Agenda

1. Introductions
2. Nature of problem
3. Our solution
4. Solution team
5. Questions
1. Introductions

Introductions

John
Managing Director
Solutions

Sean
Building Performance
Solutions

“We make a difference by improving our clients’ financial and environmental sustainability, improving their resource use by making their buildings work harder”
Clients and sectors

UNIVERSITY OF OXFORD

THE UNIVERSITY OF WARWICK

Birmingham Airport

KING'S College LONDON

UNIVERSITY OF BIRMINGHAM

Oxford University Hospitals

NHS Foundation Trust

NOTTINGHAM TRENT UNIVERSITY

University College London Hospitals

NHS Foundation Trust
The cost to the UK of workers not working as well as they could and sickness absenteeism are over £100 billion per year.

Only 1% of the UK’s building stock is refreshed on an annual basis which means 85% of the building stock which will be in use in 2030 is already in place. Research by the Carbon Trust has highlighted that on average, office buildings use 30% more energy than is required to deliver their specified internal environments.

Despite extensive academic research there is no commercially available model which determines a true measure of an organisations productivity.

Many organisations do not have comprehensive tools or visualisations which measure productivity and how this impacts their return on assets and investments.
3. The solution

We have received funding from Innovate UK and ESPRC to devise a new approach and solution which improves building whole of life performance by targeting improvements in staff productivity and energy efficiency simultaneously by optimising the IEQ building conditions.

This service will improve the whole life performance of buildings by improving staff productivity and then minimise energy use and operational cost to deliver these ideal IEQ conditions.
INNOVATION - WLP+ Determines a model for measuring productivity for business.

INNOVATION - WLP+ Identifies factors that impact the IEQ’s and detract from productivity. e.g. Controls, Plant, Layout, Air Quality etc.

INNOVATION - CONTINUOUS DYNAMIC OPTIMISATION
Develop software solution and interface which continually resets controlled items to deliver enhanced productivity performance.

INNOVATION - Build Mathematical Model – dynamically monitors IEQ factors and determines improved outcomes.

INNOVATION - OPTIMISE BASELINE PERFORMANCE. INPUT INTO MODEL
Developed interface unit feeds multiple source inputs into model.

INNOVATION - WLP+ Output to consolidated
4. Solution team

A strong and broad consortium is proposed. In aggregate, this appears to bring a very relevant range of skills, capabilities and experience. The inclusion of a range of relevant stakeholders (e.g. landlord, tenant, sector organisations, academic) is a positive.

The mix of consultancy, university and FM company clearly demonstrates the correct skills and experience. The CV of each member is provided and these show the experience required is available.
5. Questions

Q&A?

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