

# INVESTNWT

EXPANDING POSITIVE INVESTMENT AND PARTNERSHIPS  
IN THE NORTHWEST TERRITORIES

## MANUFACTURING



## ENERGY WALL™ & BUILDING PRODUCTS LTD. YELLOWKNIFE

GNWT APPROVED MANUFACTURED PRODUCT:

- ROOFING, TRUSSES • RE-LOCATABLE INDUSTRIAL MODULAR STRUCTURES
- RE-LOCATABLE RESIDENTIAL MODULAR STRUCTURES • ENGINEERED HOMES PACKAGES
- CABINETS AND COUNTER TOPS

**ENERGY WALL™ & BUILDING PRODUCTS LTD.** operates a state-of-the-art manufacturing facility in Yellowknife specializing in northern building components and engineered modular homes. It has a large operations facility in Yellowknife, including a state-of-the-art carpentry shop designed for the production of pre-fabricated engineered home packages, engineered floor joist and engineered roof trusses, also kitchen cabinets, countertops, commercial cabinets and millwork.

The company had its origins in the construction of roof trusses but the company's focus has advanced in recent years to encompass the design and production of pre-engineered floor joists, the development of affordable housing technology and an energy efficient building approach designed "for Northerners - by Northerners". They have engineered innovative wall designs using the highest R-value foam insulation in for its proprietary and patented designed Energy Wall™ which has garnered high praise from contractors and the housing industry.



### ENERGY WALL™ & BUILDING PRODUCTS LTD.

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## ENERGY WALL™ & BUILDING PRODUCTS LTD. - YELLOWKNIFE

Energy Wall's contractor-friendly focus is aimed at increasing efficiencies in construction. With competitive prices and high-quality innovative products, their 100% northern owned company is helping home owners, businesses and contractors alike get what they need – a people-friendly building product that is both cost effective and good for the environment.

The Exo-skeletal Insulation System - "Energy Wall™" is a high R-value exterior insulation system comprised of innovative pre-formed and fitting panels that provide a continuous thermal break that is installed on the outside of a structural wall after it has been first wrapped with a moisture barrier. The Energy Wall™, installed as it is on the outside, is not interrupted by floor headers, wiring or pipes and allows all utilities including water lines to be run inside the stud wall on the warm side of the vapour barrier.

Energy Wall™ is designed with holistic approach for building envelope retrofits and as well new building construction where is residential or commercial construction.

Energy Wall™ founder Manuel Jorge's passion for northern-focused construction and manufacturing grew from his experiences when he ventured north from Edmonton to work as a seasonal carpenter in Gjoa Haven. He recognized the opportunity for new construction techniques that better-suited the extreme Northern winters along with northern-based manufacturing to serve the isolated northern construction industry. In 1986, the Jorges (Manuel and Marta) established Northern Homes 3000 – a forerunner to today's Energy Wall™ & Building Products Ltd., based primarily on realizing the cost efficiencies of assembling and shipping building components for home construction into northern communities.

Driven by both a need and a desire to improve the methods, materials and the costs associated with the construction in the North, the Jorges, while growing their own family, have spent 20 years nurturing a new approach to environmentally-friendly and cost efficient housing for Northerners.



Energy Wall™ & Building Products Ltd. employs upwards of 10 employees in Yellowknife - including apprentices. With northern-designed and patented building components, an existing capacity for on-site construction and a passion to improve housing in the North, the Jorges now have a vision of repurposing their Yellowknife-based manufacturing facility as a fully contained plant to meet the North's physical and social demand for affordable, portable and energy-efficient full size and small scale northern housing. "Affordable and healthy homes will be needed forever and ever in the North," Manuel notes, "regardless of where people live."

Energy Wall™ System IS3000, R-19.10 and IS4000, R-32.37 is patented in both Canada and the United States and is the first CMHC building system formally rated for use in Northern Canada.