



@JHirigoyen
@UKGBC

Health and wellbeing in our homes and towns

Homes UK

27th November 2019



UK
GBC

Together for a better built environment

A built environment that enables people and planet to thrive by:

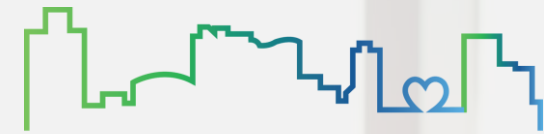
Mitigating and adapting to climate change

Eliminating waste and maximizing resource efficiency

Embracing and restoring nature and promoting biodiversity

Optimizing the health and wellbeing of people

Creating long-term value for society and improving quality of life



BETTER PLACES FOR PEOPLE

A global campaign to accelerate a sustainable built environment by proving and supporting benefits for people, particularly related to health and wellbeing

Project targets

- Reduce contribution from built environment to global health crises, such as air pollution
- Increase awareness and education on sustainable, healthy buildings
- Empower advocacy around sustainability with health co-benefits
- Prove business case for green buildings

Demonstrating the business case for healthy, sustainable buildings

DOING RIGHT BY PLANET AND PEOPLE

The Business Case for Health and Wellbeing in Green Building

April 2018



Health, Wellbeing & Productivity in Offices
The next chapter for green building
September 2014

WORLD GREEN BUILDING COUNCIL

JLL Lend Lease SKANSKA

HEALTH AND WELLBEING IN HOMES
JULY 2016

WORLD GREEN BUILDING COUNCIL

GLOBAL CAMPAIGN SPONSORS: ARUP B&H M&S SKANSKA UPONOR

BUILDING THE BUSINESS CASE:
Health, Wellbeing and Productivity in Green Offices
EXECUTIVE SUMMARY

WORLD GREEN BUILDING COUNCIL

PROJECT LED BY: WORLD GREEN BUILDING COUNCIL
CAMPAIGN SPONSORS: ARUP B&H M&S SKANSKA UPONOR

HEALTH, WELLBEING & PRODUCTIVITY IN RETAIL:
THE IMPACT OF GREEN BUILDINGS ON PEOPLE AND PROFIT
FEBRUARY 2016

WORLD GREEN BUILDING COUNCIL

PROJECT LED BY: WORLD GREEN BUILDING COUNCIL
CAMPAIGN SPONSORS: ARUP B&H M&S SKANSKA UPONOR





MATERIALS

and well-designed ventilation systems that promote good indoor air quality

SOUND INSULATION

and good double glazing to promote quiet and tranquil home environments

LIGHT

generous access to daylight and sunlight and well-designed supplementary electric lighting

RESILIENCE

designed to adapt and respond to changing occupant requirements and future climate change

COMFORT

passive design techniques to prevent summer overheating and excessive winter heating costs

