

00:19:09 From \*\*\*\* : Welcome everyone, please do introduce yourselves in the chat here

00:19:34 From \*\*\*\* : \*\*\*\* - Groundswell Ecosystems

00:19:55 From \*\*\*\* : Hi from \*\*\*\*, Salisbury

00:20:02 From \*\*\*\* : Hi everyone, \*\*\*\* from the towns and cities team at Ashden here, welcome!

00:20:04 From \*\*\*\* : \*\*\*\*, architect based in London

00:20:21 From \*\*\*\* : hi this is \*\*\*\* and \*\*\*\* from the isle of man. we do not work in housing but would like to build our own place for retirement so hoping to find out more about options

00:21:05 From \*\*\*\* : Hi All, \*\*\*\* from the Planning Team at Lancaster City Council.

00:21:56 From \*\*\*\* : \*\*\*\* here, from Shetland, but York before that. Looking to self-build in the future and interested in the general subject, & the CAT green building MSc

00:22:22 From \*\*\*\* : I am \*\*\*\*, ward councillor in North Somerset

00:22:53 From \*\*\*\* : Hi, I'm \*\*\*\*, Project Manager of the Zero Carbon Britain Hub and Innovation Lab at the Centre for Alternative Technology [www.cat.org.uk/zcb](http://www.cat.org.uk/zcb)

00:22:59 From \*\*\*\* : Hello, I'm \*\*\*\* from the South Coast. Looking for a better way to live.

00:23:08 From \*\*\*\* : here for council housing strategy change lobbying purposes

00:23:09 From \*\*\*\* : Hi All, \*\*\*\* here from Wakemans and based in Caernarfon, North Wales. Dealing with a lot of Housing Associations and their new build projects where MMC and zero carbon is the hot topic

00:23:24 From \*\*\*\* : Hi all, \*\*\*\* from Southend-on-Sea Borough Council's energy and sustainability team.

00:24:27 From \*\*\*\* : Hi everyone. \*\*\*\* here. I'm an Urban Design and Planning Consultant with Urban Initiatives Studio in London. I work with a lot of local authorities

00:24:39 From \*\*\*\* : \*\*\*\* from Burton in Lonsdale on border of Lancashire and Yorkshire where there will soon be a housing development for the first time in 30 years

00:24:49 From \*\*\*\* : Hi All, \*\*\*\* here, I am researching prior to buying (wood)land for a self-build wildlife friendly eco home in Shropshire or Wales.

00:24:54 From \*\*\*\* : \*\*\*\*, Staffordshire moorlands district Council. I apologise in that I will have to leave at 1.00pm

00:25:04 From \*\*\*\* : Hi all, \*\*\*\* from Lipton Plant Architects in London - pushing to make our schemes more sustainable

00:25:05 From \*\*\*\* : I'm \*\*\*\*, cities manager at Ashden, also leading on our green communities and green skills awards this year

00:25:10 From \*\*\*\* : quick question - will the webinar video be available afterwards for those who can't make it now - would be incredibly helpful - thanks

00:25:25 From \*\*\*\* : Hi \*\*\*\*, Cllr at Frome Town Council.

00:26:28 From \*\*\*\* : \*\*\*\* and \*\*\*\* from the Forest of Dean, Cllr at West Dean and concerned about old damp housing stock

00:26:31 From \*\*\*\* : Hiya - I'm \*\*\*\*, a recent ecology graduate from South Devon, interested in green infrastructure

00:26:44 From \*\*\*\* : hi everyone - \*\*\*\* here from Devon

00:26:54 From \*\*\*\* : I'm \*\*\*\* currently in Brixton, south London, trying to get London Borough of Lambeth to build to the Passivhaus standard as standard, not once in 5 years pilot projects. Will be moving to Low Bentham, not a million miles from Burton in Lonsdale...

00:26:59 From \*\*\*\* : Hi All - \*\*\*\* at Blackpool Council, leading on our Climate Emergency response (also - quick plug for a role in my team working on this: <https://greater.jobs/search-and-apply/job-details/3686410/> )

00:27:09 From \*\*\*\* : Hi, I'm \*\*\*\* from Shropshire. Looking forward to hearing latest info about how we can build better homes for people and the planet.

00:27:18 From \*\*\*\* : PS; will this session be recorded? so we can play it back later?

00:28:05 From \*\*\*\* : \*\*\*\* - councillor, Folkestone & Hythe.

