IMechE and Data Centres Knowledge Exchange:

Addressing engineering challenges in critical environments

https://www.workcast.com/register?cpak=3543333841177594 Thank you for joining this event presented on Thursday 11th March 2021

We will commence promptly at 11:30 GMT

Please use "Ask a Question" button to submit your questions and we will endeavour to answer as many questions as possible at the end. You may contact the speaker to request the slides after the event.



Process Industries **NW Centre**







Chief Operating Officer 4D Data Centres

Emma Fryer Associate Director techUK





Billy McHallum Mark Acton Data Centre Consultant, Chartered Senior Manager Engineer, Chartered IT Professional IBX Operations Engineering



Dave Smith Director Sustainability and Operational Risk Interxion: a Digital Realty Company



Murat Islam Mechanical Engineer John Crane UK Ltd

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WHAT IS A DATA CENTRE?



DATA CENTRES ... BACKSTORY























SECTOR GROWTH: CBRE EUROPEAN STATS

Total market supply & utilisation



173 MW



OUR PANEL



Steve Wright Chief Operating Officer 4D Data Centres



Mark Acton Data Centre Consultant, Chartered Engineer, Chartered IT Professional



Billy McHallum Senior Manager IBX Operations Engineering



Dave Smith Director Sustainability and Operational Risk Interxion: a Digital Realty Company



Murat Islam Mechanical Engineer John Crane UK Ltd

KEY COMPONENTS



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INNOVATIONS: EFFICIENCY



INNOVATIONS: IT EQUIPMENT

ASHRAE TC9.9 Increasing IT equipment inlet temperature





FURTHER INFORMATION AND LINKS

Careers landing page Data Centre Employers, Training Providers, Recruiters

Sector overview <u>The UK Data Centre Sector: The Most Important Industry You've</u> <u>Never Heard Of</u>

Ten Myths About Data Centres

Lots more information here https://www.techuk.org/data-centres-programme/data-centresresource-index.html

Contacts Emma.fryer@techuk.org www.techUK.org

Thank You

Thank you for your attention. We hope you enjoyed this event which was facilitated by Steven Wright, Emma Fryer, Murat Islam and Fiona Wong on behalf of Process Division NW Centre committee of the Institution of Mechanical Engineers.

Upcoming events:

- <u>https://</u>www.imeche.org/events
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- ✓ <u>become a member</u> of the Institution of Mechanical Engineers
- ✓ learn more about how to become professionally registered
- \checkmark present your work and get feedback from a select audience
- ✓ participate in STEM activities
- ✓ network with students, apprentices, engineers and managers
- ✓ promote your business or organisation
- ✓ enhance your professional standing
- ✓ showcase your commitment to <u>continuing professional development</u>
- ✓ contribute to the <u>development</u> of our engineering community
- \checkmark be featured in our newsletters and social media channels

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