

HØLTE

Forget the 'fast-kitchen'

Small business HØLTE reveals carbon footprints for all its products with 'eye-opening' findings: installing a new kitchen has the same footprint as eight years of daily Starbucks



Making the data clear, HØLTE are the first kitchen studio to calculate their products CO2-e impact

When people buy a house, one of the first jobs on their list is usually to rip out and replace the kitchen. For companies like Hackney-based kitchen-design studio HØLTE, that's ostensibly a good thing – after all, their business depends on people's desire to put their own stamp on their space. But our 'fast-kitchen' habit is taking a savage toll on the planet as the climate cost of newly fitted units can be staggering.

Keen to understand the full impact of their industry on the environment, small business owners and HØLTE founders Fiona and Tom Ginnett decided to look deep

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into the data and determine the full carbon footprint of their kitchens: as much as 3,000 kg CO₂-e – around the same as flying from London to Portugal and back or heating the average home for a year.

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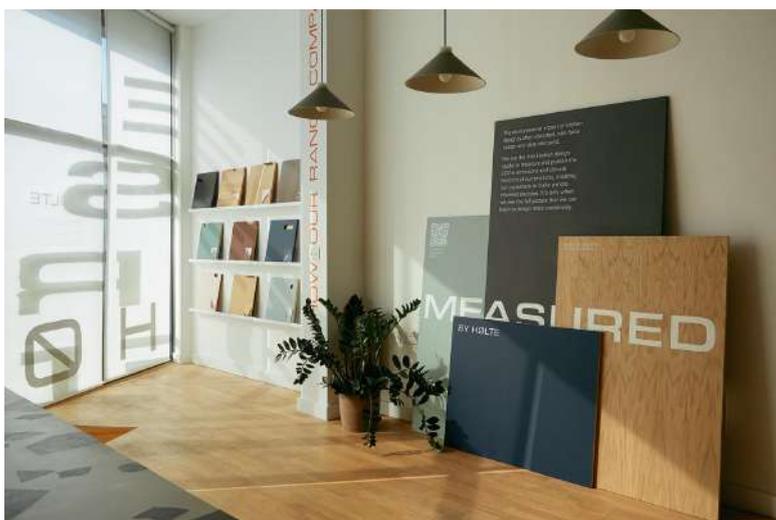
In an industry deeply financially invested in the 'fast-kitchen' model and prone to greenwashing, HØLTE founders Fiona and Tom wanted to offer something else for their increasingly eco-conscious customers.

They liken the position of their industry to that of fashion a decade ago. Then, no one thought much about the environmental consequences of fast-fashion. Today, it's a major influence on consumer decision-making. They hope that by acting now, they can spread consumer awareness and spur the wider kitchen industry to make a difference.

It's time for carbon transparency

Height x width x depth... x CO₂e

When planning a fitted kitchen, most of us think in three dimensions: height x width x depth. But there's a fourth dimension that should be equally important: environmental impact.



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Understanding the full extent of a products' impact is a complex task – something out of reach for the vast majority of small businesses. In HØLTE's search, they turned to the Danish carbon calculator, Målbar, which has already been used to great effect by the sustainability-driven furniture brand TAKT. Taking advantage of Målbar's library of tools, HØLTE has spent 5 months generating a full set of hard CO2e data for every product in its range – and thus uncovering the full – and startling – environmental cost of a modern fitted kitchen.

A typical medium-sized kitchen from HØLTE generates 1,060kg CO2-e – a comparable figure to eight years of daily Starbucks, or a weekly steak habit for two years. This 1,060kg CO2-e total breaks down as follows:

	kg CO2-e
Carbon storage	84
Materials	386
Surface treatment	178
Production	113
Packaging	20
Transport	150
Use (10 years)	52
Disposal	244

The figures represent an average, as the precise impact will depend on the specific products chosen – there is an emissions difference of around 40% between HØLTE's worst-performing product and its best.

