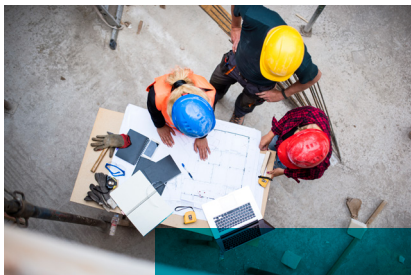


# The Rise of Permanent Modular Construction in North America



## Top drivers of PMC growth

Permanent modular construction (PMC), or offsite construction, is not a new concept but there are two key factors that are driving builders to take a more serious look. First are the number of challenges currently facing traditional construction, including a lack of available skilled labor, compressed project timelines and a push for lower costs. Second is the increased desire for more sustainable building practices.



The PMC market is expected to reach USD 44.37 million by 2025<sup>1</sup>.

## The Benefits of PMC for residential and commercial structures

### Automation: Less dependency on skilled labor

In offsite building, much of the construction process is automated. This means you can train current employees to perform the tasks rather than rely solely on skilled labor – a benefit that is especially welcomed during the current labor shortages.

### Productivity: Up and running sooner

By moving much of the construction cycle indoors, weather and seasonality issues are negated, and as a result there is little weather-related downtime. With greater control over timelines, there is also less time spent waiting on subcontractors to arrive on site.

### Quality: A more controlled environment

Construction in a climate-controlled environment reduces pollutants and allows for more stringent quality control measures. For example, because components are built and tested separately, there is better overall performance.

### Sustainability: A greener way to build

Building off-site reduces waste since many PMC builders can reuse unused materials. PMC builders also choose more ecologically sustainable materials such as stone wool insulation for its natural water-, fire- and weather-resilient properties and stable R-values.

### PMC can reduce timelines up to 50%<sup>2</sup>

With PMC, construction offsite can start while the concrete is being poured onsite, cutting significant time off the project schedule.

#### Traditional Construction



#### Permanent Modular Construction



#### The future of PMC

In the past, PMC was seen as lower quality despite evidence to support otherwise. Today, as the industry continues to educate the public on their use of higher-performing materials such as stone wool insulation, greater design flexibility and speed to market, its ultimate value both in terms of efficiencies and sustainability will see the industry take off.

For more information on PMC and stone wool insulation, visit: [rockwool.com/modular](https://rockwool.com/modular).

#### Sources:

<sup>1</sup> Business Wire. Global Modular Construction Market Outlook to 2025 – North American Market Expected to Grow at a CAGR of 6.77% Over the Forecast Period 2019-2025. May 7, 2019 from [www.researchandmarkets.com](https://www.researchandmarkets.com)

<sup>2</sup> Permanent Modular Construction: Annual Report. Report. 2016.

Fitzgerald-Redd, S. (n.d.). Insulation Institute Blog. Retrieved April 16, 2018, from <http://information.insulationinstitute.org/blog/the-rising-appeal-of-factory-built-homes>

March, M. T. (2018, January 17). Offsite construction to ramp up in 2018. Retrieved April 16, 2018, from [www.constructiondive.com/news/offsite-construction-to-ramp-up-in-2018/514950/](https://www.constructiondive.com/news/offsite-construction-to-ramp-up-in-2018/514950/)