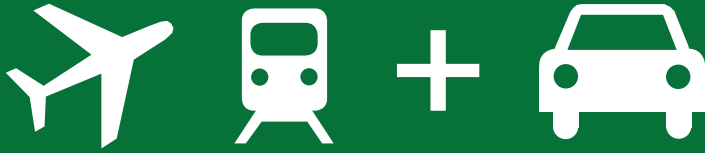


# CIC YORKSHIRE + HUMBER CONFERENCE 2015

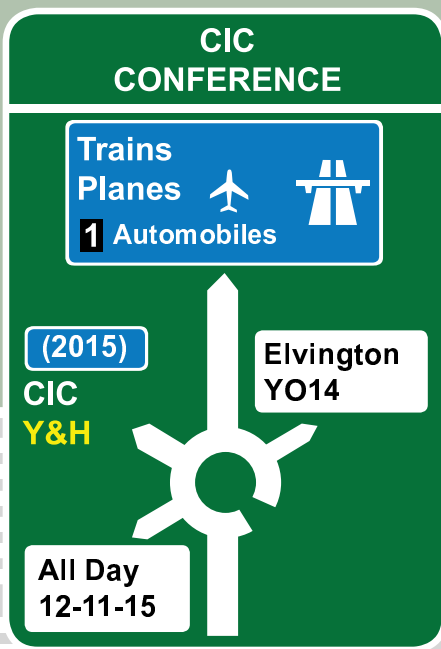


Is this the future  
of infrastructure in  
Yorkshire?



Thursday 12th  
November 2015  
Elvington Air Museum, York  
Free entry to the Museum!





## Planes, Trains and Automobiles? Is this the Future of Infrastructure in Yorkshire and the Humber?

Hello, and welcome to the Construction Industry Council Yorkshire and Humber's fifth annual conference. Over the years we have covered a wide range of topics, reflecting the diversity of the industry. This year, you will have noticed that the Northern Powerhouse is everywhere. It even has its own Minister, seeking to address the North-South divide which is as strong as ever in our post-recession construction economy. However, the government's focus appears to be rather Manchester-centric, which is all well and good, but many do believe that what is great for Manchester is not necessarily the right thing for Yorkshire and the Humber.

The thing is, Northern cities are disparate. It's all very well encouraging the cities of Leeds and Manchester to band together and collaborate, but have you ever been on the Transpennine Express at 5.30? It's all very well encouraging businesses to invest across the region when high speed broadband is still a dream for far too many.

We can all agree that whilst London attracts 4 times as much spending on infrastructure, but the North cannot attract the investment it needs when there is a lack of serious infrastructure spending in the region. And many believe that HS2 is not the answer. There are just too many questions.

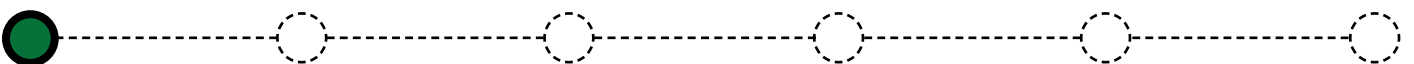
But it finally feels like Westminster is starting to listen and has announced at least £6.4 billion of transport investment in Yorkshire and North Lincolnshire. However, how joined up is this investment? You can make it to Leeds Station, but trying to get to Leeds Bradford Airport is an adventure in itself. Connectivity through infrastructure is critical to the growth and strength of the large geographical area covered by the Yorkshire and Humber Region. But how do we ensure appropriate development as well as sustainable green transport options? And has there been enough joined up thinking on integrated transport plans, public transport, effective utilisation of airports and clear consideration in respect of region to region connectivity

Additionally, what about the ghosts of infrastructure past? Our roads follow the routes of drovers paths, airports are former RAF bases and railways rattle on Victorian routes. But is it more sustainable to start again, replace them or just give up altogether? The impact infrastructure has on the environment, is huge. What are the environmental costs of decommissioning past endeavours and the implications in the future?

The purpose of today is to explore these questions. We may not necessarily come out with any answers but we can have a greater understanding of what infrastructure is and what its impact is on the region. And back by popular demand, we have the Barnsley Bard, Ian Mcmillan, taking a poetic look at the range of issues we hope to cover.

**Stefanie K Stead**

Chair of the Construction Industry Council Yorkshire and Humber



# The Construction Industry Council

The Construction Industry Council (CIC) is the representative forum for the professional bodies, research organisations and specialist business associations in the construction industry.