00:28:58 From \*\*\*\* : Hi everyone, I'm an architect in Guildford trying to find practical solutions for more sustainable building

00:28:59 From \*\*\*\* : Hi, \*\*\*\*, Isle of Man, in local politics but not elected. Interest in architecture.

00:29:51 From \*\*\*\* : hello, I work in the RSL sector across North Wales.

00:30:43 From \*\*\*\* : Hi \*\*\*\* here in NW Wales. Interested in actions we can all take, not just those building new homes but also those who have a house already. There are far more existing houses than

new builds and they all need retrofitting.

00:31:47 From \*\*\*\* : Here's one of our climate change projects <http://www.deg.wales/gwyrdni/?lang=en>

00:33:10 From \*\*\*\* : Questions for speakers in the chat here please

00:37:31 From \*\*\*\* : Is it still a problem in the builders/contractors understanding what is required in to build a passive house, that is are the skills readily available within the construction industry?

00:38:23 From \*\*\*\* : Q for Speakers: How can we help people in the homes they live in to decarbonise their homes in an affordable way? So that we don't leave anyone behind and address the huge need for reducing fuel poverty and household carbon emissions existing homes.

00:38:48 From \*\*\*\* : What is the cost uplift for passive V current building standards

00:41:04 From \*\*\*\* : Q. Is there a collective voice from RSLs demanding Passivhaus standards yet - so driving the market from the demand side?

00:43:06 From \*\*\*\* : could you please share the link to the report about the impact of unhealthy homes on the NHS?

00:43:15 From \*\*\*\* : Question re clothes drying: My understanding of a Passivhaus is that if washing is hung up to dry in an extract zone such as a bathroom, or utility room with an extract terminal, the MVHR should be adequate to dry the clothes. As the alternative for winter, a tumble dryer, is a high consumer of energy, should not a dedicated space be allocated for hanging up washing in every new build Passivhaus? We have two high level airers with ropes and pulleys in our non-Passivhaus high ceilinged bathroom with an extractor fan and our washing dries very well.

<https://www.castinstyle.co.uk/section.php/302/1/traditional-pulley-clothes-airers-ceiling-pulley-clothes-dryers-kitchen-maid-clothes-airers>

00:43:19 From \*\*\*\* : Q. how hardwearing are Passivhaus and are they more expensive to maintain / repair?

00:43:49 From \*\*\*\* : Good day, greetings from Hungary - I would like to ask an opinion about a purpose of the old panel-concrete-block houses.

00:44:41 From \*\*\*\* : As an addition to the question on cost, is there data on running cost and carbon emissions (embodied and in use) of Passivhaus versus a standard new home built to minimum building reg standards?

00:45:26 From \*\*\*\* : \*....retrofitting:-) / I would like to ask an opinion about a purpose of the old panel-concrete-block houses/

00:45:38 From \*\*\*\* : we live in such a temperate climate do you believe there is a strong argument for achieving Passive performance I.e. <15kw/m2 rather than the cost uplift in cost to achieve Passive certified.

00:46:17 From \*\*\*\* : with regard to residential homes, are Passivhaus "affordable" & are they rentals or aimed at owner occupiers? What is the situation re: leasehold & ground rents (this system has recently been much abused by traditional developers)

00:46:33 From \*\*\*\* : Can you give a m" cost for a new build house?

00:47:43 From \*\*\*\* : Exeter City Living, referred to in the presentation, are building homes to Passivhaus standard for social rent - ECL is the City Council's Wholly Owned Company (and using Building Biology Principles). \*\*\*\* gave a great presentation to Rural Housing Scotland conf recently and recommend watching that when it comes online.

00:47:59 From \*\*\*\* : What are the criteria you use for the evidence based assesment?

00:48:20 From \*\*\*\* : What heating is used to top up during the coolest months

00:48:33 From \*\*\*\* : Is it possible to build to passive house standards without accreditation?

00:49:38 From \*\*\*\* : are the volume housebuilders doing anything yet - and if not how long before this becomes business as usual for them?

00:50:48 From \*\*\*\* : Given the fascination with Modular Methods of Construction and Council's desire to deliver affordable housing / housing for social rent, what concerns are there around diluted standards (recent example of our local Council proposing a development it plans to deliver as `almost passivehaus standard' - and this is for volumetric construction).

