CDB Consulting Engineers Ltd



Issue 05



HS2 Euston works to restart next week

HS2 has said contractors will restart construction work at the London Euston site in a week's time.

HS2 paused work on all but the Midlands sites following the lockdown and has been reviewing working practices to allow the restart.

Work will start on the deconstruction of the west ramp and the removal of the canopy from platform 17 and 18 ahead of a crane being brought in a week later to remove materials.

Inside this issue:

Private Clients urged not to come after contractors	2
CDB Ltd Act as Expert Witness	2
The HVAC system	3
APHC Report	3
Mobile Mast Conspiracy Theory	4
CDB LTD 9 year Report	5



Scottish building sites ordered to close unless on essential list

Essential projects include:

Those to create or repurpose facilities which will be used directly in Covid-19 related activities projects to create or repurpose facilities which will be used to accommodate key workers, or free up space in facilities to be used directly in Covid-19 related activities projects which are considered essential public services the repair and maintenance of critical infrastructure

The latest guidance also states that any project deemed essential can only continue operating if it can comply with guidance on social distancing, safety and welfare.

Economy Secretary Fiona Hyslop said:

"We recognise that this is an extremely difficult time for businesses of all kinds, but the Scottish Government's priority is saving lives and fighting Covid-19.To this end, all construction sites should close unless they are essential to the health and welfare of the country during this crisis. I want to make clear our thanks to the construction workers who are continuing to work on these essential projects.

This guidance offers clear and comprehensive advice on how the industry should respond in these unprecedented and difficult times. I am grateful to the STUC, Unite the Union and Construction Scotland for their input.





Private clients urged not to come after contractors

Public sector clients are being ordered by central government to pay the supply chain even where work is suspended.

But the situation is very different in the private sector where contractors fear liquidated damages claims from clients following any site delays.

Build UK said:

"The response from clients and contractors will be key to the survival of businesses of all sizes.

"There is a choice: fall back on contracts, pay for costly legal advice, and prepare for adversarial disputes or bring the supply

chain together, and collectively look at how construction work can continue without putting workers at risk."

One contractor said: "A lot is riding on how private clients behave once all this is over.

"If they come after us for damages then a lot of firms will go under and the only people who will profit are the lawyers.

"We are doing all we can to keep sites going safely in line with government guidelines.

"But that is not always possible and when it is productivity will naturally be down due to lower numbers of site workers and the ongoing materials supply problems.

"Everyone needs to work together on this. The worst thing the industry could do is turn on each other – we need to work together sensibly from clients downwards to get through this."



NHS and frontline staff WE SUPPORT YOU Remember to " Take a break—" Good to have a sit back and Think have a coffee—during the day.

Institute of Domestic Heating & Environmental Engineers P O Box 329, Southampton, SO40 0BT, U.K.

Tel: +44 [0] 23 80 66 89 00 Fax: +44 [0] 23 80 66 08 88

Email: admin@idhee.org.uk

CDB CONSULTING ENGINEERS ACT AS EXPERT WITNESS for The Domestic Installations Registered by The IDHEE as Expert Witness—Office of Fair Trading



HVAC - Heating, ventilation, and air conditioning (HVAC) is one of the most energy-intensive systems in commercial and residential buildings. Air ducts are conduits or passages used in HVAC to distribute and ventilate air. Supply air, return air, and exhaust air are the needed airflows in an HVAC system that flow through HVAC air ducts. Ducts commonly also deliver ventilation air along with the supply air. As such, air ducts are one method of ensuring acceptable IAQ as well as thermal comfort.



Let us help you - with new idea's / new designs /new innovations in M&E engineering -Proposed New Build & developments.

We help Architects, developers, main contractors, with the M&E designs. We cooperate with you to get the M&E designs completed on time and within budget.

If you need a 15 minute brainstorming /development of idea's,. build your M&E Strategy please call to arrange that meeting

NO PITCHING for your business NO Offers Just 100% Value Engineering.

Please call 0845 074 0763 and/or email your layouts & details @~ cad. Drawings@cdbconsulting.co.uk



Association Of Plumbing & Heating Contractors Limited The Association of Plumbing & Heating Contractors (APHC) believes there could potentially be an additional serious public health concern surrounding legionella once the current COVID-19 trading restrictions are removed.

The Chief Executive of the APHC, John Thompson, explained: "With restaurants, pubs, sports facilities, bed & breakfasts, hotels, hairdressers and many other leisure establishments being

closed for nearly four weeks now, we feel there is an urgent need to raise awareness of the potential spread of Legionnaires' disease once these establishments re-open as action needs to be taken now to stop a possible outbreak."

Legionnaires' disease is a severe type of pneumonia caused by the legionella bacterium. This

disease can be serious if not treated immediately. Most people catch Legionnaires' disease by

inhaling the bacteria from water droplets dispersed through taps and showers.