Established in 1988 with just five founder members, CIC now occupies a key role within the UK construction industry providing a single voice for professionals in all sectors of the built environment through its collective membership of 500,000 individual professionals and more than 25,000 firms of construction consultants.

The breadth and depth of its membership means that CIC is the only single body able to speak with authority on the diverse issues connected with construction without being constrained by the self-interest of any particular sector of the industry.

For further information please see [www.cic.org.uk](http://www.cic.org.uk)

## Members of the CIC



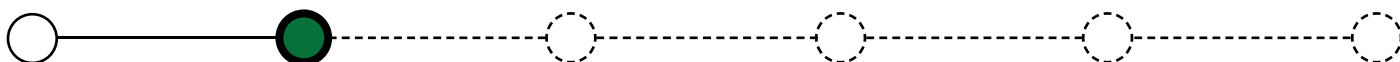
## Design Quality Indicator (DQI)

DQI is a process that enables every aspect of design quality to be assessed at each stage of the construction process, from inception to post occupancy analysis. DQI empowers stakeholders to be actively involved, through structured workshops and online tools, with construction and design professionals, to set targets against which to review design quality. The workshops are professionally mediated by an accredited DQI Facilitator.

DQI focuses the design and construction team on the needs of the end user as it;

- Creates a sense of ownership by engaging users throughout the process;
- Enables feedback and learning for future projects;
- Generates a simple graphic profile that indicates the strengths and weaknesses of a design or existing building;
- Provides an agenda for briefing and design reviews;
- Provides benchmarking information in the form of Facilitator's Reports;
- And it helps to develop a more sustainable building.

DQI has been used on hundreds of projects since it was launched in 2002. It can also contribute to your buildings BREEAM rating. For more information visit [www.dqi.org.uk](http://www.dqi.org.uk)



# Itinerary



0830 AM GMT

## REGISTRATION + BREAKFAST



0900 AM GMT

## COMPERE

*Ian McMillan is a Yorkshire poet, journalist, playwright, and broadcaster. He is known for his strong and distinctive Barnsley-area accent and his characteristic manner of speech. He is the poet in residence for The Academy of Urbanism and Barnsley FC, and has held numerous other roles across the county.*



0930 AM GMT

## DOES YORKSHIRE NEED CONNECTING?

Connectivity through infrastructure is critical to the growth and strength of the large geographical area covered by the Yorkshire and Humber Region. The return on investment in infrastructure is widely accepted to be £2.84 for every £1 spent, and can stimulate growth to the economy elsewhere worth an additional £1.84. Each area within Yorkshire and Humber has its own needs and must realise the opportunities available to become economically strong. But how do we ensure appropriate development in our rail, road, airports and bus transport, as well as sustainable green transport options (including cycling and pedestrian routes)? But has there been enough joined up thinking on integrated transport plans, public transport, effective utilisation of airports and clear consideration as to how region to region connectivity can be improved?

*Dr. Rachael Unsworth is an urban geographer with experience of both commercial and academic research. She read geography at Cambridge and then held a research studentship in the Department of Land Economy. After completing her PhD, she spent several years in property research working for Cluttons in London. During that time she helped to set up and run the Society of Property Researchers.*

*A part-time lecturer at the University of Leeds from 1994-2013, Rachael taught and researched a range of topics on sustainable development, urban regeneration, planning and natural resources. Her overarching interest is in the evolution of cities in the long term. Now 'a geographer at large', she is engaged in freelance consultancy and writing, aiming to integrate thinking about global, national and regional trends into local development and planning for a sustainable future.*



1015 AM GMT

## TEA + NETWORKING

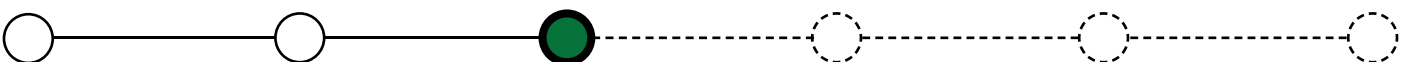


1030 AM GMT

## TALENT INFRASTRUCTURE

Although we can all agree that investment in the region's infrastructure is a good thing, does the lack of investment in employability and skills mean that this investment may struggle to be delivered. It is predicted that across the UK, this investment will mean that there will be the need to recruit almost 100,000 additional workers across the board, and they will need to be equipped with a range of skills. It has been argued that a lack of investment in training coupled with incoherent training programmes limits the effectiveness and efficiency of the workforce. However, as a region, how can we respond to this, and create a skilled workforce fit to meet the challenges of the building the future?