00:51:41 From \*\*\*\* : Covid-19 has shown the importance of access to outside space and nature for peoples' health and wellbeing. What thinking is now going on to develop designs that consider this as much as the importance of Passivhaus buildings -which are great, by the way!

00:56:08 From \*\*\*\* : To \*\*\*\*: Are air source heat pumps practicable for a large block of flats in a crowded urban situation? Must they be sited externally to the building or can they be sited internally? In either case, how is the noise issue dealt with? How remotely can they be sited from each flat (e.g. on a flat

roof).

I was told that Camden's Agar Grove Passivhaus complex was originally intended to be heated by air source heat pumps but I believe will now be heated by 7 CHP boilers. Why was this change effected? Impracticability of air source heat pumps, or just greater energy efficiency of CHP?

00:56:30 From \*\*\*\* : Who did \*\*\*\* just mention from Plymouth>  
00:56:57 From \*\*\*\* : do you know your % cost uplift per unit compared to a traditional build?  
00:57:39 From \*\*\*\* : I'm trying to assess the energy usage of a planned block of flats in the London Borough of Lambeth and compare it to a Passivhaus building, but the Energy Statement doesn't give an overall whole building fabric heat loss figure, but separate figures for flats on different floors with different aspects, which have heat losses in the general range of 40 to 50 kWh/m2/year i.e. three times that of Passivhaus. Does that mean the whole building is expected to have a fabric heat loss in that range? Lambeth Council policy is: "Action 1.3 Housing Development By 2020 all new council homes will be built to the highest efficiency standards" (para.3.15) which I interpret to be Passivhaus, which clearly this is nowhere near. Do you have any opinion on the matter of paying a Carbon Offsetting Fee to compensate for poor fabric efficiency?  
00:57:44 From \*\*\*\* : Question for \*\*\*\*, are you using multiple contractors? What codes of eco standards are there that you are going off as well as Passivhaus, who are these houses for? Are they social house or mixed with private housing?  
00:57:51 From \*\*\*\* : Does zero carbon building preclude affordable housing?  
00:58:25 From \*\*\*\* : What is the role of modular building, especially to reduce on-site wastage and lower quality.  
00:58:31 From \*\*\*\* : Where will the recording of this be available?  
00:58:37 From \*\*\*\* : Can you try and keep your questions quite short please - we're more likely to select them  
01:00:18 From \*\*\*\* : Recording will be here: <https://cat.org.uk/past-webinars/>  
01:01:30 From \*\*\*\* : Government Incentives Schemes? Duration to receive Gov Vouchers? 3 months, 12 month?  
01:02:14 From \*\*\*\* : Can't we have a copy of the last slide with all the contacts please.  
01:02:19 From \*\*\*\* : York has flooding issues, like my area. How does this impact?  
01:02:43 From \*\*\*\* : \*\*\*\*'s last slide that was please.  
01:19:46 From \*\*\*\* : [www.cat.org.uk](http://www.cat.org.uk)  
01:23:59 From \*\*\*\* : Building control need to be trained in passivhaus!  
01:24:01 From \*\*\*\* : Community Energy London / Community Energy England @\*\*\*\*  
01:24:08 From \*\*\*\* : A lot of query around who can build these homes for us.  
01:24:16 From \*\*\*\* : How much I don't know but will now go and find out!  
01:24:17 From \*\*\*\* : yes - lack of education  
01:24:18 From \*\*\*\* : Wonderful to see the ambition etc from York!  
01:24:19 From \*\*\*\* : very useful to talk to an expert in passive house and brilliant moderation  
01:24:20 From \*\*\*\* : Very inspiring and thought provoking  
01:24:21 From \*\*\*\* : Urgent action needed from Government but no sign of it.  
01:24:21 From \*\*\*\* : similar challenges in social housing in Wales  
01:24:23 From \*\*\*\* : It's being delivered.  
01:24:23 From \*\*\*\* : Really eye opening & fascinating to hear from someone who lives in a Passive House.  
01:24:24 From \*\*\*\* : refernece to the good homes standards will be interesting to check  
01:24:24 From \*\*\*\* : That there are others interested in Passivhaus and Enerphit  
01:24:26 From \*\*\*\* : The need for strong guidance from central government!  
01:24:28 From \*\*\*\* : Frustration about national policy and direction  
01:24:28 From \*\*\*\* : Useful as I'm on the Isle of Man and \*\*\*\* is in Lancaster with some really useful examples and contacts for us.  
01:24:28 From \*\*\*\* : Shared thoughts on requiremens for sustainability on the actual construction, and not just low energy running during use.  
01:24:29 From \*\*\*\* : Very good mix of different backgrounds  
01:24:29 From \*\*\*\* : Great to hear more from \*\*\*\* about York's approach and commitment to passivhaus and zero carbon  
01:24:33 From \*\*\*\* : A struggle for new housing developments to be build to Passivhaus standards.

