

HOME OF 2030 YOUNG PERSONS' DESIGN CHALLENGE



BACKGROUND TO THE CHALLENGE

'Home is the most important piece of architecture in our lives'. Our homes are 'our corner of the world', where we 'take root'. Expressions such as 'home is where the heart is' and 'no place like home', tell us that the 'home' is an emotional need, not just a physical one. People buy a house, they turn it into a home that meets their needs and aspirations.

The Home of 2030 must not just be about good buildings, but about creating a series of spaces that have meaning and heart. We must design and build places in which people can live in as 'homes for life'. Home isn't just where you live, it is how you live. Home is always about people.

We are currently living in homes predicted and designed decades ago – but we all know the way we live our lives has changed dramatically in the last 20 years and we can expect that rate of change to continue, or even accelerate, into the future. In thinking about and designing the Home of 2030 we must challenge ourselves to design through the prism of today's technologies and lifestyles and to imagine what future technologies and lifestyles might be like and what they might mean for homes and our well-being.

This design challenge is asking you to think about the Home of 2030. How will people live in their homes in 10 years' time? What will things like new technology, longer living, environmental impact, climate change, affordability, etc. mean for the design of the homes of the future? How will this impact on size, space, comfort and aesthetics of the home and its adaptability to changing needs?

What would your Home of 2030 look like? How will it address climate change and our environmental and sustainable needs? **The Home of 2030 Young Persons' Design Challenge wants you to use your imagination to answer such questions.**

WHAT IS CHANGING?

We are living to an older age. By 2030, 20% of the UK population will be over 65 years old and by the mid-2030s over 1.5 million homes in the UK will have occupants over 85 years of age.

But the homes we live in don't necessarily meet our changing needs. 70% of the over 60s live in houses with too much space; 35% of over 60s use their homes for work, compared to just 5% of 16-25-year olds - over four million employees now regularly work from home.

HOMES OF 2030 CHALLENGE BRIEF & DESIGN ISSUES TO BE CONSIDERED

01 / 03

FIND OUT MORE: 

MOBIE.ORG.UK
HOMEOF2030.COM

On the other hand, in 2020 only a quarter of 30-year olds will own their own home, and a similar percentage will still be living with their parents. Costs, affordability, childcare, healthcare, cultural needs and an ageing society increasingly mean that three or four generations may live together in the family home.

Our homes use energy to build and run – they have an environmental footprint. In order to minimise this, we must embrace modern manufacturing thinking and practice, including Modern Methods of Construction, digital technologies, efficient, waste minimising, construction processes, and different forms of energy in building our future homes. These new green homes must be of high quality, accessible and adaptable, yet affordable, energy efficient, sustainable and delivered quickly. At the same time, they should be beautiful in appearance and provide high living standards.

THE DESIGN CHALLENGE

The design, composition, layout and features of the family home must be adaptable over a lifetime, flexible and accessible, not just for ageing but for people with health conditions that may limit their mobility. The home must be easily altered and extended as a family grows in size, age and as its needs change, allowing for the potential to reduce size or share living space. Your design should champion modern methods of construction, stretch the use of data technologies, and exploit new smart, healthy building materials, services, fittings and equipment. This could include for example medication reminders and monitoring for someone with dementia or learning disabilities, or smart kitchen units that automatically switch off hobs and appliances when detecting they are no longer in use.

Within the home you must consider 2030 lifestyles, spaces, layout, comfort, functional areas, family areas, private space, passage and flow. The proposed design must be buildable, structurally capable and conform to Building Regulations and be suitable for necessary Statutory Approvals. You can refer to the National Space Standards [here](#)

The buildability and sustainability of your Home of 2030, compared to the homes of 2020, must demonstrate excellent quality development, design and performance. It should be faster, cheaper, consume less energy in operation, use less lifetime carbon, allow for low carbon heating, have less material demands, and provide good ventilation and air quality compared to today's housing. The home will need to be climate resilient (e.g. to overheating).

Homes will be needed in rural areas as well as our towns and cities. Whether urban or rural, consideration must be extended beyond the home and into the neighbourhood, communities and local natural environment. This should include travel.

In developing your design, you must:

- Research the issues that are facing the homes and their occupiers in the future and consider what this might mean for their design and layout;
- Consider the design and materials that you will use for the Home of 2030 – this could include alternative, non-traditional, green, sustainable materials, or recycled materials;
- Consider the technology and data that might be incorporated in the home to make it user friendly and adaptable to changing needs.



HOMES OF 2030 CHALLENGE BRIEF & DESIGN ISSUES TO BE CONSIDERED

02 / 03

FIND OUT MORE: 

MOBIE.ORG.UK
HOMEOF2030.COM

REQUIREMENTS

You need to submit:

- a summary of your proposals
- the research that has led you to your design, and any design changes that you made along the way explaining why you made those changes;
- design concept boards, sketches and drawings, (hand or CAD, plans, elevations, 3-D visuals, possibly a video 'walk through');
- materials specification – the materials you have chosen to use and why;
- model(s) in any chosen format that best illustrates and explains your Home of 2030
- a logo and name for your Home of 2030

STARTING POINT

As a starting point for your initial research you might look at some of the exemplary housing of recent years and decide what's missing or what could be improved in future. Websites such as [Housing Design Awards](#) might be useful. It will also be important to visit the websites of the [Active Building Centre](#) (ABC) and [UK Research and Innovation](#) (UKRI, News). When considering materials and finishes look at other innovative spaces such as aeroplane (business class) cabins, train interiors, boats, etc as possible sources of inspiration.

The challenge is open to young people aged 11 – 25 (including those in Further and Higher Education). These will be judged in two age categories – 11-17 and 18 – 25 years old.

To enter you will need to submit your entry via the Home of 2030 website: www.homeof2030.com

The details of the size, format, photos, models, videos, and range of your design submissions are on the website.

Your design proposal and presentations should be submitted by **Friday 28th February 2020**. Shortlisted entries will proceed to regional heats in late March 2020 and a national final in April/May 2020.

The winners and runners up in the two age categories will receive a cash donation towards school or college design equipment

Good Luck!

If you wish to discuss the challenge further or you have any questions then please contact MOBIE's Head of Education, Gerry Ruffles: gerry@mobie.org.uk



HOMES OF 2030 CHALLENGE BRIEF & DESIGN ISSUES TO BE CONSIDERED

03 / 03

FIND OUT MORE: 

MOBIE.ORG.UK
HOMEOF2030.COM