SENSORS

that monitor indoor conditions and increase resident awareness

BEDROOMS

that promote healthy sleep, relaxation and respond to circadian rhythms

COLOURS

that promote balance, wellbeing and relieve stress and anxiety

SYSTEMS

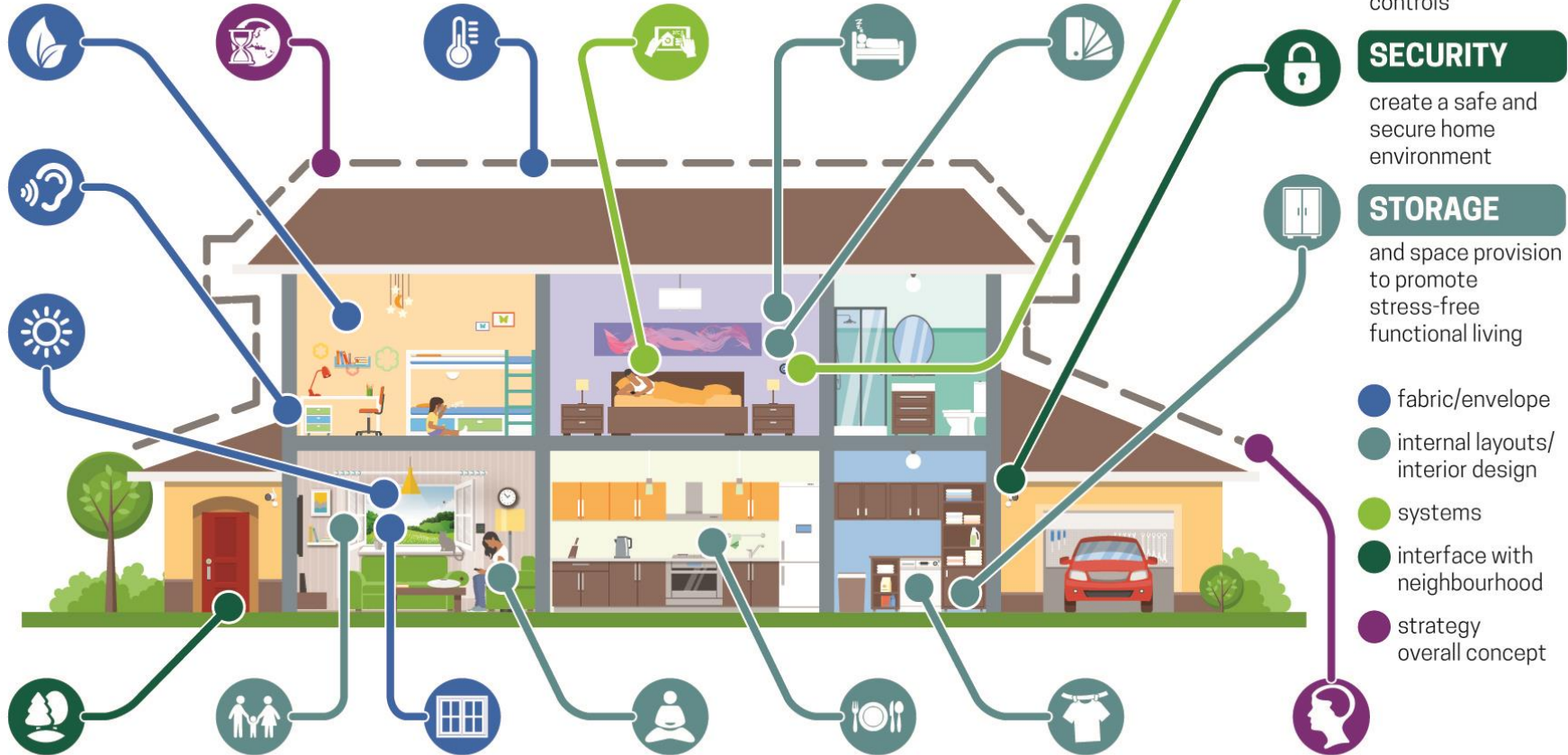
energy efficient and low-emission heating, cooling and ventilation systems with simple and user-friendly controls

SECURITY

create a safe and secure home environment

STORAGE

and space provision to promote stress-free functional living



CONNECTED

to local amenities, public transport, and pedestrian routes to the wider community

LIVING SPACE

that provides stimulating environments for social engagement and play

WINDOWS

and layouts that maximise views out and natural ventilation opportunities

QUIET SPACE

provides settings for focused work, privacy, thinking, relaxation and reflection

KITCHENS

that promote positive family interaction and encourage healthy eating

LAUNDRY

provision to avoid moisture, mould growth and pollutant build-up within the home

FLOURISH

Homes not only have the potential to keep people physically healthy and mentally functional - they also provide opportunities to restore, inspire, uplift the spirit and make people happy!

social space



A vibrant park scene featuring a green metal bench in the foreground, surrounded by lush green grass and several large, leafy trees. The background shows a wide, open grassy area under a clear blue sky. The text "green space" is overlaid in the center of the image.