The current lockdown means that the plumbing systems of the aforementioned establishments

aren't being used. If these redundant systems are not being correctly maintained, which APHC believes could be the case for many establishments, they can relatively quickly become the ideal environment for legionella bacteria to grow, as legionella bacteria multiplies in stagnant water, poorly designed water systems and in water with temperatures between 20oC and 45oC.

Although Legionnaires' disease can be fatal, it is also treatable. However, to complicate matters, the symptoms of Legionnaires' disease are similar to the symptoms associated with COVID-19 - high temperature, feverishness and chills, coughing, muscle pains, headache and diarrhoea with the potential to lead to pneumonia.

John added: "Landlords and employers have a legal duty to assess and control the risk of exposure to Legionella bacteria. Risk assessments, precautionary actions and remedial work can be implemented to protect against Legionnaires' disease. However, we believe the vast majority of landlords and employers are unaware of their legal duty and of the actions that need to be taken. "These are unprecedented times and never have so many buildings been

"These are unprecedented times and never have so many buildings been closed for so long.

These comments by John Thomson, Chief Executive of the AHPC should not be taken lightly

Mobile mast for NHS Nightingale hospital attacked by Covid-19 conspiracists

The Covid-19 pandemic has brought the issue of fake news, conspiracy theories and bad health information back onto the national agenda and governments are at last forcing tech giants to take some immediate and urgent action over posts on their social media platforms that could cost lives.

Much of the fake news these days originates from, or is boosted by, covert operations by antagonistic nation-states - as an investigation to be published here on the E&T website next week will show. Before the pandemic, 5G provided the subject matter for conspiracy theories and absurd health scares of various kinds. As Covid-19 spread, the pandemic itself took over as the prime subject for fake news, from MMR-like fake health scares to the wildest of conspiracy theories about biowarfare.

It's not surprising that the two have combined into one with the fake story that 5G is somehow weakening people's immune systems' ability to fight Covid-19. It seems that one didn't come from organised crime or national state actors, though, but rather from David Icke, who some readers may remember in connection with conspiracy theories even wilder than this one.

Back then he was ridiculed, which I felt to be a little unfair on a person who was clearly not thinking straight at all - more mad than bad, in the old manner of speaking. Then it crept into more 'mainstream media' through a TV presenter. E&T obviously doesn't report on every crazy conspiracy theory or false health claim about technology, but we did feel this one could not be ignored, for reasons ranging from vigilante damage and violence directed at 5G masts and associated telecoms engineers to its potential to harm the treatment of those most vulnerable to coronavirus via the spread of false information.

I sometimes think it's wisest to refrain from feeding the trolls, but the green ink brigade (as we used to call them in the days of handwritten letters) are not always so easily ignored when their views are amplified by social media.

This was reported by Tim Fryer, technology editor of E & T

Finally in this issue of our Newsletter we would like to remind everyone

Stay at home if possible

Keep in touch with each other

Stay safe

Keep fighting the fight to get through this strange time



CDB CONSULTING ENGINEERS LIMITED

Mechanical, Electrical & Piping & Plumbing Engineers

M & E Project Management www.cdbconsulting.co.uk



Manchester, Admin. Office, England. Tel: - 0161 871 7403

Dumfries & Galloway, Design Office, Scotland

4th Floor 59 Piccadilly MANCHESTER M1 2AQ

ALSO at :-LOOPHILL FARM CANONBIE DUMFRIES & GALLOWAY DG14 0XW

 Phone:
 0845
 074
 0763

 D/D
 01228
 586
 441

 Fax:
 0845
 074
 0764



CDB Consulting Engineers celebrating being in business now for over 9 years moving from strength to strength, with a team of engineers, the main parties who have been working within the building services industry each for over 30 years.

We all have a wide ranging experience across all types of building design which includes offices, retail, residential, schools, hospitals and all types of industrial buildings

We are working hard towards being in close partnership with our clients, design and contract team, offering advice from conceptual consultation through to full system design to ensure high-performance.

Having a wide experience, our personal and professional approach we offer to assist Architects, Developers, Main-Contractors, Local Council's and Health Authorities etc.

CDB Consulting will deliver a complete range of mechanical electrical & public health services from industrial engineering to HVAC, hot and cold water services, Steam and High temperature engineering, network distribution, power and lighting control.

Other services include fire protection, security systems, voice and data communications technologies, as well as consultations and services that focuses on energy efficiency.

CDB Consultants aim to provide optimal solutions that meet the requirements of the building and the client, recognizing the importance of energy efficiency and cost management



Please feel free to visit our website where more information is available

We help Solicitors and Barristers as we are your technical eyes on site.

We survey your dispute, take photographs, make comment against these photo's and include all these comments along with our technical information and advice in a part 35 Expert Report.

Should you wish to arrange a 15 minute chat, develop advice or arrange for a quotation for a visit throughout the North of the UK please do not hesitate to call 0845 074 0763 or email us at info@cdbconsulting.co.uk