

about us....



- Over 40 years experience
- Anticipating £24m turnover for 2017/18
- Forecasting £32m turnover for 2018/19
- Part of Bowmer & Kirkland, a 1bn turnover Construction group
 - Financially robust
- Main products including CLT, Glulam, Structural Steelwork, Wall Cassettes, Roof Cassettes
- In-house Structural Engineers
 - plus external engineering partners
- In-house 3D cad technicians, working to BIM Level 2 protocols
- In-house Project Delivery Teams
- Directly employed Site Management
- Dedicated QA / Environmental Management
- Dedicated Health & Safety Management











CLT......Markets (Indicative Only)

Residential

Medium Rise

- 4-12 Storeys
- Pure CLT possible

Medium to High Rise 8-18 Storeys

 Hybrid structures above 12-storeys

PRS / Build to Rent

Betterment on foundations

Betterment on programme

Less personnel / trades on site

Less deliveries to site

Less disruption to local areas

Major developers considering CLT as a viable build solution

Commercial

Mixed Use

Commercial Office Space

Hybrid structures most popular using a structural steel frame with CLT floor decks

CLT can be utilised for stair cores, lift shafts and stair cases

Steelwork frame offers a more conventional open plan office arrangement

CLT floor decks can have exposed soffits

Clients such as TFL and Google see benefits of Hybrid offices

Education

Pure CLT

Hybrid structures using a structural steel frame with CLT floor decks – more common with higher education buildings

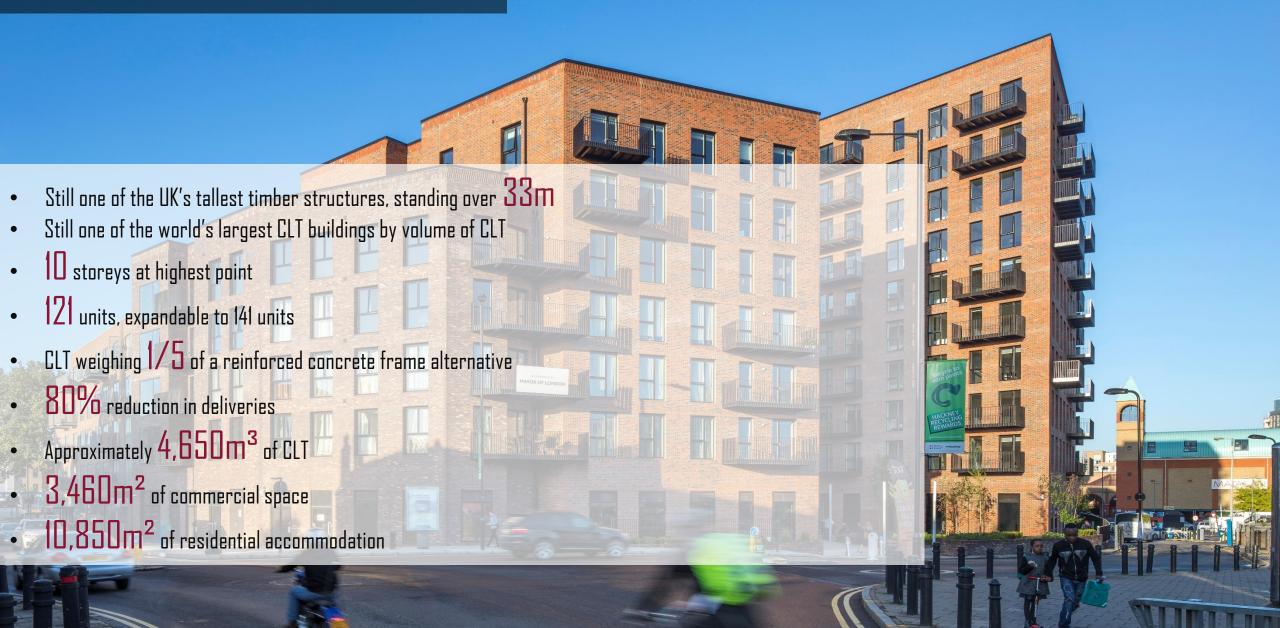
CLT can be utilised for stair cores, lift shafts and stair cases

