

BODY: HEAD

THE PROBLEM

**Climate change
is accelerating
rapidly**

- Average global temperatures increasing
- Considerable global impacts predicted in the near future
- Aggressive mitigation is required

Companies are finding it increasingly difficult to purchase or support genuine climate change solutions, and are often accused of greenwashing

A BESPOKE SOLUTION

It's essential to explore innovative methods for capturing otherwise wasted energy.

High-capacity venues possess excess heat from people within the space - a significant renewable energy resource.

Venues can innovate with design or upgrade their heating and cooling systems to combat climate change, improving their customer experience, everyone's life in a collaborative manner.

A BESPOKE SOLUTION

Sustainability is really important to everyone just now, and for the sustainability of the industry. People really need to be looking at how they can survive in the future. The beautiful thing about BODYHEAT is that it invites the customer into that. They don't need to do anything different, they need to show up and they need to dance.

Bob Javaheri
Co-Founder



RENEWABLE HEAT WITH EVERY BEAT: USING BODY HEAT AS RENEWABLE ENERGY

BODYHEAT is a new technology which captures, stores and reuses body heat as renewable energy.

Bodyheat Club is a members organisation for venues leading society to a fossil free future.

A WORLD FIRST AT SWG3



SWG3 is a multi-disciplinary arts space, situated in the west end of Glasgow.

Prior to BODYHEAT, SWG3 used a combination of gas underfloor heating, with multiple paired air source heat pumps.

A more sustainable solution was needed - providing a perfect opportunity for the BODYHEAT pilot project.

THE TECHNOLOGY

1



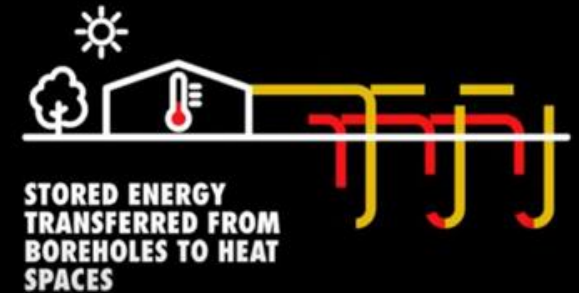
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THE TECHNOLOGY

