



SUSTAINABLE

WORKPLACE SOLUTIONS

OUR OUTLOOK

www.wps.com



ABOUT US

Workplace solutions Pvt Ltd (WPS) has been providing product solutions for commercial office fit-outs since 2004. As a company, we strive to create workspaces conducive to productivity, collaboration and engagement.

The company was founded by Sushant Singh and Pratap CP who have a combined experience of more than 50 years in the industry, and we as WPS have leveraged their industry know how to service more than 200 clients across india.



www.wps.com



HAY

maharam

fantoni

framery

MUUTO

DATESWEISER

Andreu World

EDELMAN
LEATHER

arper

MillerKnoll

MillerKnoll is a collective of
dynamic brands that comes together
to design the world we line in.

Knoll

NaughtOne



HermanMiller



colebrook
bosson
saunders

ShawContract®

WHAT IS SUSTAINABLE?

"Sustainability means meeting our own needs without compromising the ability of future generations to meet their own needs".



The Triple Bottom Line of Sustainability



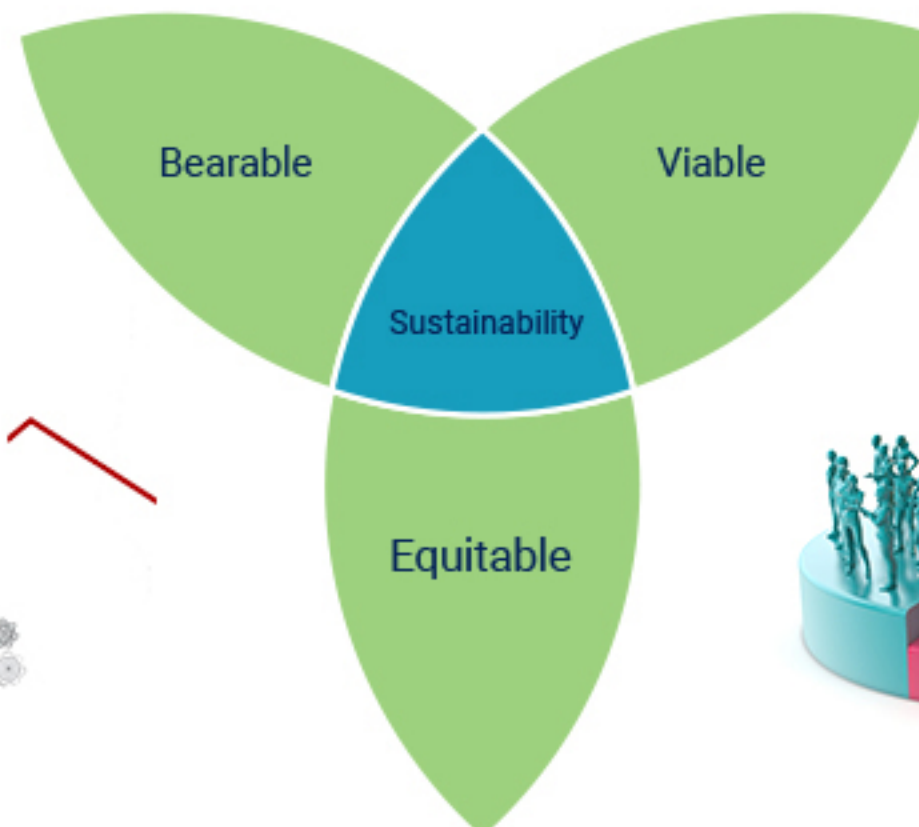
Planet

Environmental variables relating to natural resources, water & air quality, energy conservation, and land use.



Profit

Economic variables dealing with the bottom line, cash flow.



People

Social variables dealing with community, education, equity, social resources, health, well-being, & quality of life.

GREEN OFFICE DESIGN

What is a green office?



A green office considers its impact on the environment, and takes necessary measures to ensure energy efficiency and lower emissions. Sustainability and biophilic design are integral components of green offices.

SUSTAINABILITY

- Incorporation of energy saving elements like smart lighting systems and HVAC technologies
- Recycled furniture
- Recycled building materials
- Environmental certifications and ratings



BIOPHILIC DESIGN

- Use of natural elements in an indoor environment
- Natural light
- Varied air flow
- Raw finishes / materials
- Inclusion of living plants

Why you should work in a green office

A wealth of recent studies have found that sustainable office design is as good for its occupants as it is for the environment, improving occupant's health and productivity.

