Our Mission // As the Voice of Commercial Modular Construction™, MBI expands the use of offsite construction through innovative construction practices, outreach and education to the construction community and customers, and recognition of high-quality modular designs and facilities.

@rethinkmodular
www.modular.org
What is Modular Construction?

- A **process** that constructs a building off site, under controlled plant conditions, using the same material and designed to the same codes and standards as conventionally built facilities, but in about half the time.

- Buildings are constructed in “**modules**” that, when put together on site, reflect the identical design intent and specifications of the most sophisticated traditionally built facility.
What is Modular Construction?

- Structurally, modular buildings are generally **stronger** than conventional construction because each module is engineered to independently withstand the rigors of transportation and craning onto foundations. Once together and sealed, the modules become one integrated wall, floor and roof assembly.
### Relocatable (Industrialized) Buildings

- About half of the industry revenue is generated from the sale or lease of temporary space.
- Provides market with instant relief for space needs.
- Generally 1 – 7 year requirements on a site.
- Lower cost/price driven.
- Stock/fleet space often available.
- Economy and speed of delivery are key.
- Design considerations are lower.

### Permanent Modular Construction (PMC)

- About half of the industry builds permanent space.
- Provides markets with permanence and performance of conventional construction in roughly half the time.
- Permanent installation with a life cycle expectancy identical to conventional.
- Competitively priced with site built
- Design considerations are higher.
- Can be Type II or Type V.
Markets Served

Permanent Modular Construction

- EDUCATION
- HEALTHCARE
- HOSPITALITY & RETAIL
- COMMERCIAL HOUSING
- OFFICE & ADMINISTRATION
- SECURITY
Process
Process: Indoor Construction or Manufacturing?

- An industry in transition from indoor construction to manufacturing.
- Most modular plants refer to themselves as manufacturers and utilize some form of assembly line process.
- In the U.S. most plants are not highly automated due to overhead concerns and production volume.
- About half the manufacturers make a fairly standard “product” (i.e. the relocatable building segment).
- Growth is coming from the more-customized PMC sector.
Mass Production vs Customization?

- The RB sector is more about production while the PMC sector is more custom.

- Industry asking – how can we more efficiently provide for mass customization?
Offsite Construction

- Modular construction - three dimensional “box” or module with concealed elements constructed or fabricated at an offsite location.

- Modular construction is just one form of “offsite construction.”
Other Offsite Construction Processes

- Roof trusses
- Wall panels
- Structural insulated panels (SIPS)
- Mechanical, electrical, plumbing systems (MEP)
- Precast concrete structures
- Bathroom pods
- Containerized structures
Offsite Construction Expo

September 21 – 22, 2016 ▪ Walter E. Washington Convention Center

The Offsite Construction Expo features exhibits from offsite construction contractors, traditional contractors that have integrated offsite methods, offsite factories, transportation companies, architects, engineers, BIM suppliers, materials suppliers, and consultants of all types of offsite construction processes. Additionally, OSCE provides educational insights into offsite construction with multiple case studies presented each hour on the expo floor. **There simply is no greater opportunity to reach key partners in the offsite construction industry.** Register at: [offsiteconstructionexpo.com](http://offsiteconstructionexpo.com)