Steelwork frame offers a more conventional open plan office arrangement

CLT floor decks can have exposed soffits

Could see a hybrid approach for secondary schools

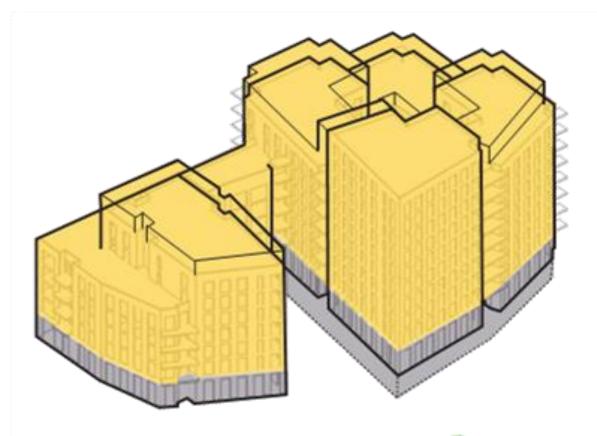
about Dalston Lane....



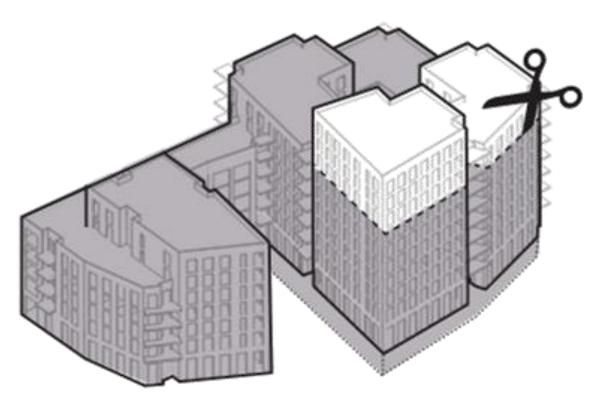


Benefits of a CLT Hybrid

more units achievable compared to original RC frame design

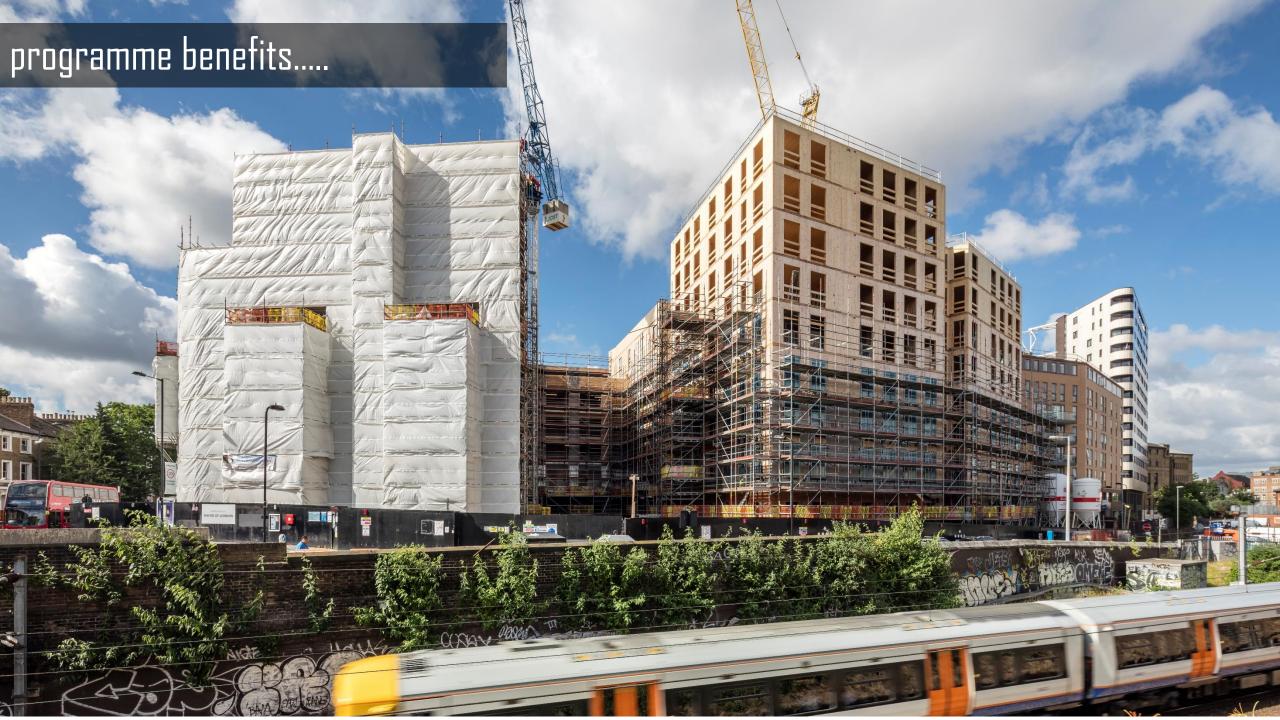






106 FLATS =





a few stats.....