green space

Biophilia





colour and design



social relationships

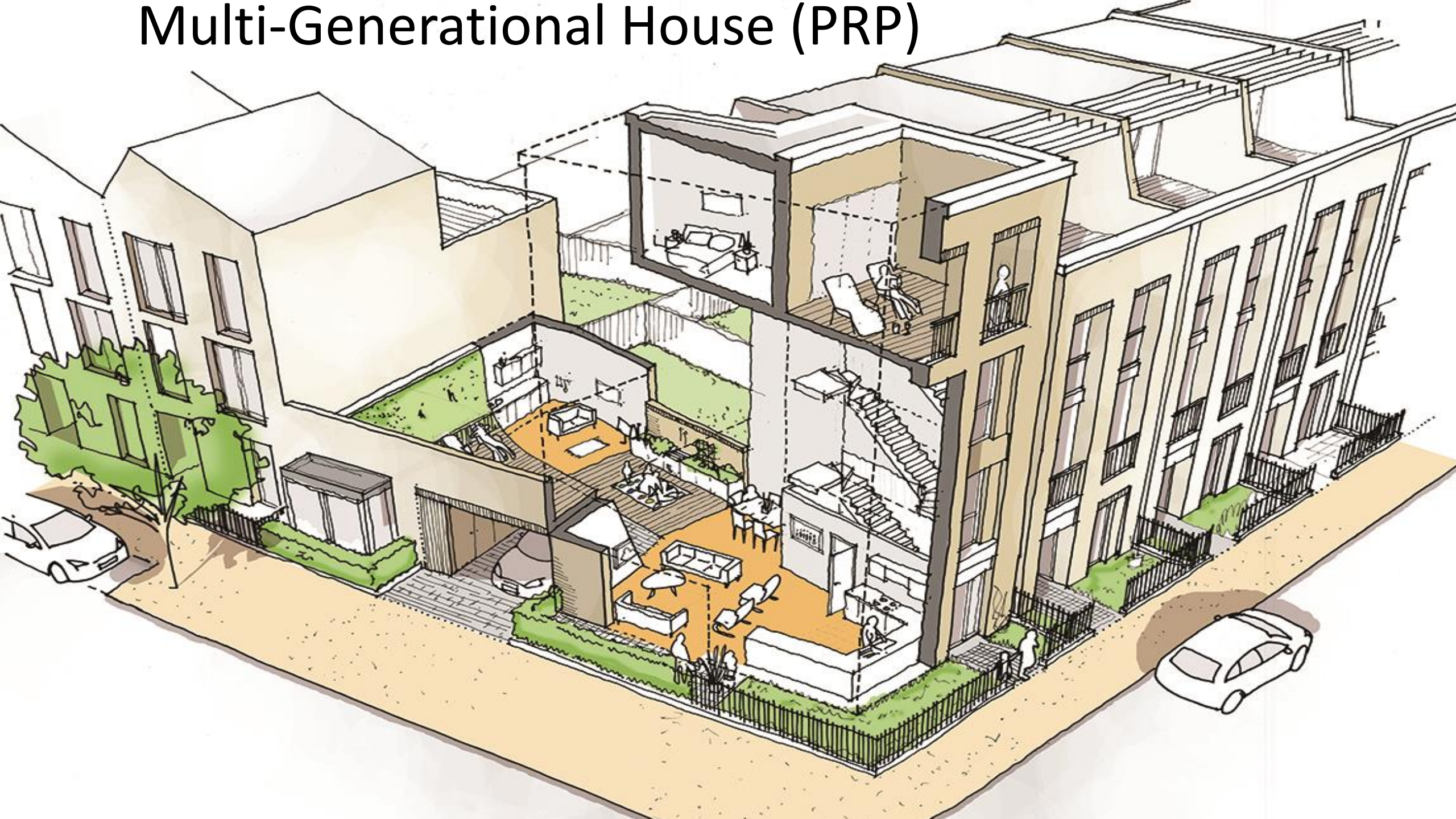


physical activity



safe and secure neighbourhoods

Multi-Generational House (PRP)







