



Build Smart, Build
Modular.

***Making Housing Beautiful and Affordable
for Schools and Communities***

***Saving people time
and money without
sacrificing quality***

WELCOME



OVERVIEW

Who
We Are

Our
Experiences

Case
Studies

Lessons
Learned

Best
Practices

When To
Use Modular



Redefining Modular™

- ✓ Established in 1981
- ✓ A pioneer in modular construction
- ✓ Exclusive volumetric modular builder and construction manager
- ✓ Design-Build
- ✓ Specialty – budgeting, planning and implementing
- ✓ Focus on lean and simplification to improve value for owners



Build Smart, Build Modular.

- ✓ Established in 2001
- ✓ 10+ project completed in partnership with Triumph
- ✓ Corporate office and factory located in South Paris, ME; a second factory in Oxford, ME
- ✓ Specialize in residential, mixed use, multi-family and dorms



Modular is expected to reach \$130 billion globally by 2030.

McKinsey & Company

Off-site construction is a top 2020 trend in the construction industry.

Building Radar

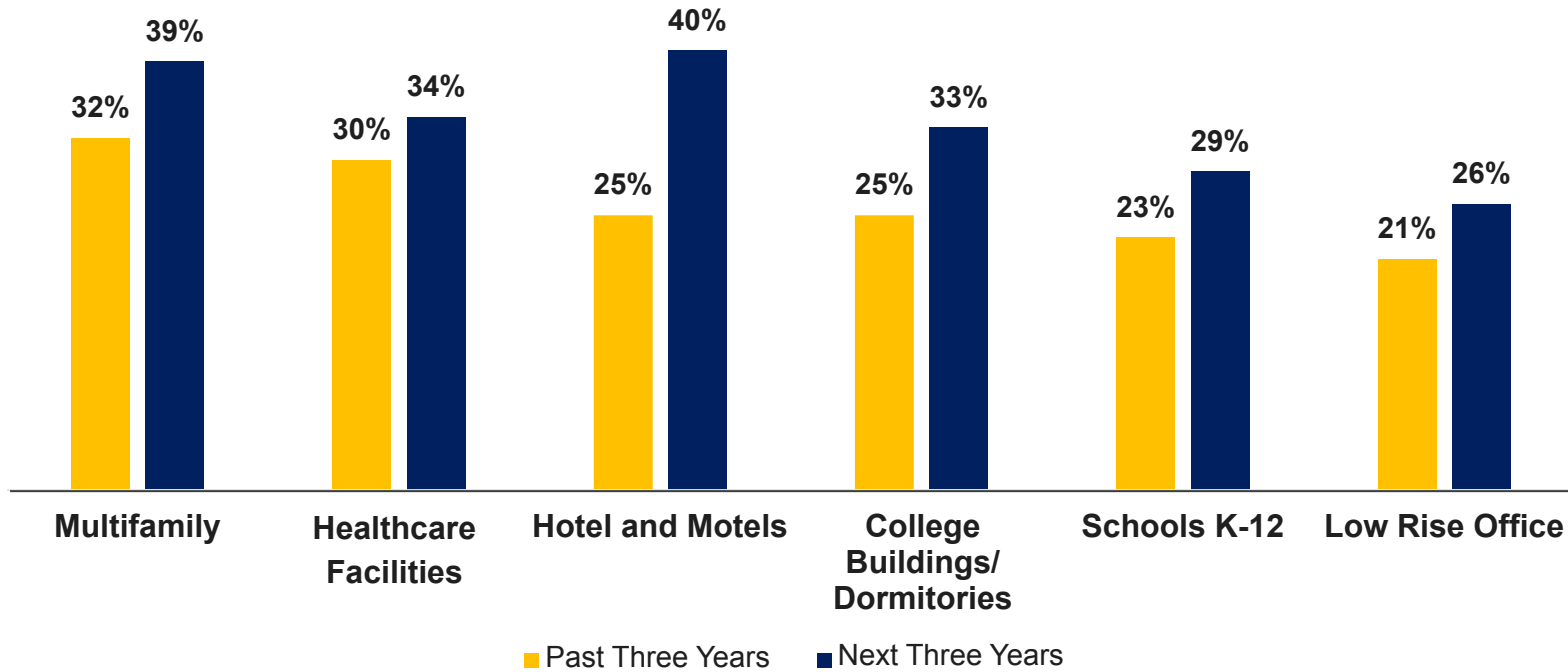
91% of off-site construction is prefabrication, followed by modular construction at 78%.

