

Innovation Gone Green.

The Ecoplex™

George J. Mongell, Esquire

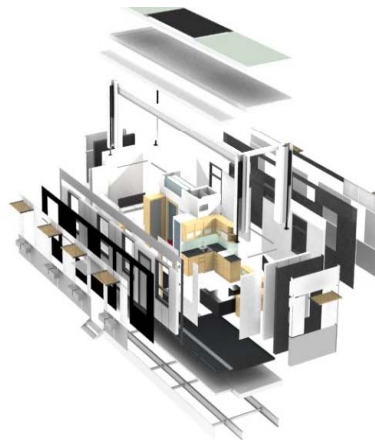
Environmental and Energy Study Institute
Sustainable & Affordable: New Options in Factory-Built
Housing

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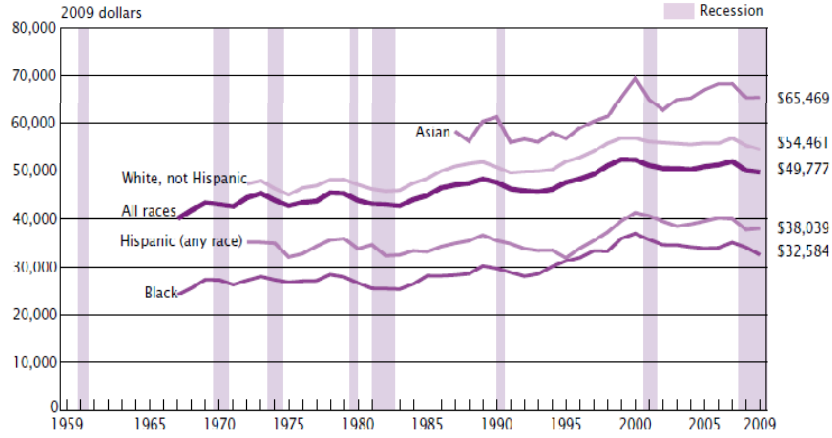


Terradime Modular

- Pittsburgh-based enterprise focused on energy efficient innovations.
- Desire to provide the world with sustainable and healthy working and living structures.
- Intend to be the world's leader in designing and developing green structures and technologies.



Real Median Household Income by Race & Hispanic Origin: 1967-2009



Source: US Census Bureau, Current Population Survey 1968-2010 Annual Social & Economic Supplements.

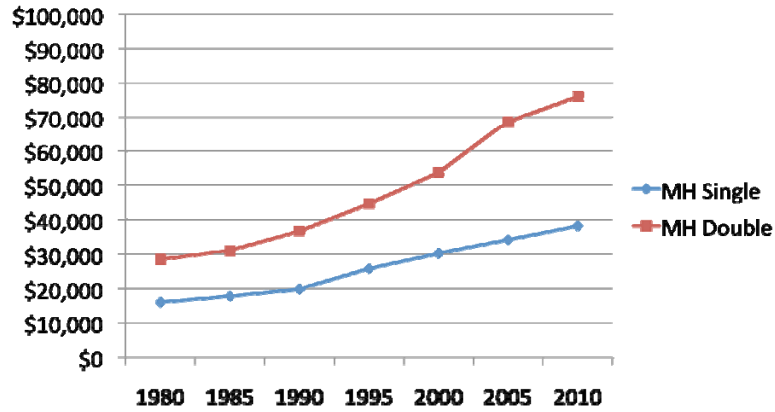
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Historical Trends In Manufactured Housing Sales



Source: MHI (2010 ©): Institute for Building Technology and Safety & US Census Bureau

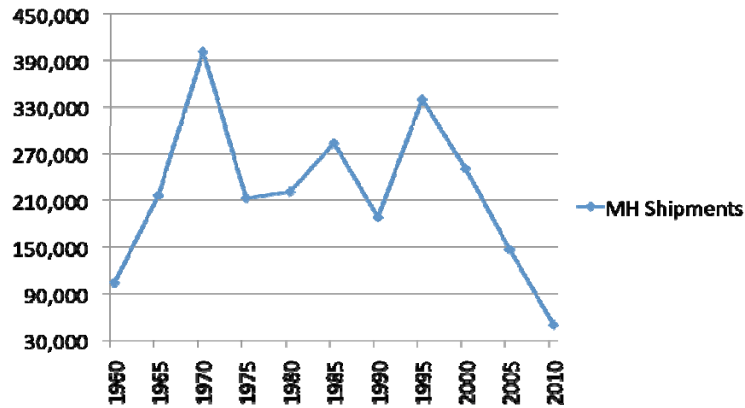
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U.S. Manufactured Housing Unit Sales Trends



