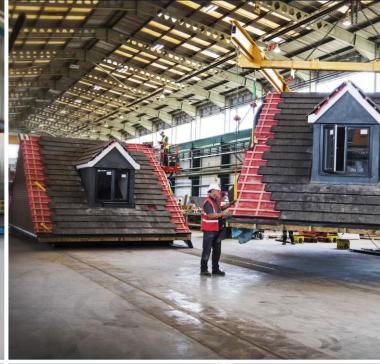
ilke Homes

Revolutionising Housing Supply

Nigel Banks, R&D Director

6th October 2022









What if you could...

- > Increase sales values (including available mortgage funds) by £20-40k/house.
- > For an incremental cost of £15-20k.

➤ Recovering more than the cost uplift from new Building Regulations Part L (£3-5k) and those expected from the Future Homes Standard (a further £6-8k).





Delivered sites.

South East

- 1 Swanley, Kent
- 2 Robert Street, Greenwich
- 3 Gallions Reach, London

South West

- 4 Cattlemarket, Bridgwater
- Coed Darcy, Neath

Midlands

- 6 Redwood Crescent, Beeston
- 7 Brookvale, Derbyshire
- 8 Williams Lane, Newark
- 9 Victoria Ground, Stoke
- 10 Gedling, Nottingham
- 11 Rosemary Avenue, Mansfield
- 12 Wellesbourne, Stratford on Avon
- 13 Southham, Warwickshire

North

- 14 Askern, Doncaster
- 15 Victory Road, Bolton
- 16 Wykebeck, Leeds
- 17 Brooklands, Leeds
- 18 Milton Road, Wakefield
- 19 Carr Lodge, Doncaster
- 20 Rockfield Road, Anfield
- 21 Cawthorn Avenue, Harrogate
- 22 Greenway, Speke, Liverpool
- 23 Central Avenue, Newton Aycliffe
- 24 Central Park, Darlington
- 25 Gateshead Innovation Village, Gateshead
- 26 Somerset Place, Newcastle
- 27 Royal Drive, Egremont
- 28 Hawthorne Avenue, Hull
- 29 Granby, Doncaster
- 30 Newholm Court, Hartlepool
- 31 Shorrock Lane, Blackburn
- 32 Prestbury Road, Sunderland, Tyne and Wear
- 33 St Anthonys Road, Newcastle
- 34 Meadow Road, Whitehaven

Pre-operational and operational sites.

South East

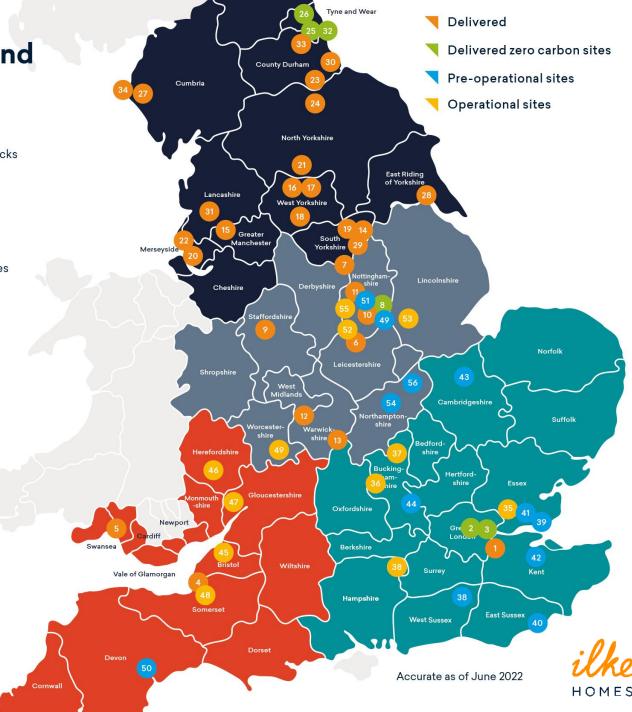
- 35 Stanford-le-Hope, Essex
- 36 Tattenhoe Phase 3, Milton Keynes, Bucks
- 37 Station Road, Bordon, Hampshire
- 38 Burgess Hill, West Sussex
- 39 Southend-on-Sea, Essex
- 40 Hastings, East Sussex
- 41 Linford, Essex
- 42 Staplehurst, Kent
- 43 Springfield Avenue, March
- 44 Tattenhoe Park, Phase 4, Milton Keynes