FMI

Modular construction can reduce project timelines by as much as 50% and costs by as much as 20%.

McKinsey & Company

Building Types Likely to Use Permanent Modular Construction





**Build Smart, Build
Modular.**

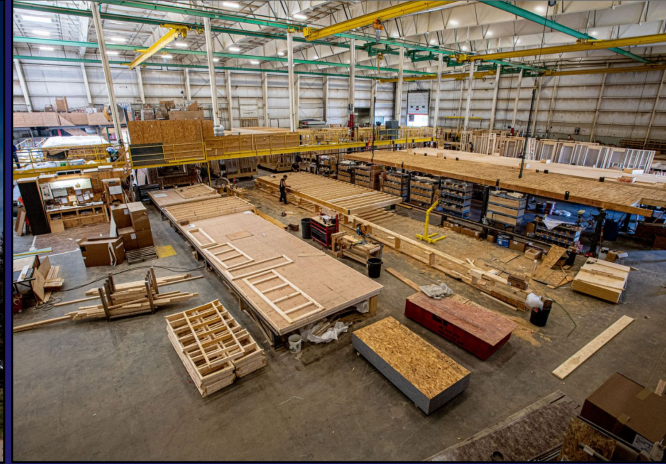
- **Affordable Housing**
- **Workforce Housing**
- **Cluster Housing**
- **Townhouses**