01:24:34 From \*\*\*\* : everyone is very passionate but feels they have a lot to learn

01:24:34 From \*\*\*\* : Residents need to be supported in learning how to work with their Passivhauses

01:24:35 From \*\*\*\* : More stringent regulations will be good so all clients have to get on board!

01:24:36 From \*\*\*\* : Retrofit is a big issue and lack of government will to push for higher standards - developers' charter

01:24:38 From \*\*\*\* : Lack of consistency in standards (policy / planners etc etc) across the UK (and globally!)

01:24:38 From \*\*\*\* : shared challenges!

01:24:39 From \*\*\*\* : Sustainable design is such a necessary thing we need to be doing in the construction industry, and yet the current system makes it so difficult! Definitely lots of barriers to overcome

01:24:39 From \*\*\*\* : how we better frame the bigger systemic issues around what good, energy efficient homes look like in a way that reaches in to local democracy (e.g. neighbourhood plans)

01:24:39 From \*\*\*\* : Lot's of struggling to convince councils to build to Passivhaus standard. Perhaps need a mythbuster newsletter

01:24:45 From \*\*\*\* : Arguing for passivhaus with local council we decided we need 2 sides of A\$ to be given to anyone who has a bearing on the decision. Advantages on one side, risks on the other.

01:24:48 From \*\*\*\* : There was an agreement that change needs to come from the top down i.e. the Government. With more stringent standards.

01:24:48 From \*\*\*\* : Lots of difficulty engaging private developers to do Passivhaus on proposed developments

01:24:54 From \*\*\*\* : Enthusiasm of fellow participants and opportunities to network

01:24:59 From \*\*\*\* : How can we check they are building compliantly and who local to our areas will and can build to passivhaus and other standards

01:25:13 From \*\*\*\* : There is will and demand for improvements but developers are not addressing this

01:25:20 From \*\*\*\* : It is great to see all kinds of people, companies, councils etc who are becoming interested in Passive House

01:25:21 From \*\*\*\* : makes sense

01:25:24 From \*\*\*\* : Do we get a link to slides used?

01:25:25 From \*\*\*\* : Passivhaus Trust is a great resource too

01:25:34 From \*\*\*\* : And an Ashden winner!

01:25:39 From \*\*\*\* : This is a list of LAs who have local planning policies that include Passivhaus or equivalent as of 2019:  
[https://www.passivhaustrust.org.uk/UserFiles/File/PH%20planning/2019.12.03\\_UK%20Local%20Planning%20Policies\\_Passivhaus.pdf](https://www.passivhaustrust.org.uk/UserFiles/File/PH%20planning/2019.12.03_UK%20Local%20Planning%20Policies_Passivhaus.pdf)

01:25:40 From \*\*\*\* : Had a good conversation, thank you. I'm struck by the need to lobby Government to legislate for sustainable standards but also need to support councils and developers in financial implications of building sustainable quality homes now.

01:25:41 From \*\*\*\* : Discouraging attitude of governments and developers towards (environmental) quality of buildings, the priority is still direct financial/economic contribution.

01:25:50 From \*\*\*\* : \*\*\*\*

01:26:01 From \*\*\*\* : I found that those working in local authorities are suffering from the same frustrations, in particular with government's lack of inspirational thinking.

01:26:02 From \*\*\*\* : will this recording be available ?

01:26:14 From \*\*\*\* : Can you circulate the chat?

01:26:15 From \*\*\*\* : Yes, \*\*\*\* on CAT's website

01:26:18 From \*\*\*\* : Thank you

01:26:29 From \*\*\*\* : Thanks for a very useful webinar

01:26:33 From \*\*\*\* : You can save the chat - the three dots on the right

01:26:33 From \*\*\*\* : Thank you

01:26:47 From \*\*\*\* : So helpful thank you so much

01:26:58 From \*\*\*\* : Thanks. That was very interesting. Inspiring... but slightly depressing with the speed of progress