*Rob Wolfe is the Executive Director of Renew. He has worked in physical and social regeneration for 15 years; working in prisons, charities and for local government in client facing, developmental and strategic roles. Partnership working, leadership and social benefit are at the heart of his experience and expertise: ensuring projects and people achieve the combined objectives of the private, public and third sectors, while benefiting the communities they serve. His goal is not to be needed.*





1115 AM GMT

## INTELLIGENT CONSTRUCTION: THE INTERNET OF THINGS

Although the internet of things, artificial intelligence and the collaborative economy sound like fringe ideas, the fact that the Chancellor has allocated £40million to the idea reinforces the fact that this is very much the future. But how does this new infrastructure affect the construction industry and the communities we build? How does this affect our homes, our carbon footprint and our future workforce?

*Sakthy Selvakumaran is a civil-structural engineer working on innovative products and solutions in construction for the Engineering Excellence Group of Laing O'Rourke. Named one of the Top 30 Under the Age of 30 in manufacturing as part of the "Make it in Great Britain" campaign, Sakthy has worked as a civil/structural engineer in fields from sustainability consultancy to structural design of infrastructure. She has lived and worked internationally in the UK, Canada, Peru and Spain, and is currently providing a voice for trends and issues in engineering as a guest blogger for the Huffington Post. She has recently started a PhD with the Centre for Smart Infrastructure and Construction within the Cambridge University Engineering Department.*



1200 PM GMT

## LUNCH



1300 PM GMT

## THE ENVIRONMENTAL IMPACT

There is a clear demand for greater investment in new infrastructure in order to replace ageing infrastructure and support new ways of working and living. There is a direct correlation between efficient infrastructure and economic development, whether we are considering roads, railways, power stations, wind farms, waterworks, heating systems, flood barriers or hospitals. However the impact on the environment is considerable. What are the environmental costs of decommissioning past infrastructure and what are the implications of the new?

*Dr Phil Studd is based at the Ramboll UK Leeds office, where he is the director responsible for environmental consultancy. He has worked for 15 years as a scientist and consultant to industry, particularly with regard to contamination and associated risk and remediation issues. He is experienced in managing environmental liability on behalf of clients and of demonstrating due diligence in anticipation of developing legislation.*

*Phil's scientific abilities are complemented by his skill as a communicator. He often acts as the interface between client and legislator to broker compliant and economically viable solutions. At Leeds University, Phil is guest lecturer in both the Civil Engineering and Earth Sciences departments. He also contributes frequently to professional journals and magazines.*



1345 PM GMT

## TEA + NETWORKING



1400 PM GMT

## THE HUMBER: THE REBIRTH OF 'OLD' INFRASTRUCTURE

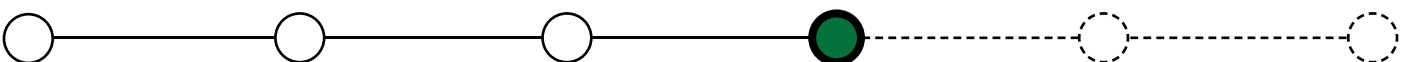
Since the 12th century, the Humber owes its existence to its port and its prominent position. First exporting wool, the ports expanded in response to Yorkshire's industrial revolution. And when this river was not exporting Yorkshires goods, it was feeding the nation from the North Sea. However automation of shipping and the Cod Wars led to its decline in the 1970s. However, this 'old' infrastructure is having a rebirth, as the centre for green industries, energy imports and a key gateway to Europe. Can such a rebirth be a lesson to other post-industrial cities?

*Stephen Taylor is Director and Co-founder of Port Centric Logistics Partners Ltd and owner of UK Ports and Logistics Limited. He has over 35 years' experience of international trade, business development and logistics management. He has worked in global manufacturing companies in several industry sectors and in public/private partnership to support economic development around the Humber Ports.*

*PCLP provides business advisory services to port owners, terminal operators, investors and stakeholders engaged in ports and logistics industries. PCLP provide commercial and operational expertise on ports and logistics assignments, including due diligence for financial transactions, market assessments, capacity analysis and port benchmarking. In addition to project assignments in the UK, PCLP has also completed work for ports internationally.*



1530 PM GMT



# Conference Sponsors



CIVIL AND STRUCTURAL  
CONSULTING ENGINEERS

**Adept is a dynamic company that puts a genuine emphasis on the service it gives to clients. They are committed to providing innovative and cost effective solutions to construction issues and strive to work in harmony with other members of the construction team.**

Adept always seek to utilise the latest technology has to offer to provide the most efficient designs. Testament to this, we will shortly receive BRE Global BIM Level 2 Business Systems Certification Scheme – only the 4th UK business to gain this accreditation to date.



