

# Passive is Massive

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# MosArt's First Passive House Project (2004)





# Shanganagh Castle Estate

For the Land Development Agency, this design & build residential project will deliver 546 units in eight blocks constructed to a Passive House standard and 51 Houses with a stand-alone Creche building and extensive landscaping.

547 Certified Passive House apartments



# District Heating via Air-Source Heat Pump



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# Air-Based Heating in All Apartments via Heat Interface Units





# Cairn Homes at Pipers Square: 598 Certified Passive House Apartments







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# Client Buy-in is Essential for Success





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3-Tower, 19 Story, 850 flats





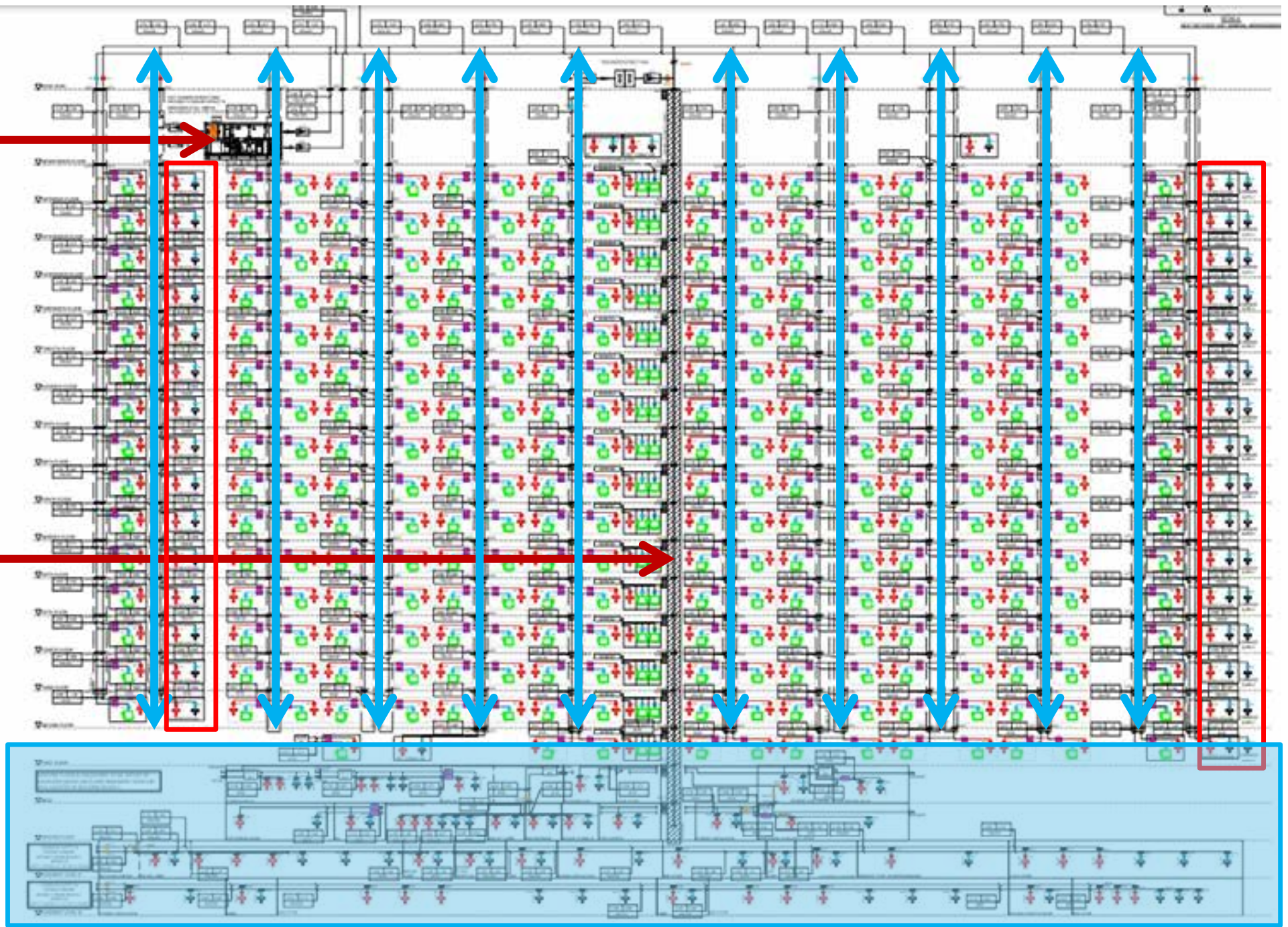
Roof-mounted  
centralised  
MVHR

Risers to studios

Risers to kitchen  
clusters

Smoke extract  
shaft

Lower levels served  
by localised MVHRs  
and air handling  
units in Block C





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# Unitised Curtain Walling

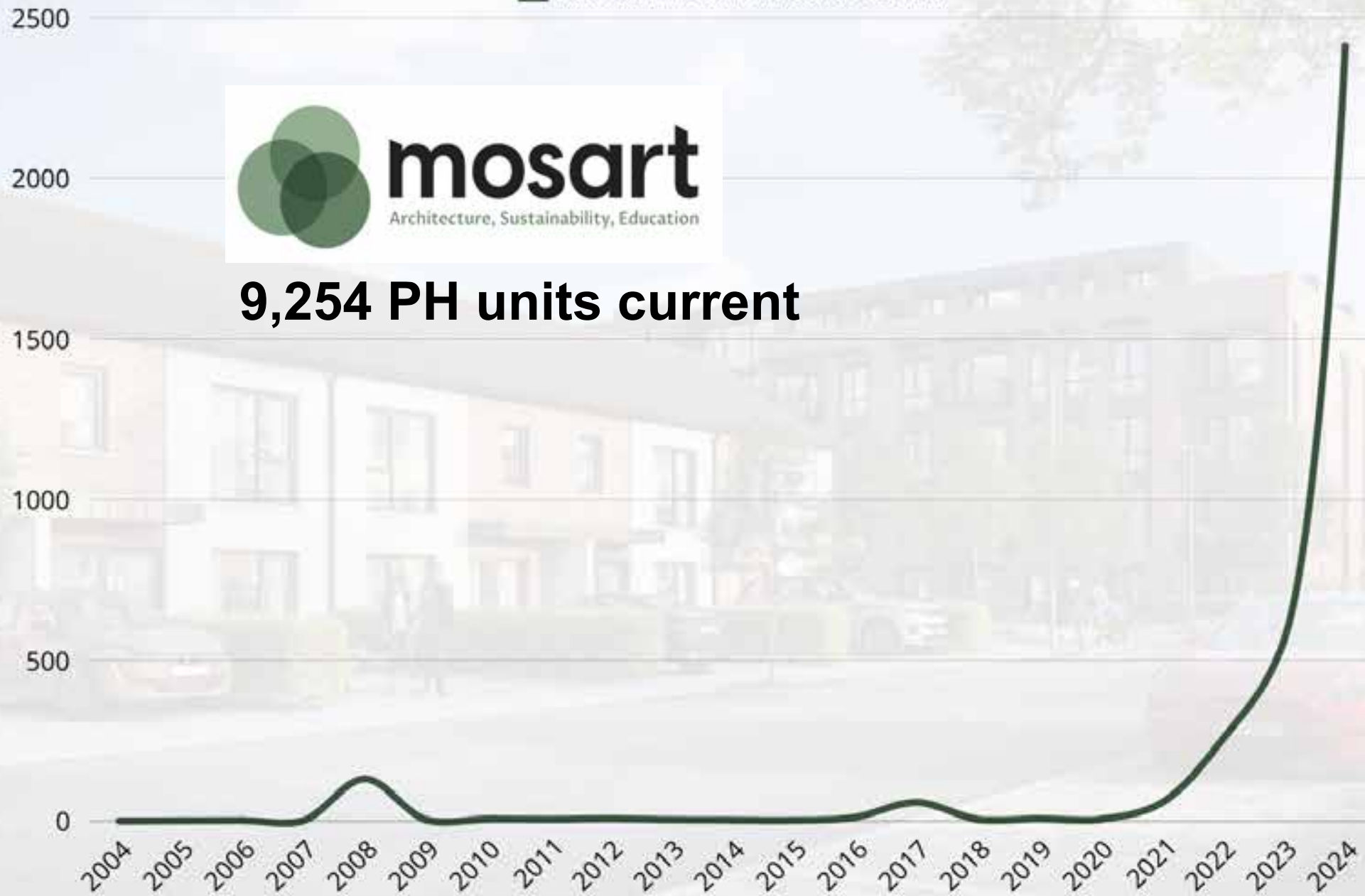




■ Annual PH Units In Construction



**9,254 PH units current**





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## *Thank You!*

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