How to update your office with sustainability

If you are considering an office build or refurbishment, it is important to work with designers and developers who are dedicated to reducing their impact on the environment.



INCREASED PRODUCTIVITY

- 15% increase in productivity
- Psychological engagement
- Improved cognitive function
- Creativity boost



HEALTH BENEFITS

- Improved air quality
- Dust reduced by up to 20%
- Healthy humidity levels
- Reduced stress levels
- Improved mental health



ENVIRONMENTAL IMPACT

- Reduced CO2 emissions
- Reduced waste generation
- Energy conservation
- Lower energy costs

What you can do



Turn heating on one hour later, and off one hour earlier to reduce energy consumption by 6-8%



Install smart lighting systems



Commit to waste management



Bring live plants into your work environment



Eliminate single-use plastic

What we can do



Office fit outs using recycled and reused materials, promoting circular economics



Sustainable design and build services



Installation of energy efficient systems like LED lighting, smart lighting and HVAC systems

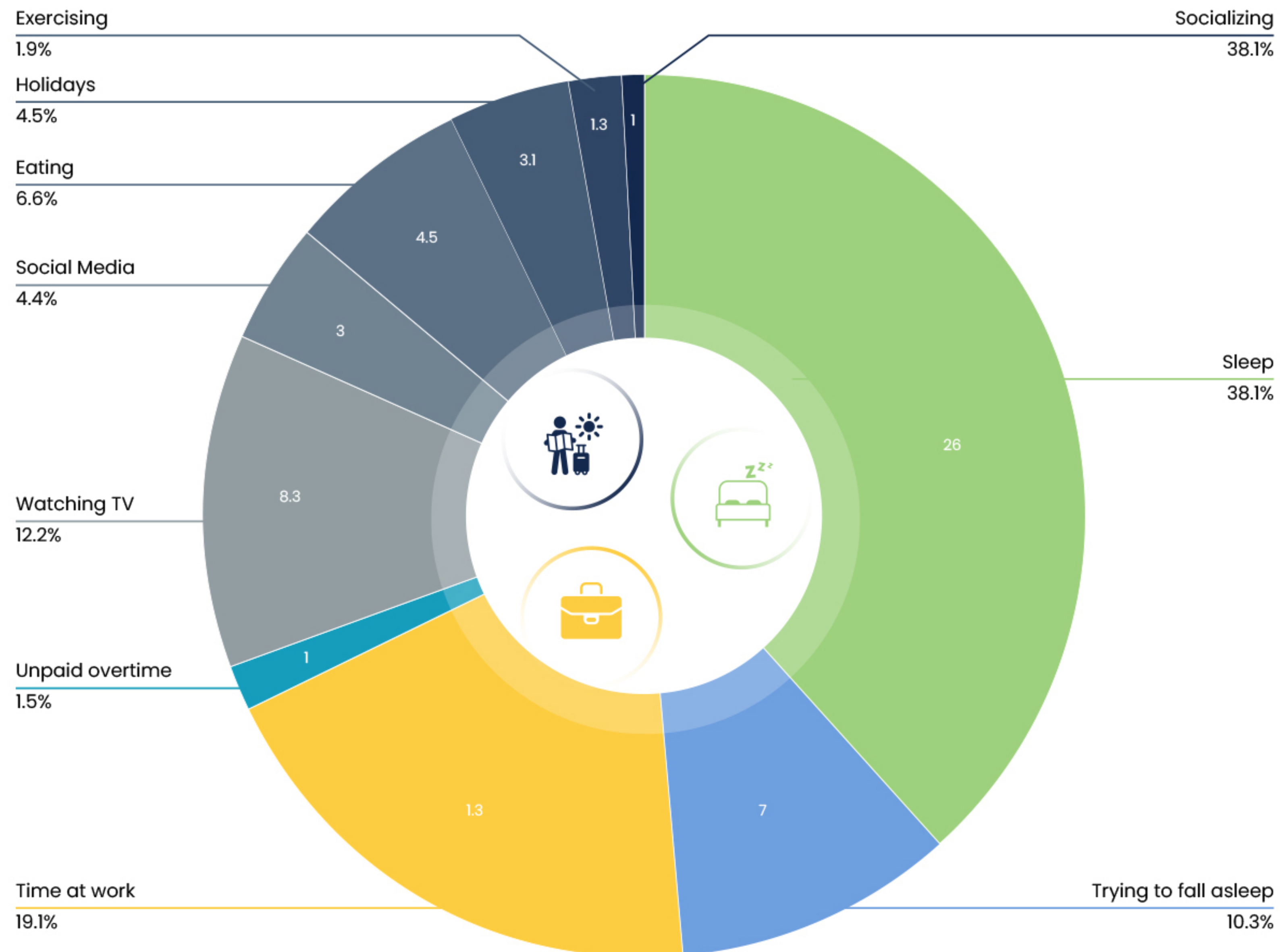


Use responsibly sourced build materials



Create and implement client-specific biophilic design solutions

What we spend our life (In Years)



KEY PRINCIPLES OF SUSTAINABLE OFFICES



BUILDING AND OFFICE & DESIGN

Green Buildings
Energy efficiency
Employee well being

CONSTRUCTION & BUILDING MATERIALS

Minimal usage of
materials Minimal
waste Sustainable
materials People

FITOUTS AND PRODUCTS

Productivity
Functionality
Sustainability

SUSTAINABILITY

IN PRODUCTS



Material use