"The data was eye-opening. We had long been aware that the impact of our products on the environment must be significant, but our interaction with the CO2-e emissions of products was limited as not many businesses have done it. When we started calculating our products' full-lifespan emissions it became clear that the impact of a whole kitchen is huge – a single cabinet door can generate the same emissions as 120 hours of Netflix or 92km in a car. It put a fire in our belly."

– Fiona Ginnett, co-founder, HØLTE

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Fiona Ginnett, co-founder, HØLTE

And that's just the start of it: this data includes only HØLTE-made components (door fronts, bespoke cabinetry and handles); once you include worktops and carcasses, the figure for a medium kitchen could potentially more than double to an estimated 2,500–3,000 kg CO₂-e. Once the impact of kitchen appliances enters the equation, the statistics become astronomical.



Blame the Frankfurt kitchen

The reason for the magnitude of the modern kitchen's emissions is, in large part, down to the rise of the 'fast-kitchen'. Before the early 20th century, a kitchen was essentially a collection of standalone furniture – a range, a sink, a table and a dresser – which would likely be with you for a lifetime, moving from house to house, and, should anything cease to be functional, it could be replaced as a single piece. Then in 1926, the arrival of the Frankfurt kitchen – designed for compact post-war housing – paved the way for the modern fitted kitchen, inseparable from the structural fabric of the home.

The convenience of the fitted kitchen has brought with it an enormous environmental compromise. Its panel-based construction and the material demands of fitted joinery necessitated energy-intensive production processes, generating extraordinary amounts of carbon. Today, even products made with 'eco' and recycled materials are still tremendously climate-damaging in emissions terms.

The energy demands of production, coupled with the 'rip-out-and-replace' mentality that we have collectively adopted, has meant that our kitchens are now among the biggest drivers of climate change in our homes.

The future is modular

These are all steps in the right direction, but they are small ones. HØLTE believes that ultimately, the only way to make the kitchen industry sustainable is if we ditch the 'fast-kitchen' model altogether, and in its place adopt an attitude to kitchens that prizes longevity, adaptability and environmental responsibility. This will require a complete rethink of how kitchen cabinetry systems work, and is likely to involve both traditional materials – such as solid wood, a natural carbon store – and technical innovations such as injection-moulded recycled plastics.

HØLTE'S long-term vision is to develop a modular kitchen system that does not rely on heavily processed – and ultimately unsustainable – panel materials, but instead uses low-impact materials and processes. Such a system will be built to last, and will be able to move and adapt with its owner – rather than being ripped out, tipped and replaced as soon as someone new moves in.

"We want to encourage consumers to change their priorities and we want to challenge the industry – including ourselves – to make better and more accessible freestanding kitchens, to find new ways of doing things, to stop designing for obsolescence, and to develop kitchen systems that will last a lifetime."

– Fiona Ginnett, co-founder, HØLTE

Visit the HØLTE showroom at Unit G5 Northside Studios, 16–29 Andrews Road, London E8 4QF to find out more.

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Notes to editors

For more information, interviews with Fiona Ginnett, images and kitchen case studies, please contact holte@zetteler.co.uk.

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Established in 2017, HØLTE is the first kitchen company in the world to measure and publish the CO2e impact of its entire range. The studio designs and manufactures a full kitchen system including durable, hand-finished fronts and cabinets that can be combined with proprietary cabinet carcasses, bringing a high-quality but accessible designer finish to any kitchen. Founded by architecture and fashion veterans Tom and Fi Ginnett, HØLTE has quickly established itself at the forefront of the rapidly evolving 'semi-bespoke' design market, earning a reputation for timeless design, robust engineering, cost efficiency and dedicated client service. Whether created in collaboration with architects and interior designers, or developed by the studio's own design team, HØLTE kitchens offer an adaptable system to suit a wide range of budgets and aesthetics. HØLTE's studio is located on Andrews Road, East London, just off Broadway Market.

holte.studio

[instagram.com/holte.studio](https://www.instagram.com/holte.studio)

