

BUILT TO LAST

ECOLOGICAL ARCHITECTURE



Bilingual travelling exhibition



1,500 ft²



Families and general public



Educational program

A CONSTRUCTIVE EXHIBITION!

The exhibition focuses on three thematic areas, each related to an important aspect of ecological architecture:

Design - Materials - Energy.

Animal ambassadors introduce each area and talk about their type of construction. They explain how humans share territory with other species, including some highly skilled builders. These three areas encompass a central worksite zone including a giant play area with some construction workers. A mixed space (human-animal) kicks everything off.



The exhibition provides information on both animal and human constructions. In this period of ecological transition, we must think about making structures that are well built. This involves careful decision-making in relation to design, materials, and energy. A beaver invites the youngest to follow along for some special activities. Go on and make yourself at home!

DESIGN

The first step in any construction, the design area inspires planning and creativity: hand and digital drawing, 3D plans and modelling, inspiration from biological sources.

This area is introduced by spiders and spiderwebs. Just like these fantastic architects' constructions, an ecological building integrates the site's existing natural resources and environmental conditions. The structural design and appearance of the building must also meet the needs of inhabitants and incorporate solutions to mitigate environmental impacts, energy consumption, and the use of resources.



UNDER CONSTRUCTION

This highly interactive area features construction workers from various trades, located at different points of a large construction site model, naturally integrated into the exhibition. The visitors assemble the pieces to make models of ecological buildings. The construction site was inspired by the great circle in the middle of the village of Oujé-Bougoumou where there are several ecological public buildings, including the Aanischaaukamikw Cree Cultural Institute. The Cree name Oujé-Bougoumou means “place where people gather”.

FEEL!

To have a true feel for the integration of the exhibit in the natural environment, a biophilic design is used. Thus, the visitor will go through an environment that integrates nature. The shapes will be organically formed. The MNS2 collection pieces will be integrated with the decor to establish harmony as a whole. A soundtrack will provide the illusion of being outdoors.



MATERIALS

A hands-on area that has many samples; the hardware needed for ecological construction! This area is introduced using birds, including their nest. Focus is placed on the various materials.

The birds must be comfortable enough to incubate eggs and raise chicks. Construction materials for ecological buildings must also provide comfort and insulation.

Sustainable building materials must come from renewable sources and be recyclable.

ENERGY!

An area that is more technological, where we feel all the complex dynamics of energy exchange. The temperature of a wasp's nest is critical to their survival. Just as these nests, air exchange as well as energy efficiency in green buildings must be adapted for changing climates. One of the main objectives of ecological architecture is energy efficiency.



INFORMATION

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