**Britcon is a leading building, civil engineering and structural steelwork contractor based within Scunthorpe, UK. Founded in 1990, Britcon remains family owned and run, combining traditional values with modern management and construction techniques.**

Britcon have kindly provided sponsorship for students from York College to attend today's event.



**The Civil Engineering Contractors Association is the representative body for companies who work day-to-day to deliver, upgrade, and maintain the country's infrastructure.**

With more than 300 members split across eight regions, CECA represents firms who together carry out an estimated 70-80 per cent of all civil engineering activity in the UK, in the key sectors of transport, energy, communications, waste and water.



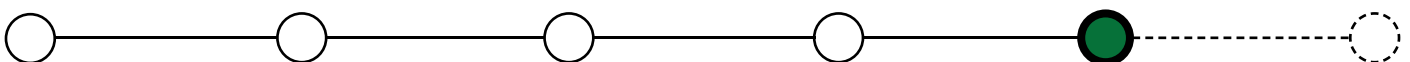
CONSTRUCTION  
INFRASTRUCTURE

**Morgan Sindall is a UK Construction, infrastructure and design business with a network of local offices operating across the commercial, defence, education, energy, healthcare, industrial, leisure, retail, transport and water markets.**

Activities range from small works and repair and maintenance, to the design and delivery of complex construction and engineering projects, providing specialist design, tunnelling, utilities, building, civil engineering and mechanical and electrical services.



[www.44b.eu](http://www.44b.eu)  
[gls@44b.eu](mailto:gls@44b.eu)





Batty France's specialist knowledge and experience has adapted to meet constantly evolving market requirements but always remained focused on their ultimate goal – the delivery of construction projects adhering to the cost and time constraints agreed with their Clients and fellow design team colleagues.

# Pearce Bottomley *architects*

**Pearce Bottomley Architects** are a multi-award winning, RIBA Chartered architectural practice creating a sense of place for people.

At the heart of all our work are people; school children and staff, medical staff and their patients, congregations, and the people who live in the homes we build.

By promoting a close working relationship with our clients and the end-users of our designs, our delivery of projects and post-completion stages of the architecture strives to be relevant, meaningful and long term.



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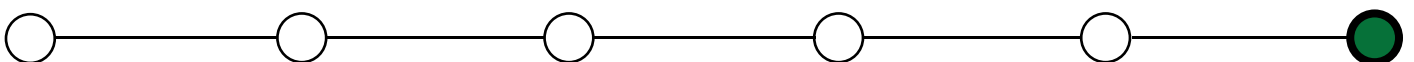


**PWC were established in 2009 and have offices across the UK. They are a small business providing a big service, due to the companies network of enthusiastic and like-minded individuals.**

PWC's qualified Surveyors have a wide range of project profile experience from small domestic extensions to large commercial building schemes, for big brand names including Aldi, Audi, Nestle, Terrys Chocolate Factory and B&Q.

PWC aims to support and guide clients through the Building Regulation Approval process to ensure successful completion, whilst still allowing innovative design. By providing a single point of contact for the client and professionals involved in the project, this working partnership ensures the budget and time constraint's are met.

**si@pwc.uk.net**



# Upcoming CIC Y+H Events

Following on from our successful first talk from Genus Law, please join us for a second health leadership briefing. Further details to be confirmed.

To book email [enquiries@cic.org.uk](mailto:enquiries@cic.org.uk)

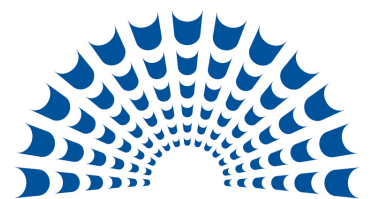
## Health Leadership Briefing #2:

# Mental Health + The Construction Industry



Thursday 28th January 2016  
6-8pm

CECA Offices  
Unit 6, Howley Park Business Village  
Morley, Leeds, LS27 0BZ



Construction Industry Council  
Yorkshire & Humber

**GENUS** LAW