CLT SCHEME

EQUIVALENT CONCRETE FRAME (ESTIMATED)

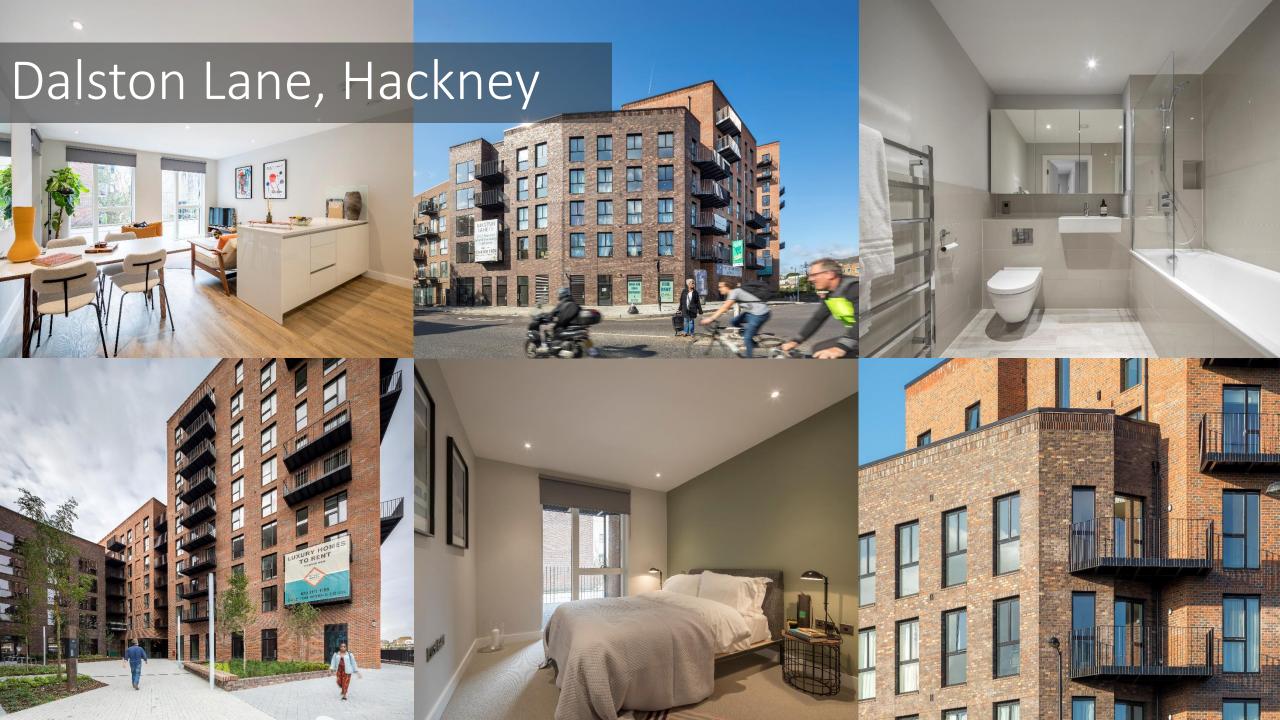
34% CO ₂

The correct choice of construction materials and techniques is crucial if the UK is to meet its target of a 34% reduction in CO2 emissions by 2020.

Co2 saving could mean that every resident in this development could run a car for 14 years without producing any emissions!

Volume timber used	4649 m³	n/a
		,
Number of trees	2325	n/a
Equivalent area of forest	9200m²	n/a
Time required to grow the equivalent number trees used in German and Austrian forests	3 hours	n/a
Sequestered carbon*	3576 tonnes CO₂e	n/a
Embodied carbon*	976 tonnes CO₂e	2000 tonnes CO₂e
Net carbon footprint*	- z600 tonnes CO₂e	+ 2000 tonnes CO1e
Construction time*	start date: 7/7/15 end date: 3/8/16	Similar (excluding stud framing)
Weight of superstructure*	2300 tonnes	10700 tonnes (incl. approx. 700 tonnes of rebar)
Number of deliveries req.*	111 lorries	700 lorries
Volume of concrete	6000m3 (foundations, basement to first floor podium only)	6000m3 (foundations, basement to first floor podium) + 4000m3 (superstructure above first floor)

Figures relate to the (CLT) superstructure only



Residential schemes.....









