



# COMMUNITY HEAT HUBS

Smart. Shared. Low-Carbon.

Award-winning, low-carbon heat for new communities and the Future Homes Standard.



# AT A GLANCE

**Simpler to Build. Smarter to Run. Ready for the Future.**

Our Community Heat Hubs make low-carbon heating straightforward for housebuilders, and effortless for homeowners. The solution provides low-carbon, Future Homes Standard-compliant heating and hot water for new housing developments – scalable, efficient, and simple to deliver.

The award-winning solution supplies shared heat from large-scale central air source heat pumps to every home via a network of underground insulated pipes. We provide a turnkey solution – designing, building, adopting and operating the system for reliable performance and complete peace of mind – for life.



# FUTURE HOMES READY

GTC delivers complete utility infrastructure – electricity, water, wastewater, fibre, and low-carbon heat – ready for the Future Homes Standard, and a Net Zero future.

Future-proof heat solutions, built, owned and maintained for life – from the UK's leading independent multi-utility networks provider



## Low Cost Heat

Significant per-plot savings vs. individual ASHPs



## Grid Smart Heat

Reduces site-wide electricity demand by up to 15%



## Compact Heat

Compact HIU with no external ASHP units



## Low-Carbon Heat

Ready for the Future Homes Standard – cuts carbon by 75-80%



## Lifetime Heat

GTC installs, owns, and operates the network for life – no maintenance issues for housebuilders or residents.



## Optimised Heat

Thermal stores charge at night-time rates for low-cost heat at peak times



## Simple Heat

Just one connection per plot, quicker and simpler than individual ASHPs



## Year-Round Heat

Reliable performance all year round



## Efficient Heat

Low-temperature network – designed with insulated pipes

# HOW IT WORKS

“As we move towards the Future Homes Standard, GTC’s Community Heat Hub offers an innovative solution for sustainable home heating. This approach, previously used in high-density developments, now provides community heating for family homes, setting a new benchmark for energy-efficient living.”

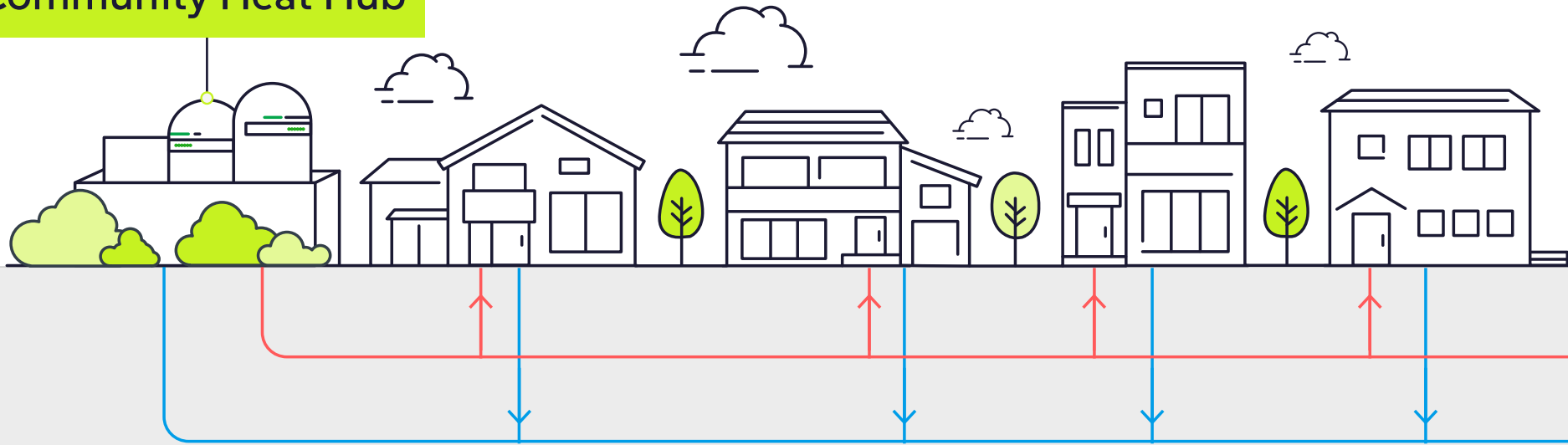
Stephen Andrew, Group Technical Director, Taylor Wimpey

## Efficiency built in.

At the heart of each community lies a central energy centre – the Community Heat Hub. Large-scale air source heat pumps draw warmth from the air to heat water, stored in an on-site thermal tank and distributed to every home through an insulated low-temperature network.