**Build Smart, Build
Modular.**

KBS Factories
South Paris, Maine
Oxford, Maine





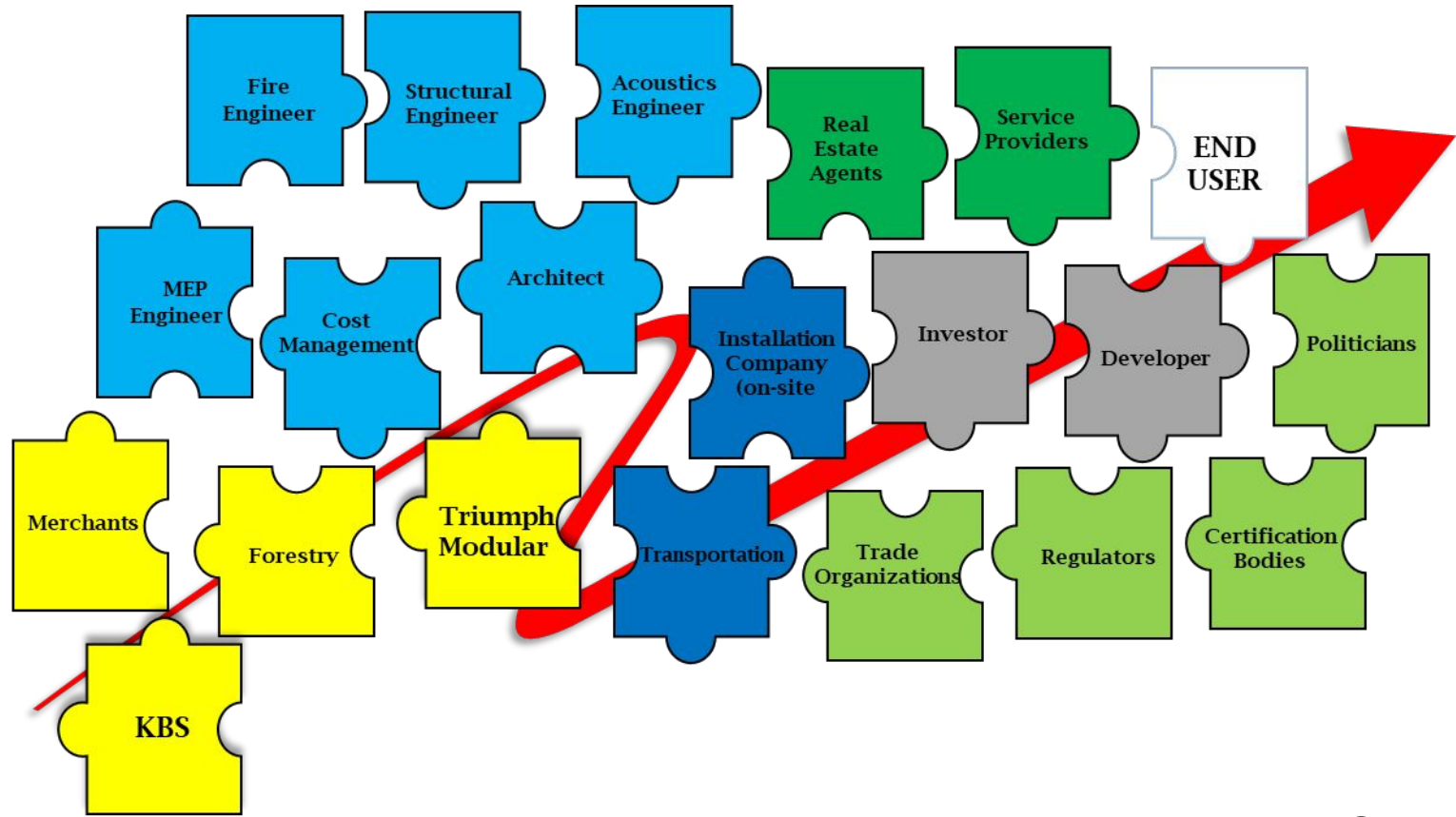
CONSTRUCTION IS COMPLEX

**BY USING MODULAR
WE ARE SUCCESSFULLY
OVERCOMING COMPLEXITY**



**CONSTRUCTION IS RIPE
FOR STANDARDIZATION**

**MODULAR-ORIENTED
PROCESS CREATES
SAVINGS**



Taming Complexity



Case Study

LexHAB

Lexington, Massachusetts

- 8 months start to finish
- On full foundations
- First level ADA compliant
- Each unit has three apartments

Achieved near "Net-Zero" energy impact by using solar panels and high efficiency materials and construction techniques



LexHAB:
An example of
saving money
without
sacrificing
quality

Collaborative
Planning

Team
Approach

Adaptable
Architect

Site
Contractors
involved in
Design
Process

Installers
involved in
Design
Process



The LexHAB Project Became Financially
Viable Because
Of These Adaptations





Case Study

**Nantucket Islands Land Bank,
Miacomet Golf Course
Dormitory**
Nantucket, Massachusetts

- 10 modules: 3857 ft
- Time: 6 months
- 12 single bedrooms
- Shared common space, kitchen, living/dining and laundry facility
- Historic commission approved design
- On full foundation
- Significant logistical challenge to transport modules by barge to the island