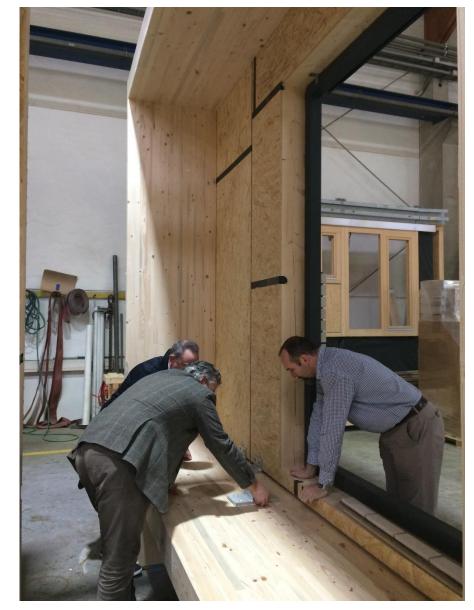




Innovation....Unitised Wall Panels

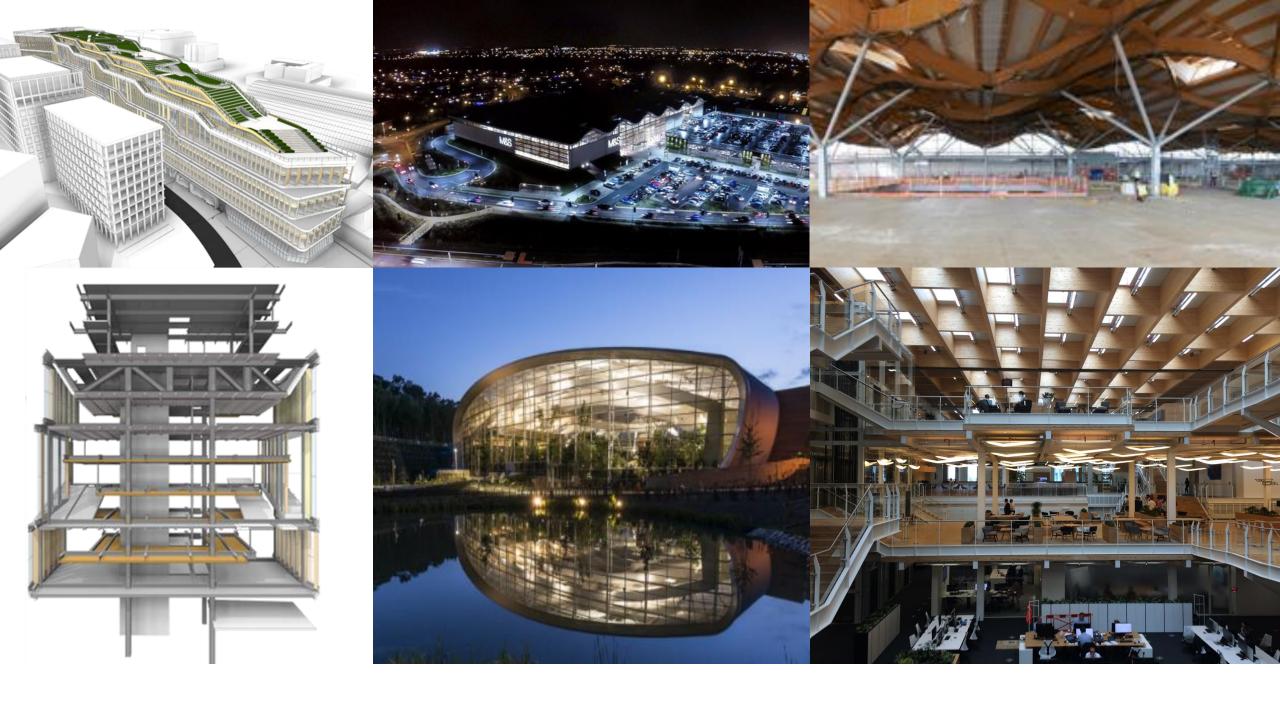






Higher Rise, 17-Storeys +

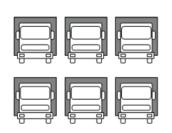




in summary.....

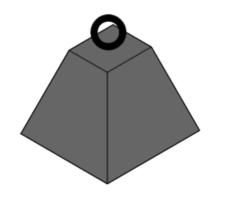
TRADITIONAL TIMBER TRADITIONAL TIMBER





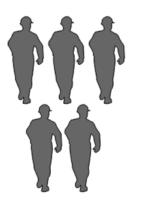
70-85% FEWER DELIVERIES FOR FRAME











60% FEWER SITE STAFF FOR FRAME





