

The image features a logo for 'mobile eco enclosure' (mobeE) overlaid on a background of straw. The logo consists of the word 'mobeE' in a stylized, rounded font where the 'm' is teal, 'o' is green, 'b' is orange, and 'eE' are yellow. Below this, the words 'mobile eco enclosure' are written in a smaller, grey, lowercase sans-serif font. The background shows a close-up of straw with a person's hands and white fabric visible, suggesting a natural, eco-friendly setting.

mobeE  
mobile eco enclosure

Naturally built portable classrooms for temporary quarters, “living” learning centres and core classrooms.

# imagine... ..

a portable classroom that your school can be proud of — where students are safe and comfortable, where it's warm in the winter and cool in the summer, where the air is always clean and fresh, where teaching staff actually compete for a turn to hold their classes.



by



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Evolve Builders Group Inc is an award winning, innovative firm frequently sought out by academic, government and industry partners to help bring great new ideas to market.

Evolve now fabricates unique portable classrooms with an array of techniques spanning from natural and renewable materials to ultra-modern design and high-tech features.

The result is a learning space thoughtfully enclosed by ideals of health, sustainability, and energy efficiency. It's more than just a classroom. It's a ready-made lesson in life.



# mobEE

m o b i l e e c o e n c l o s u r e



I think the **mobEE** portable really helped ignite the class's passion for the environment.



Paul Scinocca, Operations Officer, UGDSB



**mobEE** is a unique portable classroom that merges straw bale building and other natural building techniques with state-of-the-art construction technology. The result is a learning space thoughtfully enclosed by ideals of health, sustainability and energy efficiency.

“Parents and School Board officials are impressed every time they visit. We’ve even had local politicians come to see it,” says Meghan Mintz, Grade 6 Teacher, Rockwood Centennial Public School of their first **mobEE**.

Developed in conjunction with the Facility Department of the Upper Grand District School Board, at a fraction of the cost of a school addition, **mobEE** provides premium, permanent-quality space and earns plaudits from all stakeholders.

**mobEE** is comfy. The walls contain high performance cellulosic insulation – a.k.a. straw bales! “In the winter it is absolutely cozy,” says Mintz “in three years I don’t think we have ever had to turn on the supplemental baseboard heaters.”

**mobEE** is healthy. Finishes with low- or no-VOCs are but a starting point. Natural paints and no-wax linoleum tiles possess anti-static and naturally antimicrobial properties, allowing you to easily clean with natural or mild cleaning products.

**mobEE** is hardy. 3 cm thick cementitious plaster – inside and out – can handle rugged use by children in the classroom and can weather all the elements of the Canadian climate on the exterior.

## mobEE UNIQUE FEATURES

- ✓ Fire resistant straw bale insulation
- ✓ Glass viewing window into wall core
- ✓ Structural insulated panel floor & roof rated R29
- ✓ Fibreglass framed windows with invisible coatings to retain or reject heat as is ideal plus special thermal spacers between glass panes for even greater energy efficiency
- ✓ Natural, vinyl-free, waxless, antimicrobial linoleum flooring
- ✓ Mineral based wall paints, in and out
- ✓ LED warm-white light fixtures
- ✓ Wood soffit with natural finish
- ✓ Steel roof with recycled content or low emissivity white roof membrane

## mobEE SELECT OPTIONS

- ✓ Solar hot air collectors
- ✓ Solar photovoltaics
- ✓ Combination air-exchanger/heater
- ✓ Air conditioning
- ✓ Custom architectural flooring patterns
- ✓ Custom colour-matched paint scheme
- ✓ Coat rack and black, white or tack board packages
- ✓ Curriculum-specific lesson plans



**mobeE**  
mobile eco enclosure

“After three years of use, our portable looks the same as it did the day it was built. On the inside the kids have given it a little ‘personality’ but it really has held up beautifully!” says Ms. Mintz.

A solid, painted steel undercarriage designed for multiple relocations makes our portable classrooms a sound investment that will serve your school well for years to come.



**mobEE**  
mobile eco enclosure

**mobEE** Model 'G' with linoleum floors, LED lighting and optional blackboard and heat exchanger packages.



Yes,  
**mobEE** is  
made of  
straw!

Educational viewing window into  
**mobEE**'s signature straw walls.



**mobEE** Model 'G' with linoleum floors, LED lighting and optional blackboard and heat exchanger packages.





## Superior Wall Systems

Plastered straw bale construction reduces temperature and humidity fluctuations, conserves winter warmth and resists summer heat. Walls are fire resistant to the same degree as concrete blocks.



## High Efficiency Windows

Industrial strength fibreglass frames, specialized coatings for heat retention/rejection and thermally separated panes to eliminate condensation all make for a bright and comfortable classroom.



## THE G-MODEL

- The quintessential portable classroom, ideal as a stand-alone structure
- 2/12 gable style roof complete with recycled content steel roof

## THE S-MODEL

- A specialized mono-pitched roof maximizes surface area for potential solar panels or creates one half of a two part pod with a site-built corridor
- 1/12 shed style roof with low-emissivity white roof



# mobilee

m o b i l e e c o e n c l o s u r e



We saw a straw bale insulated portable as a natural extension to our series of Environmental Learning Centres.



Paul Scinocca, Operations Officer, UGDSB



**m o b e e**  
m o b i l e e c o e n c l o s u r e

## Price. People. Planet.

Your school may never have another opportunity to meet so many goals with one easy decision. Earn the praise of parents groups, teachers, custodians, and students alike.



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