Incorporate recycled content into our products, reduce the use of non renewable materials, and consider resource scarcity risks as part of material selection.



Standardization & modularization

Incorporate recycled content into our products, reduce the use of non renewable materials, and consider resource scarcity risks as part of material selection.



Packaging & accessories

Use recycled and renewable packaging materials, reduce foam and plastic use, move toward fiber-based designs, eliminate unused accessories, and increase packaging efficiency.



Smart energy consumption

Improve product energy efficiency through activity-based power and power management features.



Disassembly, repair & reuse

Design products with easily separable components that use similar materials to facilitate reuse, repair, remanufacturing, and recycling.

SUSTAINABLE MANUFACTURING



MANUFACTURING

All our pods are manufactured in Tampere, in Tampere, Finland using 100% renewable electricity, and our factory logistics are operated on biogas and renewable diesel. The material efficiency rate of our production was 94.9% in 2022. Virtually no waste goes to landfill.



**40% Less GHG intensity
compared to 2010**



1MW solar array powered carpet tile manufacturing facility

In 2013, Shaw installed a 1 megawatt solar array atop its carpet tile manufacturing facility in Cartersville, GA (Plant 15), which generates enough clean energy to power 100 homes in Georgia annually.

We've changed the course of our operations with two recent agreements to purchase renewable energy for MillerKnoll campuses in Spring Lake, Michigan and East Greenville, Pennsylvania. Both facilities are now sourcing 100% hydropower and wind energy—together accounting for 25% of MillerKnoll's total energy use.