## Community Heat Hub



# THE PROCESS

- 01 Thermal Stores**  
charge at night using low-cost, low-carbon electricity.
- 02 Insulated Pipes**  
carry heat efficiently to every plot.
- 03 Compact HIUs** in each home deliver instant hot water and heating – no cylinder needed.
- 04 Smart Controls** optimise efficiency and support grid flexibility.
- 05 Future-Proof Design** – ready for full grid decarbonisation with no retrofit required.



## FIVE STEPS TO SHARED HEAT

- 01 Design** – In-house network design optimised for your development.
- 02 Build** – Hub and insulated pipe network installed early, with minimal disruption.
- 03 Connect** – Compact HIUs fitted by your M&E teams, just like gas boilers.
- 04 Adopt** – Network transfers seamlessly to our sister company, Metropolitan.
- 05 Operate** – Metropolitan manages operation, billing, and customer support for life.

Simple steps. Seamless integration. Zero hassle.



# BENEFITS FOR HOUSEBUILDERS

Lower cost. Lower risk. Faster build.



## One connection per plot

Cheaper and simpler than installing individual ASHPs



## Reduced electrical capacity

Saves on grid infrastructure upgrades



## Familiar installation

Network pipes laid like gas or water networks



## No external units

More space inside and outside the home



## Owned & maintained

We take care of the design, build, operation and maintenance – for life



## Ofgem Regulated

Assurance for you and your customers

Delivered by one experienced multi-utility partner – end-to-end.

# NET ZERO

## BUILT FOR A NET ZERO FUTURE

Community Heat Hubs achieve 75-80% carbon savings from the day they start operating, exceeding the requirements of the Future Homes Standard.

As the electricity grid continues to decarbonise, the system's carbon footprint automatically falls – no retrofits, no bolt-ons, no disruption.

- Low-temperature network delivering reliable heat and hot water
- Optimised efficiency through smart thermal stores
- Passive grid flexibility for lower peak demand
- Long-life assets: pumps up to 20 years, network up to 100 years



# BENEFITS FOR RESIDENTS

## Reliable comfort. Fixed costs. No surprises.

- Up to 20% lower running costs vs. individual ASHPs
- One simple monthly bill covering heat, maintenance, and repairs
- Always-on – back up systems ensure built-in reliability
- Move-in ready – reliable heat and hot water from day one
- Continuously monitored system for energy optimisation and reliable performance
- 24/7 UK-based customer service and vulnerable customer support
- Regulated by Ofgem and aligned with Heat Trust standards of service.

## Comfort. Certainty. Convenience.



# A PARTNER YOU CAN TRUST

GTC is the UK's leading independent provider of last-mile multi-utility networks. For 30 years, we've led the way in designing, building, owning, and operating essential utility networks that keep new communities connected – from gas and heat to water, electricity, and fibre.

Today, more than 3 million homes across the UK rely on networks we've delivered and continue to operate. Our experience, investment strength, and regulatory integrity give developers complete confidence that their projects – and their customers – are in safe hands.

Globally rated and financially secure, we are structured to enable stable, long-term infrastructure delivery. From design to long-term operation, we're helping housebuilders and local authorities deliver low-carbon, future-ready communities.

## Westland Heath: A Zero-Carbon Community

See our award-winning, low-carbon Community Heat Hub at Westland Heath in Suffolk – cutting emissions and lowering energy costs with a smart, future-proof network.

Take a tour:





# OWNED & MAINTAINED FOR LIFE

Once homes are connected, our sister company, Metropolitan, manages the entire system – heat hub, network, and in-home HIUs – for the long term.

- Continuous monitoring and 24/7 fault response
- Scheduled maintenance and servicing included
- Clear, simple billing and fair, CPI-linked tariffs
- Multiple payment options and support for customers who need it
- Guaranteed service standards aligned with Heat Trust principles and Ofgem regulated

**We take care of everything – from the hub to the home.**

Trusted by the UK's leading housebuilders.  
Built on 30 years of experience.



# LET'S TALK ABOUT FUTURE-READY HEAT

Smart, shared, and sustainable – Community Heat Hubs from GTC make low-carbon heating simple for everyone.

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