door to:**  
Suite 72 Brabazon House  
Turnberry Park  
Morley  
Leeds  
LS27 7LE

# Get Involved

## Events



James Gibson meeting  
Eddie Jones at  
Hull RUFC Sportsman's Dinner

17th January  
Hull RFUC Sportsman's Dinner

6th February  
Great Lincoln Property Awards  
Dinner

25th February  
A Night at the Dogs hosted by  
Harris CM at Owlerton Stadium,  
Sheffield

27th February  
Sheffield Chamber of Commerce  
Property Forum

10th March  
FBE Breakfast Seminar with the  
Bank of England

19th April  
Hull 10K Run

Third Thursday Club Leeds  
Monthly

The last Friday club Sheffield  
Monthly

Staff:  
for updates on events please  
check your emails and Staff  
dashboard

# Our People

## Hull 10K Run

19th April 2020



At Alan Wood & Partners, we have rounded up a team to run the Hull 10k in support of YMCA Humber. This is the charity we are working with to develop their new building in Grimsby, undertaking the Civil and Structural design. The YMCA supports young adults with; education, employment and training, health, substance and financial problems.

If you would like to help us support the YMCA, please click on the link below to sponsor us.

[Click Here To Donate](#)

## Dress Down Fridays



Our York Office have been doing their bit by having a casual Friday to raise money for Birmingham Childrens Hospital. They have been casually collecting their donations thought the year, raising £240. The York office will be doing the same again this year for their charity of the year.

# Project Spotlight

## Project: Lagoon Hull

**Project:** Lagoon Hull

**Client:** Lagoon Hull

**Date:** 2019

**Contract value:**

Voluntary work

**Alan Wood & Partners Role :**

Supporting Project Lead



### **Project Description:**

A transformational infrastructure project which will change our region's future, Lagoon Hull is a development on a scale not seen in the area since the Humber Bridge. It will include an 11km southern relief road built on the Humber Estuary, providing a route for through traffic between Hessle and Hedon Road, protection from tidal surge flooding, expansion of the port, placemaking of the city and will help drive the economic growth of the region.

### **Engineering and Design Factors:**

The engineering design factors behind the lagoon include studying the geomorphology of the estuary and hydraulic modelling of the water flow to evaluate the protection of the city and wider estuary from tidal flooding, and how the changing flows affect the navigational, sedimentation and habitat elements of the estuary within an Internationally designated area for nature conservation. The work also looks at the development of a traffic relief road to divert through traffic, ease congestion and improve air quality on the main roads of hull, and improve connectivity to the port and east of the city. Another design factor is to incorporate the region's vision to become net carbon zero and transform the Energy Estuary into one based on renewables. The lagoon and outer harbour are being developed to benefit the next generation of people living on the Humber and help address the environmental implications of sea levels rising over the next century.

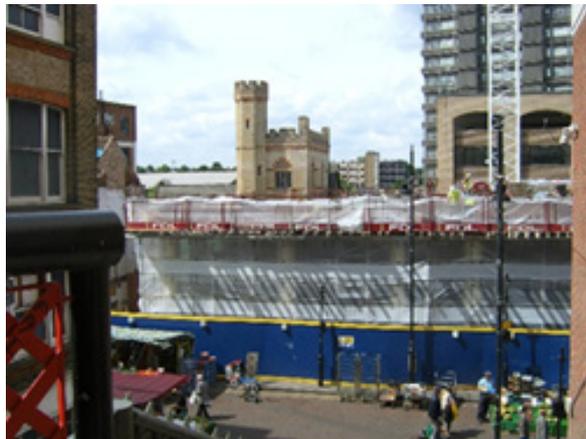
### **Description of the Works:**

Alan Wood and Partners believe in delivering back to the community and supporting a project that benefits future generations and creates a better living space for all. This project is carried out voluntarily with no monetary gain to the business. The role of Alan Wood and Partners within this project is to manage the concept design, strategy, technical development, planning and consultation of the overall project.

# Project Spotlight

Croydon Waterworks Yard

**Project:** Croydon Waterworks Yard,  
**Client:** Caledonian Building Systems  
**Architect:** AWW Architects  
**Contract value:** £6M  
**Alan Wood & Partners Role:**  
Civil & Structural Engineers



## Project Description:

A mixed-use development of circa 7,400m<sup>2</sup> in the centre of Croydon, comprising 75No. mixed tenure one and two-bedroom apartments (social rented, private rented, shared ownership and private sale), and circa 1,400m<sup>2</sup> of ground floor and mezzanine commercial and amenity space. The 5-7 storey development was constructed on a tight 'L' shaped site, with elevations fronting the busy Surrey Street Market and Matthews Yard, a public open space with a heritage pumphouse. The development site was further constrained by the adjacent NCP car park.

## Engineering and Design Factors:

Building modules were assembled off-site and delivered at night. Modular stair and lift shafts were pre-assembled and installed through the concrete podium to level -1 providing access to the modular component. A 500T mobile crane was used to lift and place modules, giving access to upper floors. The number of modules was optimised with one-bedroom apartments contained in a single module, with an external walkway for access. The modular component of the building was completed in 35 weeks at a cost of £6.0m (circa £970/m<sup>2</sup>).

To address the Clients' aspiration for EcoHomes Very Good Standard, a range of measures were employed. These included 33% improvement on U-values above Building Regulation requirement, 650m<sup>2</sup> of green roof and 60m<sup>2</sup> of brown roof, Green Guide A&B ratings for modular elements and low ozone depleting materials within modules. The building achieved a BREEAM rating of Very Good.

## Description of the Works:

Alan Wood & Partners provided the full modular concept and superstructure design from transfer structures upwards.

# Get To Know A Colleague

## What was your first job?

Trainee Estate Agent

## If you were not in your current profession, what job would you do?

I'd be a retired basketball player

## Best place you have ever visited and why?

The Basilica de la Sagrada Famillia. Its sheer size and form are a sight to behold, set within the bustling city centre. Yet when you get inside the serenity and light shining through the windows is a spectacle. Looking at the displays of scale models on how the building was conceived and built were just as good

## Something people don't know about you?

I represented Lincolnshire at canoe slalom

## If you could have dinner with anyone alive or dead who would it be and why?

The American actor Steve McQueen as I grew up watching his films and he was such an enigma

## What is the best part about your job?

I enjoy seeing the final delivery of the project or building especially when I'm involved from the very start, knowing that all the hard work has left something that I can be proud to have said I have been involved in

## Greatest achievement?

Aside from personal/family achievements I suppose from a professional point of view it is becoming a Chartered Surveyor with the RICS

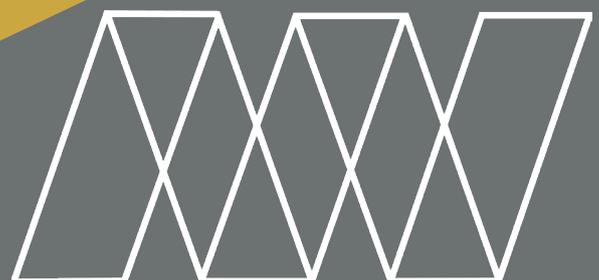
## Any foibles?

Getting that work/lifestyle balance sorted out



**Andy Pell MRICS,  
Associate**

**Next Issue:  
The Spring issue**



**Alan Wood & Partners**