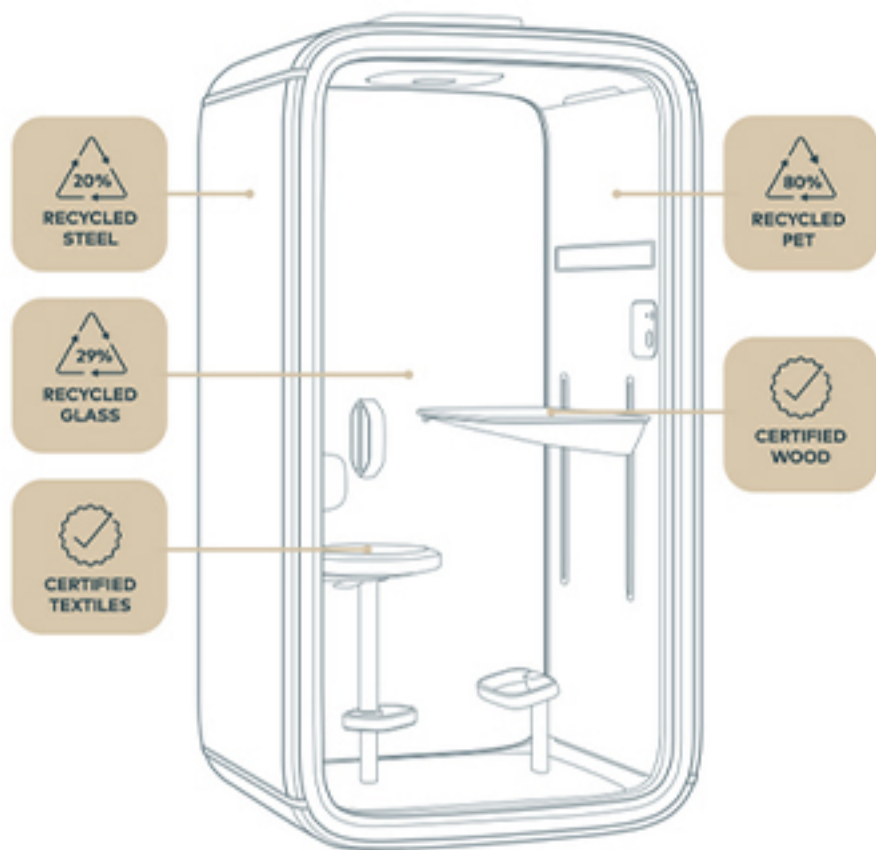
Sourcing renewable energy

Increasing recycled content

Thinking long term about tomorrow defines what we do today. We are a founding member of [NextWave Plastics](#), a consortium of brands dedicated to using ocean-bound plastics in their products. In 2021, Herman Miller announced ocean-bound plastic incorporation for the Aeron Chairs. By incorporating ocean-bound plastic in the Aeron Chair, more than 54 metric tons of mismanaged plastic waste was diverted from entering the ocean at the end of fiscal year 2022. Other examples include Muuto's Fiber Chair, which uses 80 percent recycled material and Herman Miller's Eames Shell Chair, composed of 100 percent post-industrial recycled plastic.

Sustainably harvested materials:

MillerKnoll is dedicated to reducing environmental impacts by protecting against deforestation and forest degradation. We take action to reduce and remove deforestation and forest degradation from operations and supply chains by requiring FSC certification throughout our supply chain. It's never been more important to address deforestation and carbon emissions.



More than 20 years invested in EcoWorx®

For more than 20 years we have invested in material health with our EcoWorx® PVC-free carpet tile backing, the first flooring product to be Cradle to Cradle Certified®.

USING RECYCLED MATERIALS IN PRACTICE



For example, the Fiber Chair Family is an essential part of our product portfolio and with them being made of 100% recycled plastic and wood fibers, they are an ambitious starting point for reducing our use of virgin plastic. In addition, the Sketch Toolbox and the Arrange Desktop Series are made using 100% recycled plastic and the Under The Bell Pendant Lamp is made using up to 40% recycled plastic bottle fibers.



SUSTAINABLE MATERIALS

MillerKnoll

Introduction

Environmental Sustainability

Diversity, Equity, Inclusion

Sourcing better materials

We're focused on using better materials to design and manufacture products. Our Design for Environment (DfE) team works to meet all regulatory compliance standards for products, and we also strive to meet our customers' needs for healthy, sustainable products and spaces. Dedicated work across our company includes regular life cycle assessments (LCAs) of our products to measure environmental impacts.



Nearly 90% products we manufacture are Cradle to Cradle Certified®

And it is Shaw's goal to have 100% of products Cradle to Cradle Certified by 2030.

LEVEL 3

This regulation is widely implemented in the North American market and serves as a reference for architects, designers and interior designers when choosing more sustainable furniture. With the LEVEL® certification, our clients are assured of having commercial furniture that exceeds the ecological certificates. It should be noted that Andreu World is the first European company to achieve LEVEL® certification.



FSC®

Andreu World has been the first design furniture company to have the full range of its wood collections with FSC certification.

↓ FSC® certificate: FSC-C007046

↓ FSC® list: FSC-C007046

SUSTAINABLE SUPPLY CHAIN



LOGISTICS

We have logistical hubs in Singapore and the USA, reducing air freight and allowing us to load our shipping containers more tightly. The products are made following each order, so their modularity also helps with this.

