

PROJECT PROFILE

CIB GLOBAL REPORT – REVISITING OFFSITE



PROJECT BACKGROUND

The CIB Global Report "Revisiting Offsite: A New Capability-Driven Research Roadmap for Offsite Design, Manufacturing, and Construction" was developed in response to the significant evolution of the offsite manufacturing (OSM) sector over the past decade. The previous CIB roadmap, published in 2013, was deemed in need of a substantial update to reflect current and future market dynamics. The new roadmap aims to guide the industry through a capability-driven approach, focusing on People, Process, and Technology within Design, Manufacturing, and Construction.

METHODOLOGY

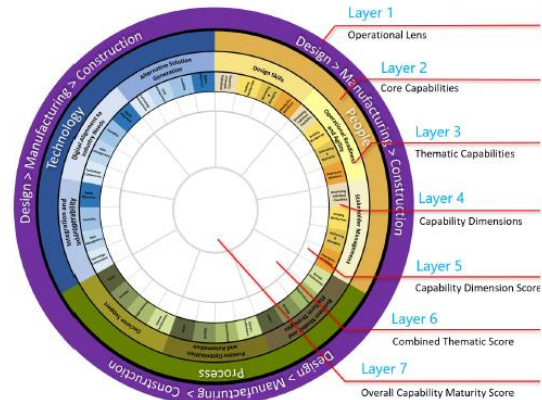
The development of the new OSM roadmap was a comprehensive process divided into 11 discrete steps. This included horizon scanning, evaluating the previous roadmap, defining the knowledge gap, establishing a research lens, determining capture instruments and analytical approaches, synthesizing findings, engaging with domain experts, developing questionnaires, conducting focus group sessions, creating the roadmap and model, and validating the findings. The methodology ensured a robust approach to identify and address the industry's needs and challenges.

RESULTS

The report presents a capability-driven model for assessing an organization's offsite maturity across People, Process, and Technology. The model consists of seven layers, providing a structured approach to evaluate maturity scores at both macro and micro levels. The results highlight areas of strength and weakness within an organization, enabling targeted improvement strategies. For example, an organization might find that "Design Skills" and "Process Optimization and Automation" are areas requiring immediate attention due to low maturity scores.

RECOMMENDATIONS

Based on the findings, the report recommends a nine-step approach for organizations to assess and enhance their offsite capabilities. This includes conducting an internal audit, undertaking market analysis, performing gap analysis, mapping strategic objectives, selecting an evaluation lens, systematically evaluating capability needs, and generating an organizational Audit Report. By following this roadmap, organizations can identify critical areas for development and create actionable plans to address them, ultimately leading to improved offsite delivery processes and end products.



Seven-Layered Capability Assessment Model

CONCLUSION

the report reflects on the global impact of offsite construction over the last decade, noting its transformation from a niche approach to a mainstream solution. It emphasizes the need for continuous research and development to support the industry's progress and to facilitate the integration of new technologies, processes, and business models. The report's findings and recommendations are intended to help organizations navigate the evolving landscape of offsite construction and to address the skills gap and other barriers to growth.