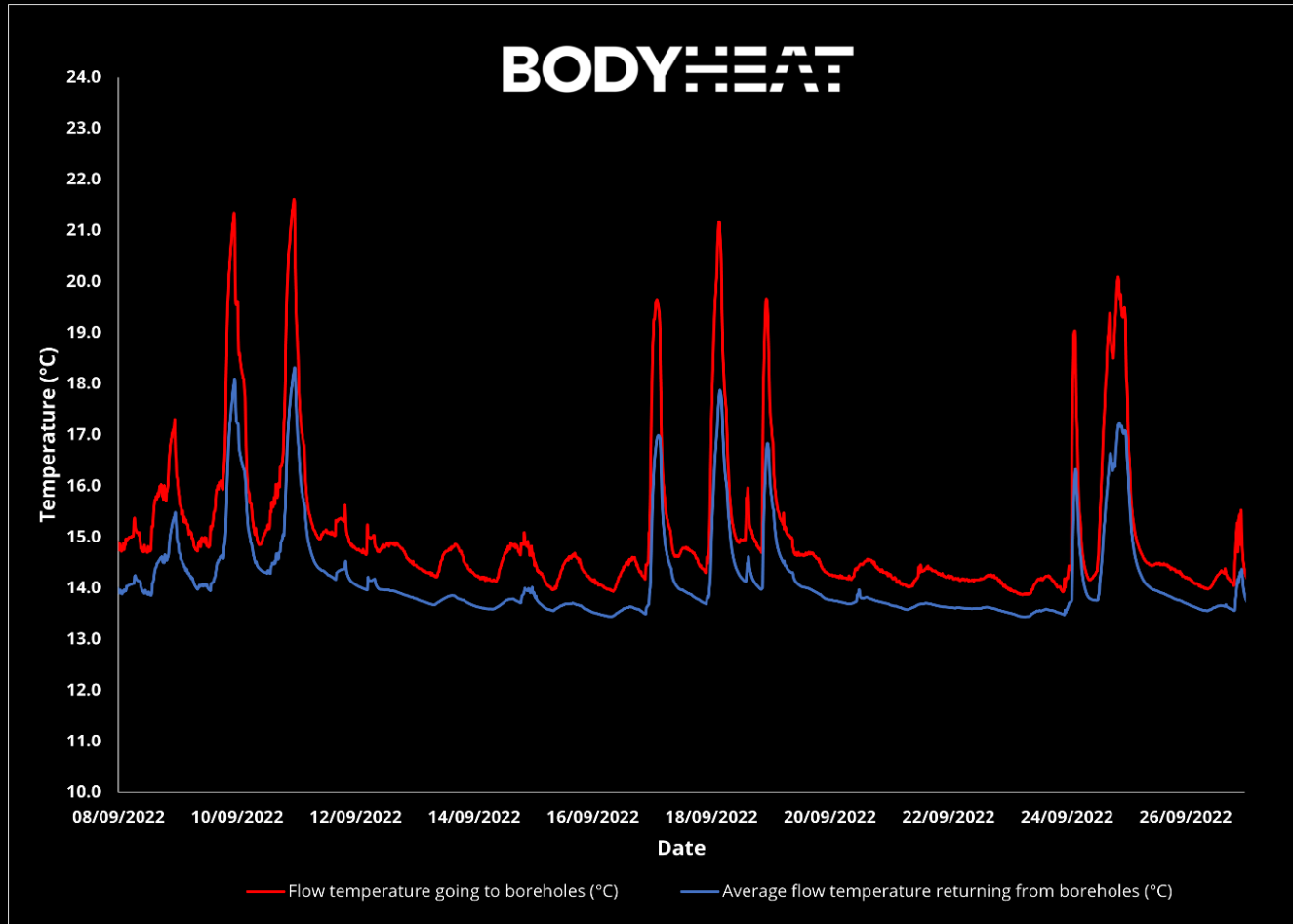


Closed loop boreholes circulate an effective heat-transferring carrier fluid from the ground (the storage medium) to heat pumps to then heat or cool the venue as desired.

Installed under the community garden at the rear of the events space are 12 boreholes, each drilled to 200m in an adjusted U-shape configuration.

The borehole thermal energy array interfaces with twin-unit ground-coupled heat pumps, with a total heating and cooling capacity of 130 kW, with capacity for expansion in the future.

OPERATIONAL PERFORMANCE



The 8 temperature peaks represent nights of BODYHEAT in full action, capturing body heat within the venue and transferring to the 12 boreholes, whilst providing venue cooling in the process.

Constant monitoring of the system performance allows amendments to optimise efficiency and inform future designs.

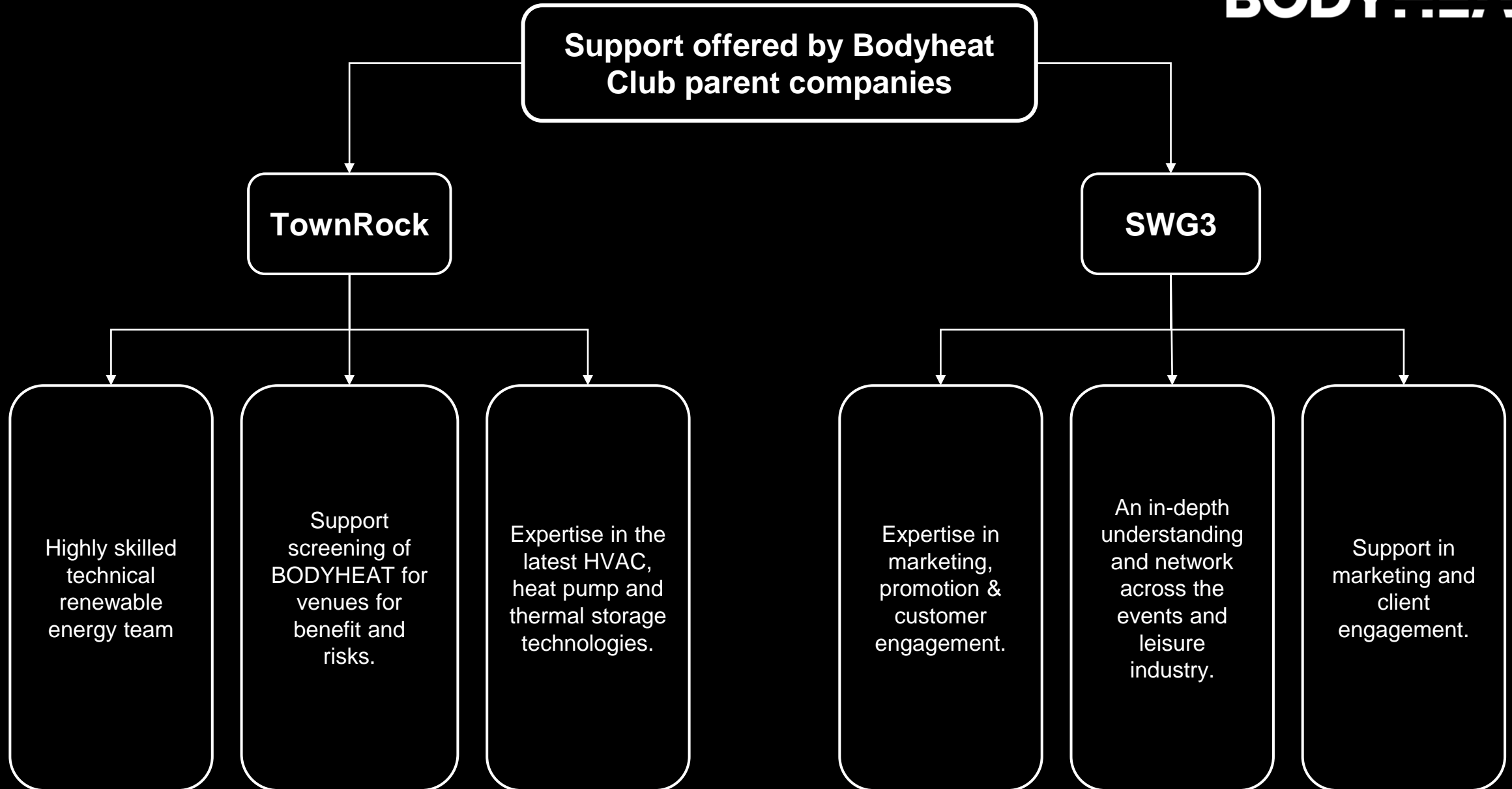
The heat is then delivered, when needed, back into the venue, and to the new Yardworks Studio next door.