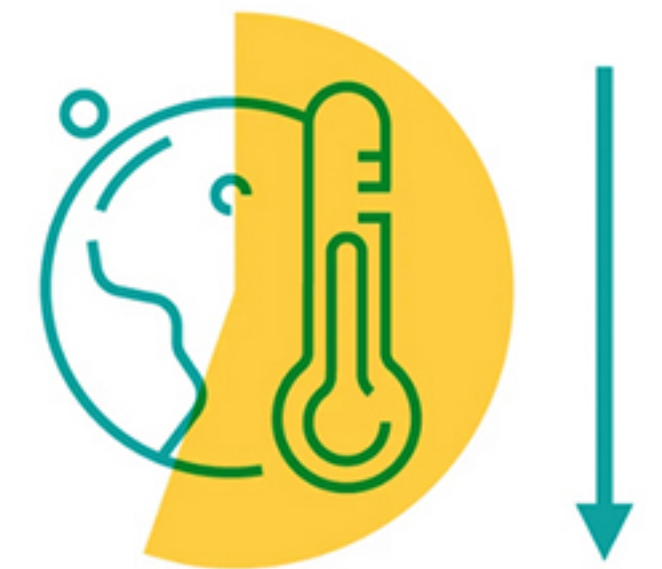


100% carbon neutral commercial carpet operations globally

Shaw has achieved carbon neutrality in our commercial carpet operations (since 2018).

From Fossil Fuel to Biogas – Everyday Actions Matter the Most When Minimizing the Carbon Footprint

Learn how Framery reduced its carbon footprint by 90% with biogas-powered trucks in collaboration with logistics partner Kaukokiito. [Read more here.](#)



Over 50% reduced operational carbon footprint compared to 2010

As a result of Shaw's investments to help reduce our energy and GHG impact, we have cut our Scope 1 & 2 emissions by more than half since our 2010 baseline.

Relationships remain at the heart of our business. Suppliers are expected to behave in a way that is ethical, environmentally sustainable, and socially responsible. In 2023, we revised our supplier scorecard to prioritize sustainability. Now, suppliers are evaluated based on how they support our environmental goals, alongside metrics like cost, quality, and reliability.

We are constantly pushing ahead, seeking new partnerships and cutting-edge technologies. In Europe and the Asia Pacific region, HAY has engaged Maersk ECO Delivery to address the everyday business need of transporting products across the ocean in a low-carbon way. As part of HAY's ongoing CO₂ reducing initiatives, we developed a more sustainable foam for About A Lounge (AAL) and Uchiwa chairs. By replacing the existing polyurethane from fossil fuels with a biomass-based polyurethane made from renewable raw materials, we contribute to saving limited resources and reduce our environmental impact. The quality of the product remains the same, but it is produced with 80-82% less carbon.

FINISHED GOODS

Designing out waste:

We're inspired to raise the bar across our industry for designing out waste. Since FY 2021, we have reduced packaging waste by 40% at 14 of our global manufacturing facilities. We've done this by substantially reducing all types of waste, replacing foam packing materials with paperbased content, and decreasing single-use plastic packaging.

DESIGN

The design of our products is crucial, as it determines the life-cycle impacts that follow. We maximize our products' life cycles through timeless design, excellent soundproofing and durable high-quality materials. Our modular design concept enables the circular economy: our products are easy to repair and refurbish, and can be recycled at the end of their life cycle.

Circular Industrial Ecology

We are committed to achieving 100% of materials and processes in the circular economy by 2025. It is an unavoidable commitment in the face of huge global problems such as the depletion of natural resources, pollution and climate change. Maintaining a balance as an ecosystem is what will sustain us.

WATER-BASED LACQUER

Instead of traditional PU-based lacquers, we use a water-based lacquer as it emits fewer harmful chemicals. That, in turn, contributes to a healthier indoor climate and better working conditions in the production phase. Water-based lacquer also minimizes waste during production. Today, more than 808 of our wooden furniture is made using water-based lacquers.

TEXTILES & FOAM

OEKO-TEX sets high safety standards for materials tested for harmful substances. That's why we use OEKO-TEX foam for the majority of our upholstered furniture. What's more, the majority of our textiles are sourced from the Danish textile manufacturer, Kvadrat which has received the EU Ecolabel. A certification synonymous with environmental excellence and promoting a circular economy, their criteria encompass the entire lifecycle of a product from raw material to disposal.