Nantucket: An example of saving money without sacrificing quality

Conceptual
Design And
Programming
Provided By
Owner

Modular
Experts
Guide
Systems
Design

Owner's
Architect
Hired to
Approve
Design
Details

Owner's OMP
Ensured
Design Criteria
Was Met

Project
Benefited
from the
Factory-Built
Model

Value
Engineered
the Building,
Working
Together



Leveraging What We've Learned

**The strength of the team is each individual member.
The strength of each member is the team.**

Phil Jackson



Repetitive Team: Architect And Engineering Modular Experts



Arthur Klipfel
GreenStaxx Design
President and CEO



John Winslow
Winslow Architects
Principal





How Modular-Oriented Design Can Be Applied

Student Housing





Completed Student Housing Project

Trinity College

52 room, 3 story student housing model



EVATON

Pre-Designed Student Housing

62 room, 3 story student housing model



Architect-Designed Library

First Floor

**Saving
people time
and money
without
sacrificing
quality**

**Cost
Savings**

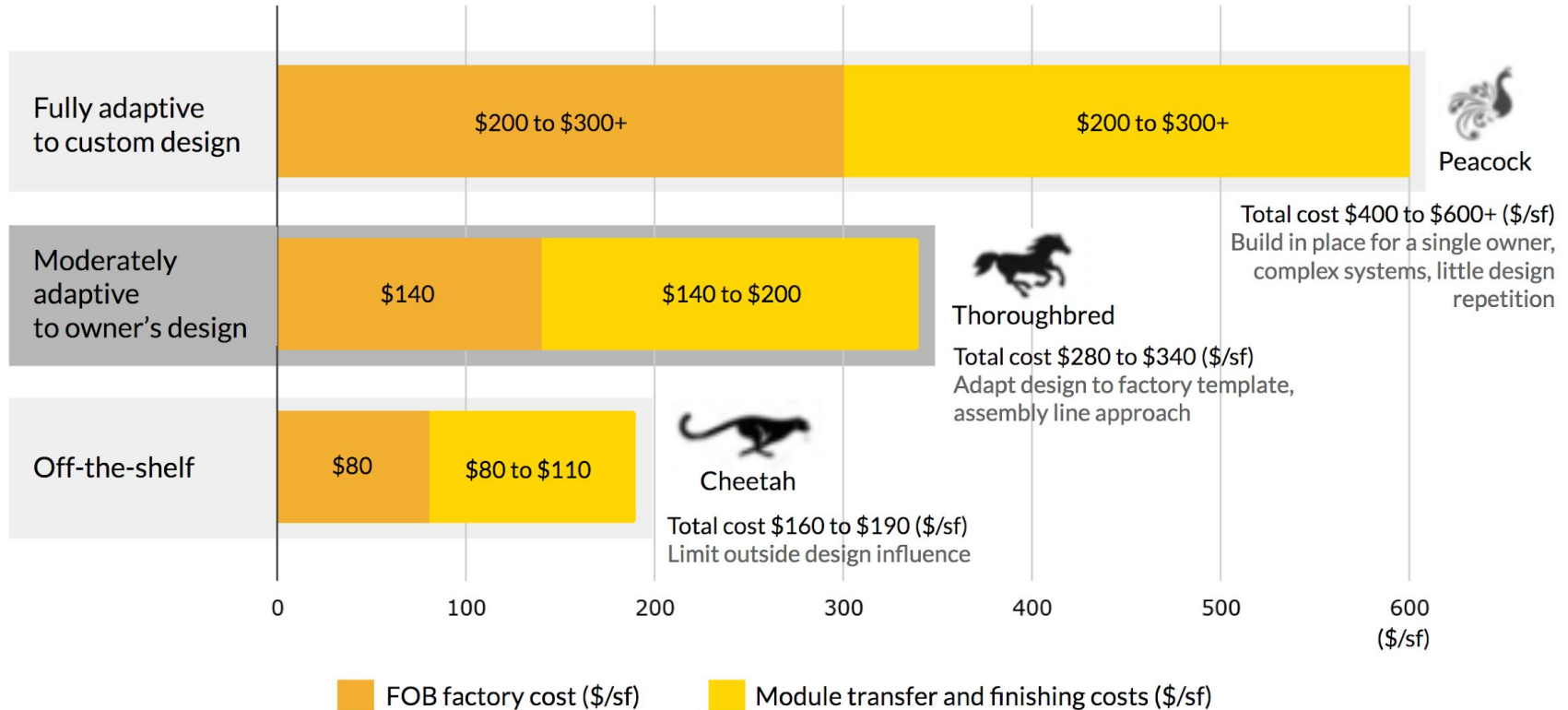
**Cost
Predictability**

**Schedule
Certainty**

**Faster
Budgeting**

**Accelerated
Construction**

Modular Approach / Cost Options





***Making Housing Beautiful and Affordable
for Schools and Communities***

Glenn Cort
gcort@triumphmodular.com

Matt Sullivan
msullivan@kbs-homes.com

***Saving people time
and money without
sacrificing quality***