

3XN Environmental Management Policy

3XN is an international firm practicing contemporary architecture, urban planning, research and innovation. 3XN currently employs over 140 talented architects, researchers, anthropologists and design professionals dispersed throughout our offices in Copenhagen, London, New York, Stockholm, and Sydney under the leadership five Senior Partners and nine additional Partners.

We understand the impact that the construction industry has on our natural environment and for this reason we consider it our duty and responsibility to implement strategies and policies within our office and to our services and projects that protect and enhance the natural environment for the greater good and for our future generations.

Safeguarding the environment for future generations

Safeguarding the environment for future generations is one of the great challenges of our time. We all have a shared responsibility to keep developing and rethinking our work processes and how to design our workspace more efficient and sustainable. As design/build consultants we take this challenge seriously and offer a sustainable-build concept which does not just address sustainability on a par with other official requirements – for us it is also very much a question of feeling a social responsibility. This applies to all projects that 3XN, as architects design and build, but it also applies to how we operate as a company and the general attitude of each employee.

As Denmark has one of the world's toughest environmental building codes, 3XN has had to set the bar high when we move into our new 2.000m² office space in December 2014. Located in the listed Gunboat shed in Holmen, Copenhagen we took a holistic approach when re-designing the space to meet the tough Danish building codes. Certain exemptions had to be made because the building was listed but 3XN tried as much as possible to make our workspace efficient and sustainable.

3XN sustainable office initiatives and design includes:

- 100 % natural ventilation in our entire office
- FSC certified bamboo floors in the entire office except from washrooms
- Using as much daylight as possible
- LED energy efficient lighting
- Energy efficient windows
- Recycling of our waste material, in particular paper. We subscribe to a waste management company to recycle our waste
- 80 % of the employees bike to work every day
- 10 % of the employee take public transportation (metro, regional train and bus)
- Catered lunch every day which means no waste from take-away food and beverages
- Energy efficient tap for hot water means no energy is wasted for water kettles
- Pre-set double-sided printing on paper
- Minimizing waste at the model workshop by using a laser cutter that can optimize material usage
- Recycling of old models and materials in the model workshop
- Water efficient tap and flush at washroom
- Water efficient dishwasher at kitchen

Integrated sustainability in our design process

In addition to our company environmental management policy, 3XN set up an in-house R & D sustainability and innovation unit called GXN to develop a balance between sustainable research, new material and new technology. This unit is from 2007 and functions as the internal sustainability department in 3XN as well as an external advising consultancy. The mission of GXN is to scour the planet for the latest in sustainable technologies and materials, and to recommend their implementation within the projects of the 3XN studio. Working in partnership with innovative industries, materials researchers, engineers,

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computer scientists, etc., GXN is now leading the way in new sustainable solutions in architecture and is currently functioning as a daughter company with its own business line and client. Together with GXN, 3XN always collaborates with some of the best experts on energy and environmentally friendly constructions and we constantly strive to stay on the forefront of developments in this area.

With the research on the latest sustainable solutions from GXN, 3XN will always put sustainability in the forefront of every project. It is a part of our DNA to strive to develop architecture where the sustainable design solutions are deeply embedded in the all aspects of the project. From social synergies, life cycle analysis, material passports, microclimate studies, circular design, design for disassembly to parametric design for geometry efficiency and buildability, it is part of what differentiates us as architects.

Furthermore, in Scandinavia the project planning at 3XN is based on the Danish Environmental Protection Agency's "Handbook in Environmentally Acceptable Planning" and publications from "SBI" (National Institute for Building Research). Environmental questions are via an innovative and inclusive approach therefore implicated in all aspects of our architecture.

A handwritten signature in black ink, appearing to read 'Jeanette Hansen'. The signature is fluid and cursive, with a long horizontal stroke at the end.

Jeanette Hansen
CEO, Senior Partner