28

tons of expanded polystyrene eliminated by adding 50% post-consumer recycled content to plastic bags at our Greenhouse manufacturing facility



127

metric tons of recycled materials have been incorporated into our packaging

CLOSING THE LOOP

Embracing circularity:

According to the U.S. EPA, more than 80% of used furniture is sent to landfills. In the U.S., MillerKnoll's [RePurpose](#) program gives unwanted furniture a new home—we diverted more than 1,500 tons of used furniture from the landfill and helped 300+ nonprofits and community organizations with furniture donations. And in the U.K, all NaughtOne products can be recycled through a take-back program.

WE BUYBACK@WPS



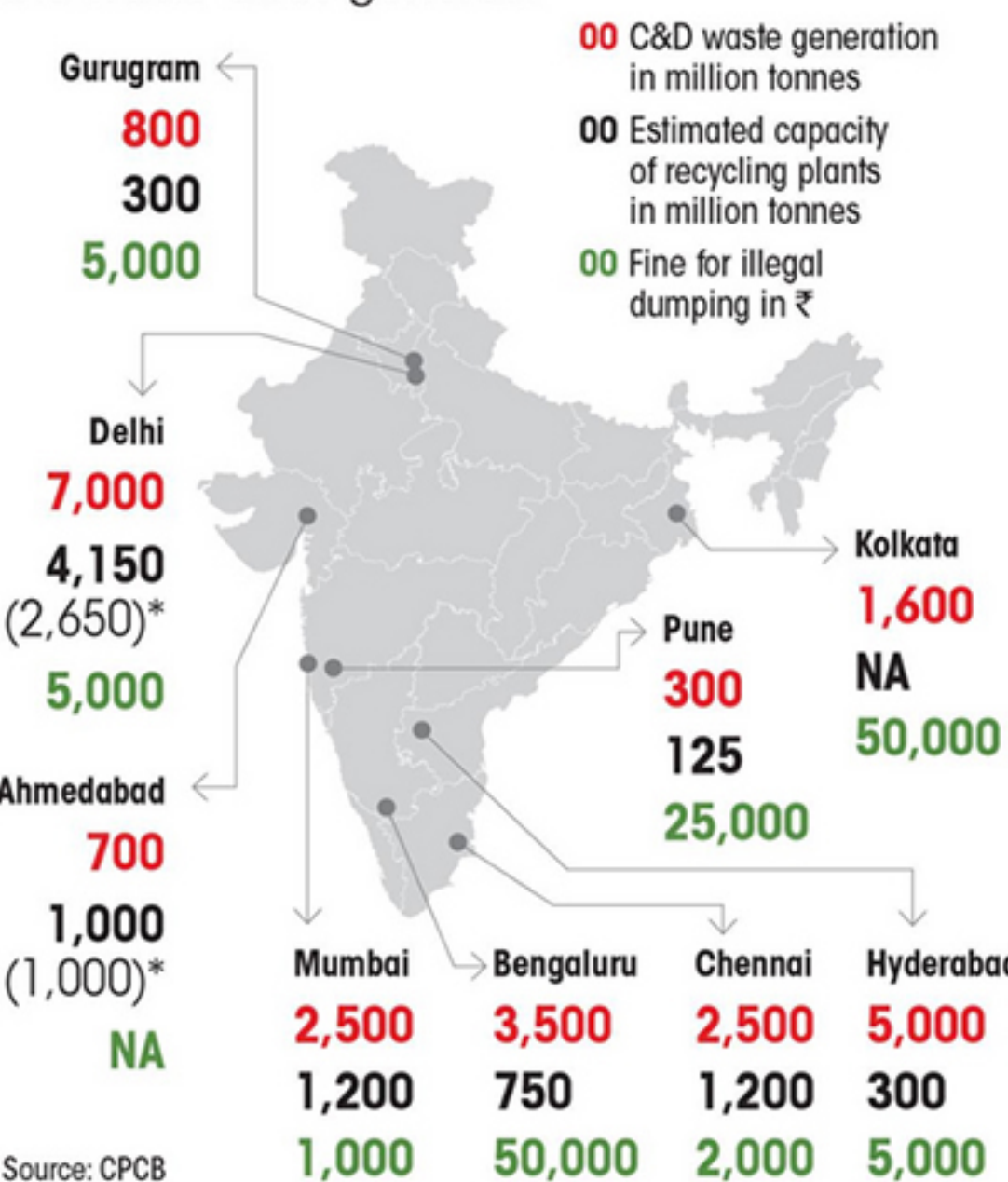
RECYCLE

Our products are recyclable and recycling instructions are available, but the vast majority of the pods manufactured over Framery's 13-year history are still in use today.