South West

- 45 Blackberry Hill, Bristol
- 46 Holmer, Hereford
- 47 Drybrook, Forest of Dean
- 48 Brue Farm, Burnham-on-Sea
- 49 Green Gables, Evesham
- 50 Exeter, Devon

Midlands

- 51 Thane Road, Nottingham (Boots)
- 52 Beeston Goods Yard, Nottingham
- 53 Dysart Road, Grantham
- 54 Shirley Road, Rushden
- 55 Arnold, Nottingham
- 56 Glenvale Park, Wellingborough

















ZERO carbon ZERO bills ZERO cost



Technical Guide



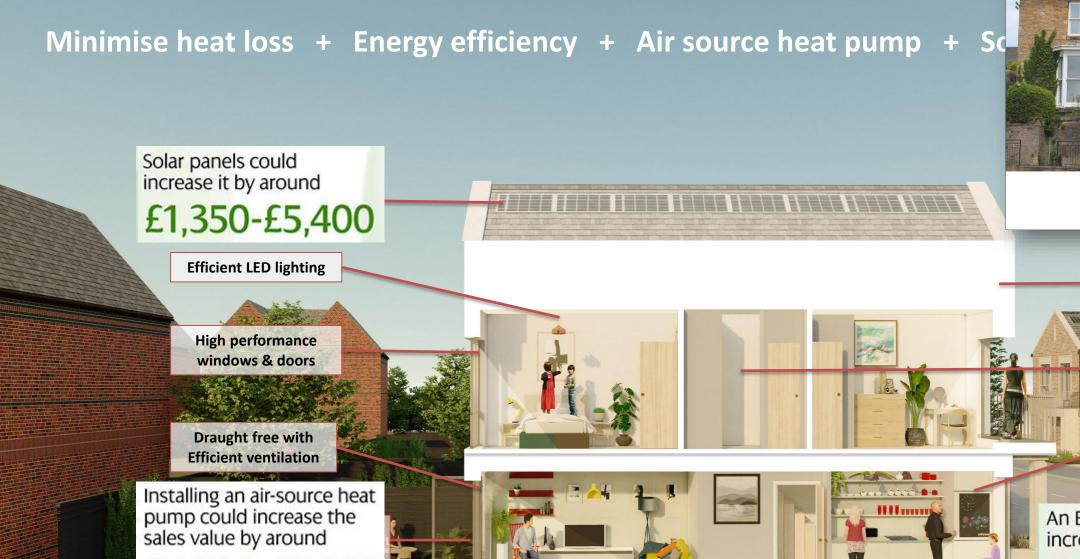


More information at: https://ilkehomes.co.uk/our-impact/ilke-zero-impact/

Download guide here: https://ilkehomes.co.uk/wp-content/uploads/2022/01/ilke-Zero-Technical-Guide-1.pdf



ZERO carbon (DER<0):