Social value in new development:

An introductory guide for local authorities and development teams

MARCH 2018

With thanks to the UKGBC Cities Programme sponsors:

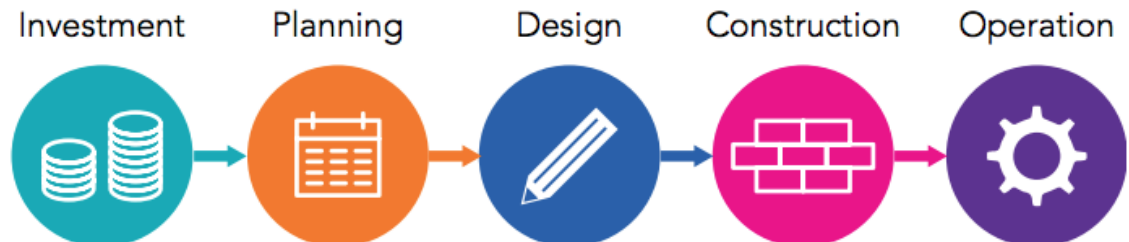


BUROHAPPOLD
ENGINEERING

GVA



JOB AND ECONOMIC GROWTH	HEALTH, WELLBEING AND THE ENVIRONMENT	STRENGTH OF COMMUNITY
Decent jobs for local people, including hard to reach groups	Good accessibility and sustainable transportation	Strong local ownership of the development
Local people with the right skills for long-term employment	Resilient buildings and infrastructure	Existing social fabric is protected from disruption
School leavers with career aspirations of the industry	High-quality public and green spaces	The new community is well integrated into the surrounding area
The local supply chain is supported and grown	Good mental health	Thriving social networks
Future residents have comfortable homes which are affordable to operate	Good physical health	Vibrant diversity of building uses and tenures
Thriving local businesses	Healthy local air quality	Strong local identity and distinctive character
	Limit resource use and waste	





TIME TO ACT!

STOP IT

POLICY CHANGE NOT CLIMATE CHANGE

LET'S BUILD MORE IN TIMBER

BUILT ENVIRONMENT SHOULD NOT NAT

EAT CO2

ROLL OUT THESE

CHANGE TO PALE

There is NO PLANET B

ICE ICE BYE-BYE PLANET

DINOSAURS THOUGHT THEY HAD TIME TOO

I'm a lump of coal GET ME OUT OF HERE!

DEAL OR NO DEAL OUR EARTH IS DYING

CARB TAX NO

RESPECT YOUR MOTHER

WINTER IS COMING

ARCHITECTS! WE NEED TO TAKE ACTION!

OUR HOUSE IS ON FIRE!

SAVE OUR

THIS IS NOT A D

GROWTH GROSS

END DESERTIFICATION OF THE RAINFOREST!

KEEP THE E

IM WITH

ZERO CARBON

LET'S

10 YEARS 3 MONTHS 3 WEEKS 12 HOURS

CARBON

INVEST

RESPECT

CARB TAX NO

CARB TAX NO

CARB TAX NO

Advancing Net Zero

A World Green Building Council global project



WorldGBC definition:
A net zero carbon building is highly energy efficient with all remaining energy from on-site and/or off-site renewable sources

100% of buildings must operate at net zero carbon

2050

2030

All new buildings must operate at net zero carbon

GOVERNMENT ENGAGEMENT

TRAINING & EDUCATION

CORPORATE ENGAGEMENT

CERTIFICATION

Key Principles

1. Measure and disclose carbon

Carbon is the ultimate metric to track, and buildings must achieve an annual operational net zero carbon emissions balance based on metered data



2. Reduce energy demand

Prioritise energy efficiency to ensure that buildings are performing as efficiently as possible, and not wasting energy



3. Generate balance from renewables

Supply remaining demand from renewable energy sources, preferably on-site followed by off-site, or from offsets



4. Improve verification and rigour

Over time, progress to include embodied carbon and other impact areas such as zero water and zero waste



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Thank you!

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