Source: Manufactured Housing Institute (1959-1969); Elkridge & Levidge, Inc. (1970-76); Institute of Building Technology & Safety (1977-2009)

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Our Focus: A Kit-of-Parts Approach for Modular Structures

- **Environmental:** Energy and Carbon Neutrality, Zero Waste, Material Conservation and Design for Disassembly
- **Spatial:** Ergonomics, Anthropometrics, Biophilia
- **Health:** Zero off-gassing, "Responsible Design", Superior Indoor Environmental Quality and Healthy Materials
- **Passive:** Natural Ventilation, Daylighting & Climate Specific Solutions
- **Financial:** Cost-effectiveness & Adaptable Design
- **Scorecard:** Develop "Best Practice" Methodologies

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Climate Specific Solutions



Solar PV

Suitable for use in cities with high solar indexes; power generation



Green Roof

Serves as temperature regulator, reduces heat island effect on parking lots



SRI Roof

Reflects light, reduces heating loads

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Ecoplex Exterior Features



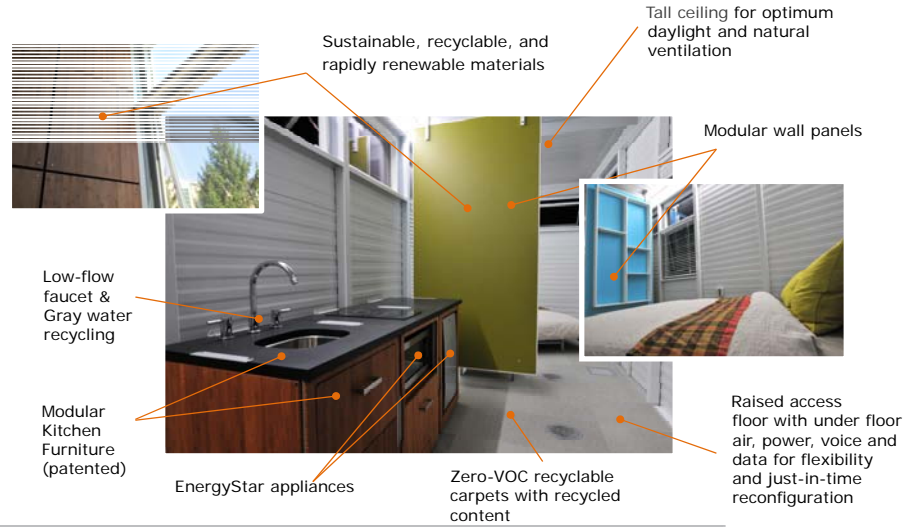
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Ecoplex Interior Features



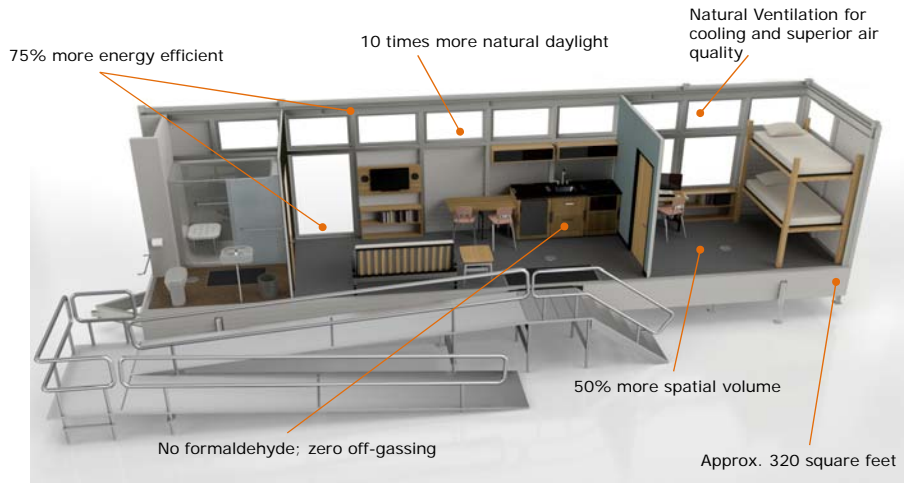
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Ecoplex Housing 1-Unit Module



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Ecoplex Housing 2-Unit Module



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Ecoplex Housing 3-Unit Module



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Stackable Unit



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Terradime's Goals & Future Trends

- Create Enhanced Manufacturing Techniques & Methodologies.
- Incorporation of Renewable Technologies.
- Innovative & Adaptable Designs for Consumer Benefit.
- Partnerships in developing an Integrated Building Delivery System.
- Partnerships with other green companies, non-profit entities, government entities, and other research institutes.
- Partnerships within 500 miles of manufacturing facility.
- Improved Consistency in Building Codes and Regulations.

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Q & A

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