PUTTING CUSTOMERS AT THE CORE OF THE NET-ZERO REVOLUTION

Bodyheat Club is currently gathering partners including venues, sponsors and artists.

Our goal is to marry suitable venues with sponsorship and other sources of funding to build BODYHEAT systems in flagship cities around the globe.

To be added to our portfolio, fill in the survey at bodyheat.club



Press Coverage

340+ pieces of coverage
5.88M estimated views
849M audience
40.6k engagements

AS SEEN ON

The BBC logo, consisting of three black squares, each containing a white letter 'B', 'B', and 'C' respectively.The word "POLITICO" in a bold, white, sans-serif font.The words "The New York Times" in a white, serif font.



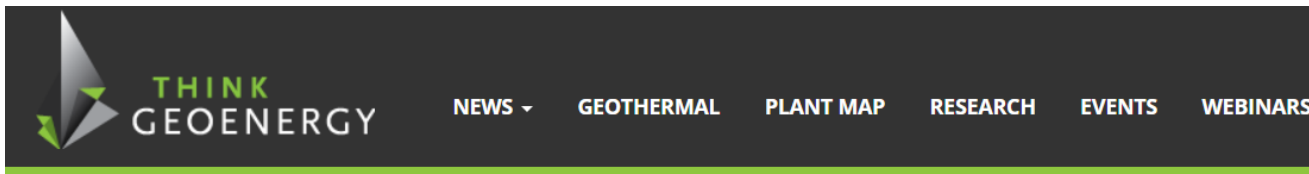
Photograph: Michael Hunter

Inside the Glasgow nightclub powered by dancers' body heat

SWG3 trialled the system during the COP26 climate conference. Now it's been switched on for good

Hot moves: how a Glasgow venue harvests heat from dancers

The Bodyheat system at warehouse venue SWG3 captures heat from the audience and funnels it 200 metres below ground to a layer of bedrock that acts like a thermal battery



Carlo Cariaga
25 Oct 2022

The arts and events venue SWG3 in Glasgow, Scotland has launched BODYHEAT - a system that harnesses body heat and stores it in underground boreholes for on-demand use.

Harnessing an Unusual Kind of Natural Energy: Dancers' Body Heat

The power of dance? It's literal at a Glasgow arts center that is installing a geothermal heating and cooling system that runs on heat from dancing bodies.



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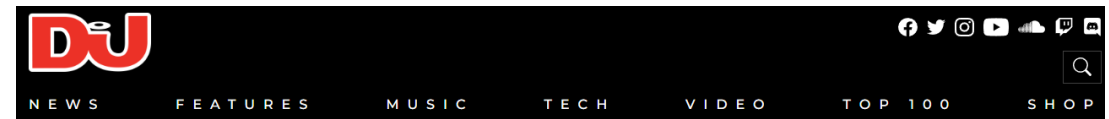
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Body heat from dancers to help power music venue in net zero effort

SWG3 launched a new thermal heating and cooling system, dubbed Bodyheat, at a special event on Thursday.



NEWS

GLASGOW CLUB SWG3 STARTS USING DANCERS' BODY HEAT TO POWER VENUE

It's hoped that the new energy system will help the venue to reduce its carbon emissions by about 70 tonnes of CO2 a year

Press Coverage

60 Seconds - <https://youtu.be/GJ0xDjhiPvE>

TF1 - <https://www.tf1info.fr/environnement-ecologie/video-ecosse-cette-salle-de-concert-utilise-la-chaaleur-humaine-comme-une-energie-et-inepuisable-2245732.html>

BBC - <https://www.bbc.co.uk/news/technology-63161838>

Accessed February 2023

AS SEEN ON



POLITICO

The New York Times

Drop into our DM's

Visit www.bodyheat.club
and fill in the survey

Discover the potential for BODYHEAT at
your venue



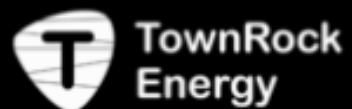
Our membership programme can help you on your journey to reducing emissions and increasing turnover

BODYHEAT

Club Partners

SWG3

Delivery Partners



Funding Partners



Scottish Government
Riaghaltas na h-Alba
gov.scot