Since 2006, Shaw has reclaimed and recycled almost **1 BILLION POUNDS** of carpet - including EcoWorx.

Ill-equipped to recycle

Plants do not have the capacity to manage the waste cities generate



Source: CPCB
*Additional capacity of plants in the pipeline.
All figures are based on the capacity of the proposed recycling plants except for Delhi and Ahmedabad, which have already set up their plants.

BE PART OF THE CYCLE!

HOW CAN ECOWORX® CONTRIBUTE TO YOUR SUSTAINABILITY GOALS?

EcoWorx®-backed tile and broadloom products are Cradle to Cradle Certified™ Silver. Additionally, EcoWorx® carpet tile uses 40% less mix of fiber and backing, energy in production and weighs 40% less. Most significantly, EcoWorx® is backed by an Environmental Guarantee for free reclamation and recycling. This reclaimed product becomes our raw material. As they say, what goes around comes around,



- 1. ECOWORX® CARPET TILE**
THE FIRST STEP = THE FINAL PRODUCT
Start the way you mean to finish—our 100% PVC-free backing is made from thermoplastic polyolefin compound that's light and strong. Beautiful, inside and out.
- 2. PROCESS IN PROGRESS**
SHREDDED FIBER AND BACKING
Once the carpet tile is returned, it is processed at Shaw's facilities - the material is shredded into a rough mix of fiber and backing.
- 3. RE-EXTRUDED ECOWORX® PELLETS**
PELLET PRODUCTION
The material is extruded into pellets that are used to make new EcoWorx® carpet tile backing.

**LET'S BE DELIBERATELY
SUSTAINABLE!**



REFERENCES

<https://clockify.me/time-tracking-statistics>

https://www.cisco.com/c/m/en_us/about/csr/esg-hub/environment/product-sustainability.html

<https://www.wellcertified.com/certification/v2/> <https://us.allegion.com/en/solutions/by-requirement/sustainable-building-solutions.htm>?

gclid=CjwKCAjwkNOpBhBEEiwAb3MvvXeXZ-IGNCwQUzoPFxkgCd1oG4MPTnVexidZkW1 pJG9BN85VbO-hoCEUYQAvVD BwE <https://bregroup.com/products/breeam/>

https://www.ie-uk.com/blog/what-is-a-ska-rating_ <https://www.oktra.co.uk/insights/how-to-design-a-sustainable-office/> <https://waste4change.com/blog/the-triple-bottom-line-of-sustainability-in-waste-management/>

<https://andreuworld.com/en/about/sustainability>

<https://www.muuto.com/sustainability/>



From fossil fuel to biogas - everyday actions matter the most when minimizing the carbo...

Learn how Framery reduced its carbon footprint by 90% with biogas-powered trucks in collaboration with logistics partner Kaukokiito. Read more here.



How Putting People First Drives Profits

The best companies see people as more than a mere means to an end, but an end in themselves.

 Forbes / Jan 10, 2015



Green Credentials

NaughtOne is committed to the earth. From our earliest days, sustainability has been prioritised throughout every step of the design process, beginning with

 Naughtone USA / Oct 3

India's recycling capabilities

Sustainable Building Solutions | Allegion

Allegion is committed to offering environmentally friendly products that support global sustainability efforts. Learn about our sustainable building solutions.

 us-commercial



The Triple Bottom Line of Sustainability in Waste Management

Implementing the Triple Bottom Line of sustainability in business is to commit in measuring financial performance,...

 waste4Change / Nov 1, 2021

Product Transparency | Sustainability | Owens Corning Corporate

Product Transparency, Product Certifications and Disclosures

 owenscorning.com

People + Planet

Sustainability means more than just the environmental health of our products and our operations.

 ShawContract

THANK YOU

— SO MUCH

📞 9900135515

✉️ INFO@WORKPLACES.COM

🌐 WWW.WORKPLACES.COM

📍 8/4, ULSOOR ROAD, BANGALORE - 560042