Highly insulated walls, floor & roof

Highly efficient water fittings

Smart meter & smart controls

An EV charge point could increase it by around

£5.000



ZERO carbon - Proof of Concept

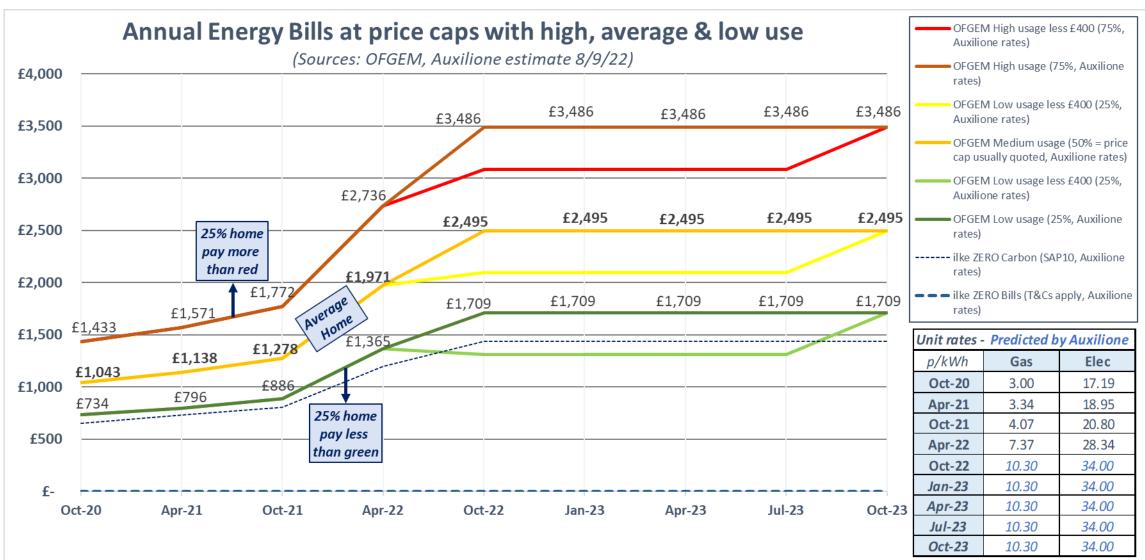




ZERO carbon ZERO bills ZERO cost

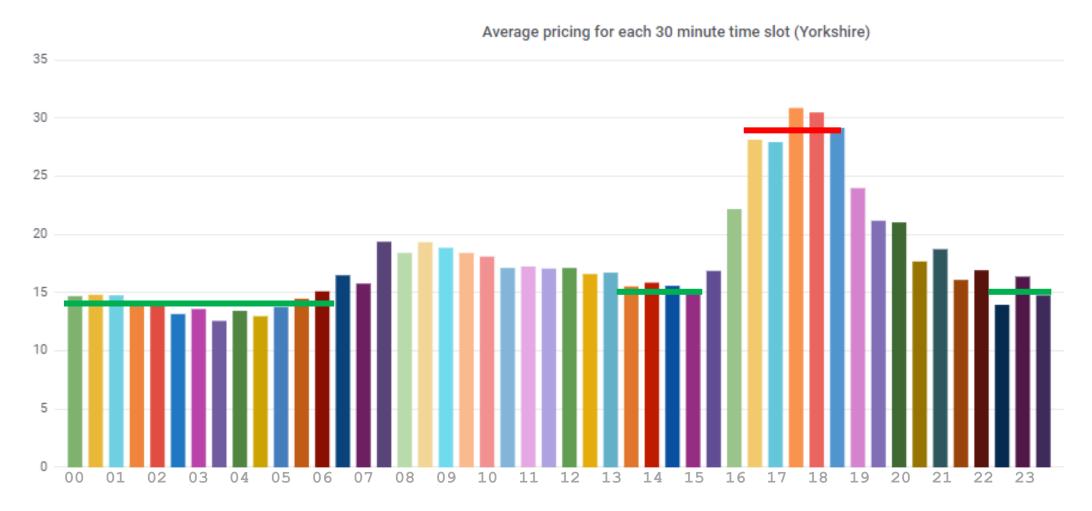


Average energy bills (price cap)



Ave. daily wholesale prices (Octopus Agile export)

Average unit price on Agile Outgoing for each 30 minute slot for the last 365 days

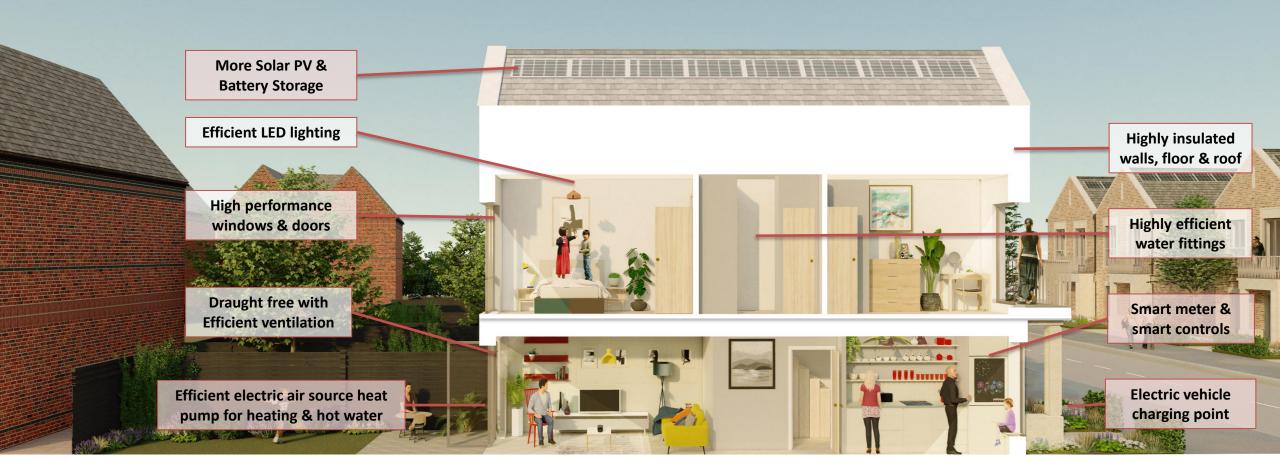




ZERO bills:

Minimise heat loss + Energy efficiency + Air source heat pump + More Solar PV

+ Smart controls + Smart tariff + Battery Storage



ZERO bills







Solar Panels

"Free" energy

Battery

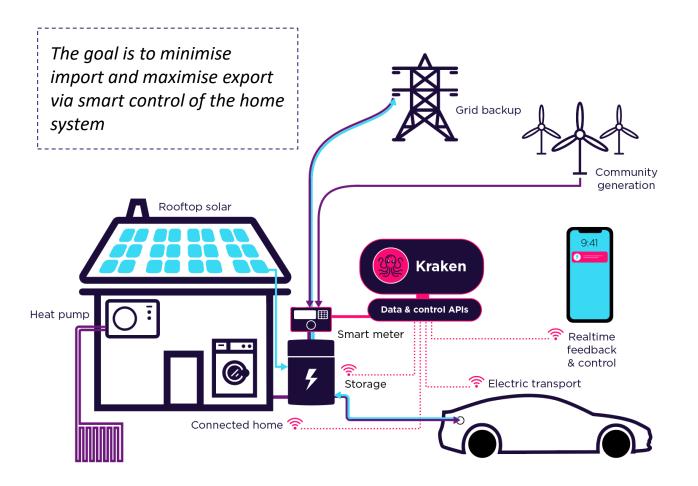
Energy when you want

Heat Pump

3x Heat: Energy



Octopus Energy's Kraken & Kraken Flex platforms optimise the home energy system to achieve a zero bill



Using our "Intelligent Octopus" platform (Kraken & Kraken Flex) we are able to optimise the home energy system for a Zero Bill over 12 months by:

- Optimising around customer controls and preferences
- Controlling the heat pump in the home
- Controlling solar and battery systems in the home
- Taking feed from weather forecasts
- Dynamically accounting for market conditions
- Providing flexibility services to the grid









Cost – Benefit analysis:

Simple payback		Cost uplift					
(years)		£0	£5,000	£10,000	£15,000	£20,000	£25,000
Benefit	£500	0.0	10.0	20.0	30.0	40.0	50.0
	£1,000	0.0	5.0	10.0	15.0	20.0	25.0
	£1,500	0.0	3.3	6.7	10.0	13.3	16.7
	£2,000	0.0	2.5	5.0	7.5	10.0	12.5
	£2,500	0.0	2.0	4.0	6.0	8.0	10.0
	£3,000	0.0	1.7	3.3	5.0	6.7	8.3
	£3,500	0.0	1.4	2.9	4.3	5.7	7.1



Deriving value from Zero Carbon and Zero Bills.

EPC A (92+) or B (81+)

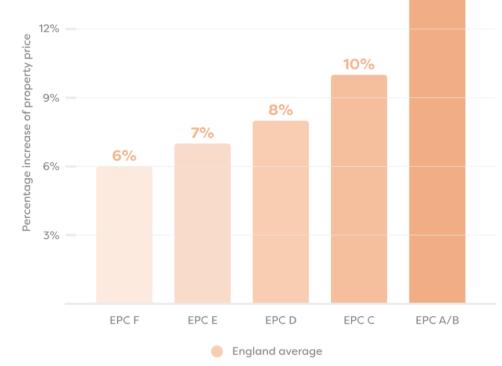
- Higher property values by EPC ratings (not Ldn).
- ➤ Lower "Green" mortgage rates & cashback.
- > Data on rent arrears and bad debt (RP data).

> Zero Carbon

- Lower cost of finance (via ESG funds).
- > Reduced offset costs for carbon neutrality.

Zero Bills (Guaranteed)

- ilke Homes to trial on sites in 2022.
 - Increased sales value (at Hope Green)
 - ➤ Increased rental level (TBC within cap)
 - Wrap into an "all in" rent?



Barclays Green Home Mortgages Buy an energy efficient home and get a lower rate

If you're buying a home with a Nationwide mortgage, we'll reward you with:

- £500 cashback, for a property with a score of 92 or above.
- £250 cashback, for a property with a score of 86 to 91.

ilke

14%

This cashback offer is available in addition to our other cashback offers.

