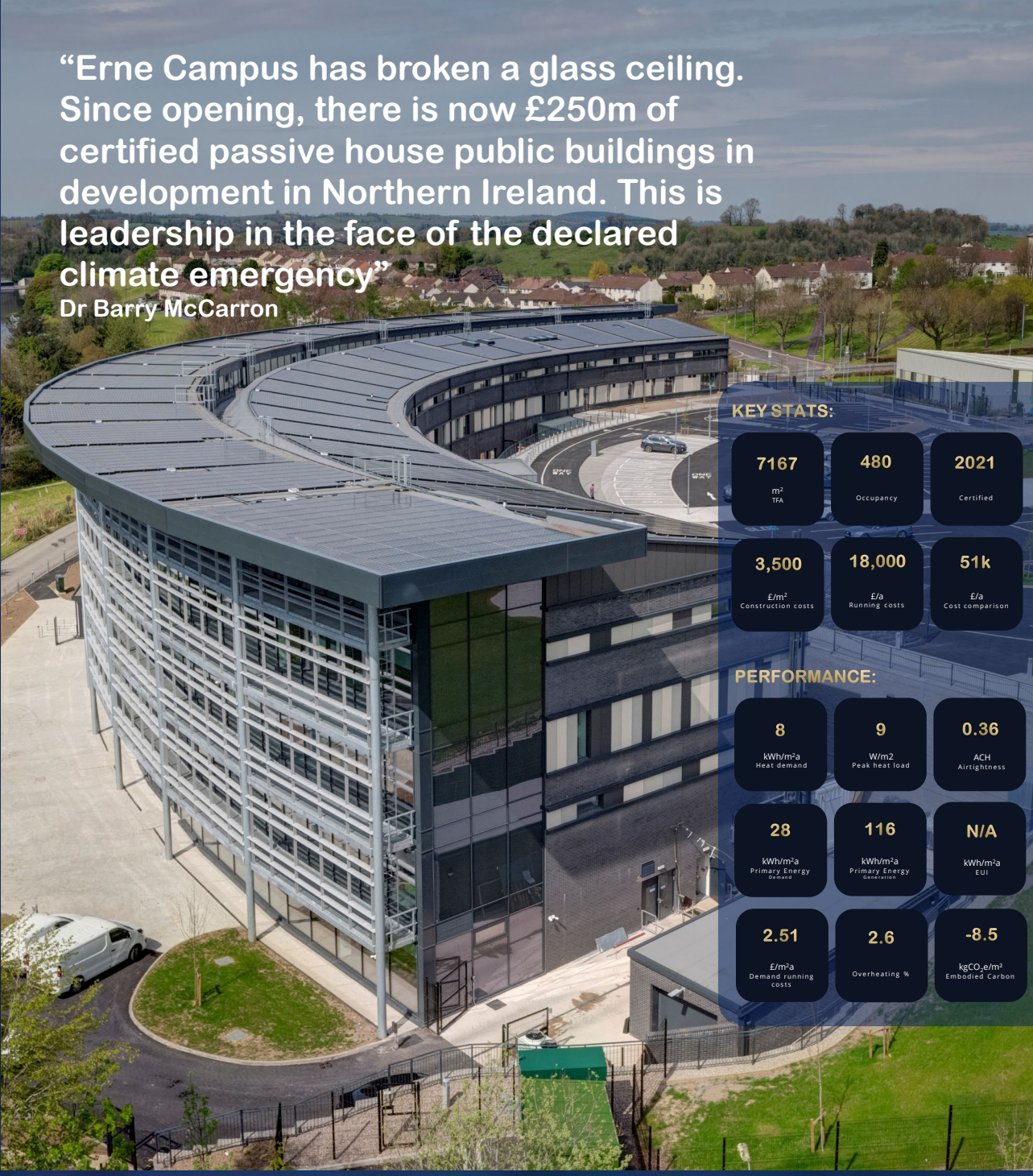




#PHTowards2023

# ERNE CAMPUS PASSIVHAUS PREMIUM

“Erne Campus has broken a glass ceiling. Since opening, there is now £250m of certified passive house public buildings in development in Northern Ireland. This is leadership in the face of the declared climate emergency”  
Dr Barry McCarron



### KEY STATS:

<b>7167</b> m <sup>2</sup> TFA	<b>480</b> Occupancy	<b>2021</b> Certified
<b>3,500</b> £/m <sup>2</sup> Construction costs	<b>18,000</b> £/a Running costs	<b>51k</b> £/a Cost comparison

### PERFORMANCE:

<b>8</b> kWh/m <sup>2</sup> a Heat demand	<b>9</b> W/m <sup>2</sup> Peak heat load	<b>0.36</b> ACH Airtightness
<b>28</b> kWh/m <sup>2</sup> a Primary Energy Demand	<b>116</b> kWh/m <sup>2</sup> a Primary Energy Generation	<b>N/A</b> kWh/m <sup>2</sup> a EUI
<b>2.51</b> £/m <sup>2</sup> a Demand running costs	<b>2.6</b> Overheating %	<b>-8.5</b> kgCO <sub>2</sub> e/m <sup>2</sup> Embodied Carbon

A striking curved campus which acts as a world-leading exemplar and carbon cutting beacon for its students and the wider community

**LOCATION:** Enniskillen, Co. Fermanagh    **STANDARD:** Passivhaus Premium    **FORM FACTOR:** 1.65  
**BUILDING TYPE:** Non-Residential    **CONSTRUCTION:** Masonry



**TEAM CREDITS:** Client – South West College and the Department for the Economy NI, Architect – Hamilton Architects, M&E – Bennett Freehill, Project Management – ESC Consultants, Passivhaus Consultant – Malarkey Pederson, Certifier – MosArt / Passivhaus Academy Ireland, Contractor – Tracey Brothers.

THANKS TO SPONSORS