World Green Building Council

A global network of Green Building Councils creating green buildings for everyone, everywhere. Uniting nearly 70 countries and 37,000 members.
Health & wellbeing are a major demand driver

Investors want to be part of the solution

Carbon is centre stage, bringing materials and circularity into spotlight

Mindfulness, personal productivity, “next trillion dollar industry”

Real estate at $223T is the largest asset class globally

Post-COP 21: shift from Energy to Carbon
Carbon is centre stage
Achieving Paris Agreement = Urgent Action Towards Net Zero Carbon Buildings
The Net Zero Carbon Buildings Commitment

www.worldgbc.org/thecommitment
Embodied carbon in the spotlight
Shifts towards circular thinking
CIRCULAR ECONOMY
Closing the loop
AN AMBITIOUS EU CIRCULAR ECONOMY PACKAGE
Level(s) - the future debate

The emerging ‘common EU language’ for sustainable building and circular thinking.

1. Lifecycle Emissions
2. Resources & Circularity
3. Water
4. Adaptation & Resilience
5. Health & Wellbeing
6. Value & Cost
CIRCL, ABN AMRO, Amsterdam
Investors want to be part of the solution
A global approach to sustainable finance

#SustainableFinanceEU
Buildings underpin one third of Europe’s banking sector’s assets.

New financing models are needed to ensure our building stock is ‘Paris Proof’.
Lack of awareness
Lack of a common standard
Lack of coordinated action
A compelling vision

A new market standard for Paris Proof mortgages

A call to action to banks, industry and governments

CREATING AN ENERGY EFFICIENT MORTGAGE FOR EUROPE

TOWARDS A NEW MARKET STANDARD
Health and wellbeing
Driving the Business Case

Investing in staff health and wellbeing provides a sizeable return

- **1%** Energy Costs
- **9%** Rental Costs
- **90%** Staff costs in salaries and benefits

EIGHT FEATURES THAT MAKE HEALTHIER AND GREENER OFFICES

1. INDOOR AIR QUALITY & VENTILATION
Healthy offices have low concentrations of CO₂, VOCs (volatile organic compounds) and other pollutants, as well as high ventilation rates.

WHY?
101% increase in cognitive scores for workers in a green, well-ventilated office.¹

2. THERMAL COMFORT
Healthy offices have a comfortable temperature range which staff can control.

WHY?
6% fall in staff performance when offices are too hot and 4% if too cold.¹

3. DAYLIGHTING & LIGHTING
Healthy offices have generous access to daylight and self-controlled electrical lighting.

WHY?
46 minutes more sleep for workers in offices near windows.¹

4. NOISE & ACOUSTICS
Healthy offices use materials that reduce noise and provide quiet spaces to work.

WHY?
66% fall in staff performance as a result of distracting noise.²

5. INTERIOR LAYOUT & ACTIVE DESIGN
Healthy offices have a diverse array of workspaces, with ample meeting rooms, quiet zones, and stand-up desks, promoting active movement within offices.

WHY?
Flexible working helps staff feel more in control of their workload and encourages loyalty.³

6. BIOPHILIA & VIEWS
Healthy offices have a wide variety of plant species inside and out as well as views of nature from workspaces.

WHY?
7-12% improvement in processing time at one call centre when staff have a view of nature.⁴

7. LOOK & FEEL
Healthy offices have colours, textures, and materials that are welcoming, calming and evoke nature.

WHY?
Visual appeal is a major factor in workplace satisfaction.⁷

8. LOCATION & ACCESS TO AMENITIES
Healthy offices have access to public transport, safe bike routes, parking and showers, and a range of health food choices.

WHY?
Savings through cutting absenteeism as a result of Dutch cycle-to-work scheme.⁸

EMPLOYEE ENGAGEMENT
Healthy offices have employees that are regularly consulted and that feedback is used to drive continuous improvement.⁹
Collecting data and supporting debate

2014

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

2016

Health, Wellbeing & Productivity in Retail: The Impact of Green Buildings on People and Profit
February 2016

Health and Wellbeing in Homes
JULY 2016

2018

Better Places for People
The Business Case for Health and Wellbeing in Green Building
April 2018
Thank you!

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