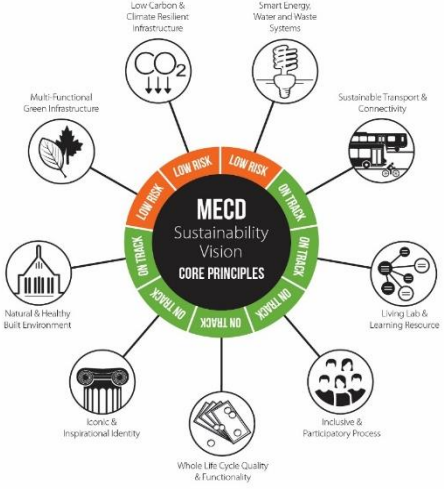
BURO HAPPOLD

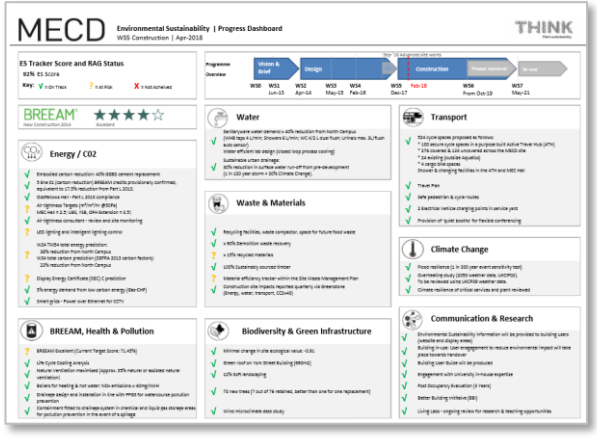
Delivering a Sustainable MECD

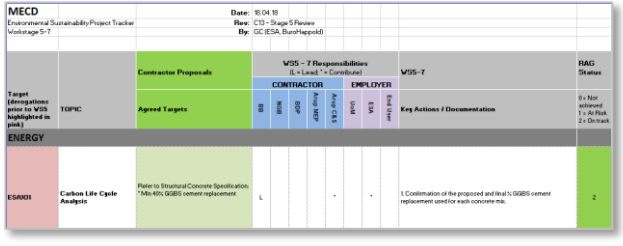
Commitment and outcome

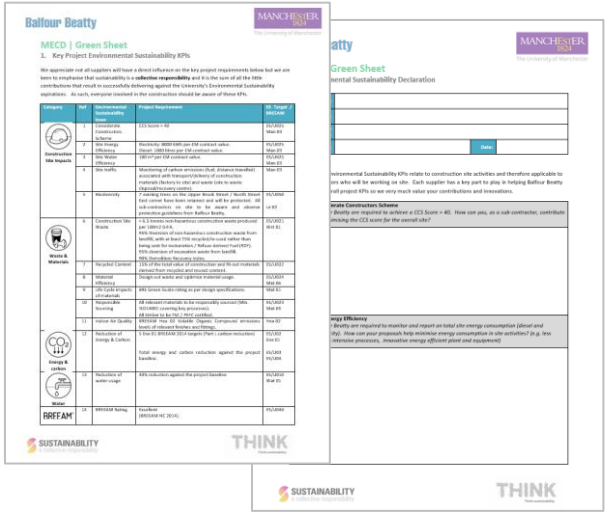
2012-2013
Stage 1 Briefing



2014-2018
Stage 2-4 Design & Monitoring







BUROHAPPOLD ENGINEERING

Commitment and outcome

2012-2013
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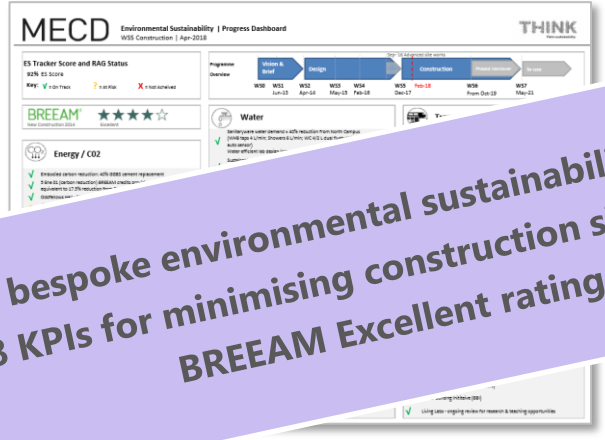
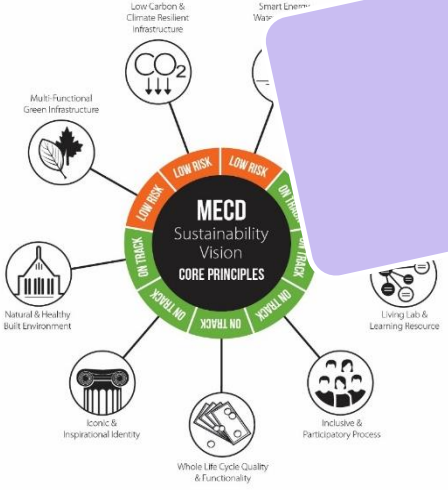
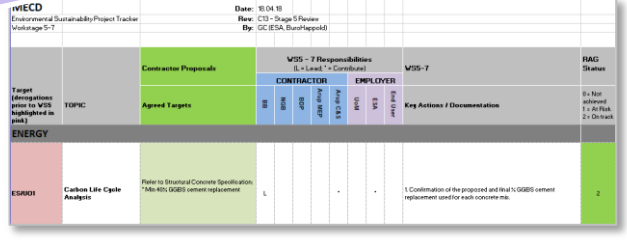


39 bespoke environmental sustainability targets
18 KPIs for minimising construction site impacts
BREEAM Excellent rating





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Commitment and outcome

Building Less

~40% reduction in floor area from North Campus, whilst delivering the same functional requirements

Use Less New

>15% recycled content in new construction materials
>10% of furniture from North Campus reused in MECD

Less Energy & Carbon

Potential for over:
50% reduction in energy consumption
40% carbon reductions (first year)

Less Water

Potential for over **40% reduction in water** use

Construction Impact

97% demolition waste recycled

95% construction waste diverted from landfill

Greener campus

73 new trees (better than one for one replacement)

New **690m² green roof**

13% soft landscaping, with native species and plants for pollinators maximised

Health Wellbeing

Optimised **daylighting and views out**
35% of the building **natural or assisted natural ventilation**
Outdoor space maximising access to nature

Climate Resilience

Ready for **2050 weather projections**

Allowance for **increase in rainfall** in the drainage design

Sustainable Travel

Consolidated campuses – **less travel**
Active Travel Hub (100 secured cycle spaces & facilities)
424 additional cycle spaces across MECD
Bicycle repair stations

Future Thinking

- Designed for future flexibility and adaptability
- Commitment to **3 year Post Occupancy Evaluation**
- **BBI** – 'fine tuning' the building