Unlocking the PMI-CP

Enhancing project success through upskilling to close the skills gap

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FINDINGS ON CONSTRUCTION

McKinsey & Company

Construction, the biggest industry in the world (13% of GDP), is not performing well: 1% annual growth for the past two decades.

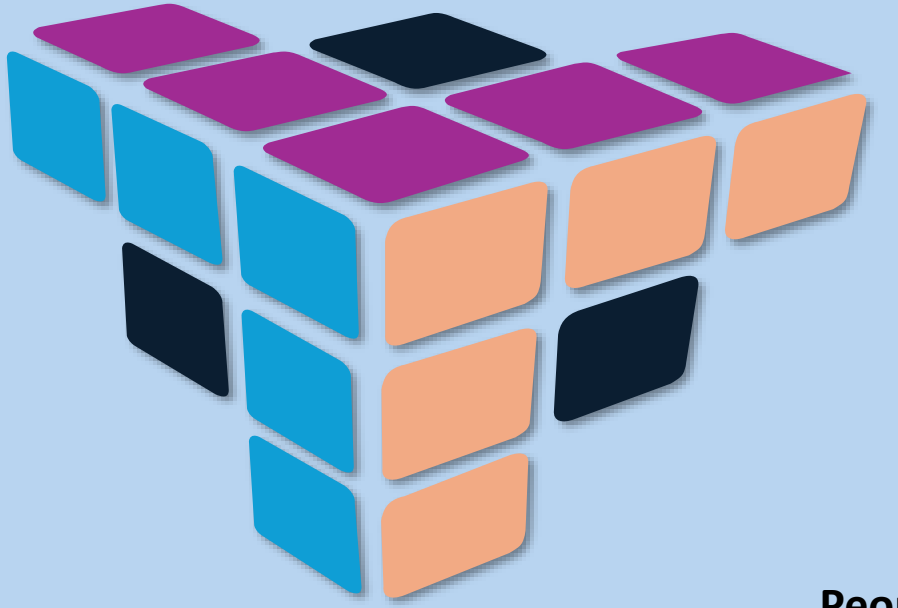
$69.4 trillion in global infrastructure investment would be needed through 2035.

Skilled-labor shortages have become a major issue and retirements will drain talent. E.g.: large percentage of the global construction workforce is expected to retire by 2031.

TRANSFORMATION IN THE CONSTRUCTION INDUSTRY TODAY

Process

Across the globe, many research organizations have developed advanced techniques that are currently being used or introduced to the construction industry. These new processes have also been shown to be more efficient, sustainable, and safer than traditional construction methods. Examples include Advanced Work Packaging (AWP), Last Planner System (LPS) and CCSU to name a few.



Technology

In recent years, there has been a huge advancement in the development and use of technology within the construction sector. Some examples of new construction technologies are AI, Digital Twins, blockchain technology, virtual and augmented reality, 4D simulations, 3D printing and more.

People

Unfortunately, there has been very little investment in this area

PMI-CP™

The Future of Work in the Construction Sector

In collaboration with industry experts around the world, PMI is applying its mission and vision to Construction Professional in Built Environment Projects (PMI-CP)™, a new program that sets the standard for bringing large, complex construction projects to life on-time and on-budget.

7	2
Courses	**Certifications**

PMI Collaboration Partners

The PMI-CP™ Curriculum is suitable to all professionals in the construction industry:

Including:

- Developers, Consultants, Contractors, etc...
- Not Only Project Managers, but: Engineers, Architects, Quantity Surveyors, Planners, etc...

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PMI-CP Evolution to Date

Nov 2021

Launched the First 3 Modules of PMI-CP

- Built Environment Project Communication Pro
- Scope & Change Order Management in the Built Environment
- Interface Management in the Built Environment

Jan-May 2022

Released next 4 Modules

- Performance and Materials Management Pro
- Contract & Risk Management
- Technology & Innovation Pro
- Execution planning

Aug 2022

Launch PMI-CP Certification Exams

- Commenced alpha testing of the PMI-CP certification exams

Jan 2024

Launch ILT Version PMI-CP

- Commenced ILT version of PMI-CP.

Feb 2024

Launch the 2-stage format

- Commenced PMI-CP with 4 core modules and the PMI-SCP with the additional 3 Modules.
- Launched DCP (Oracle) in Aug 2024

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PMI Construction Professional (PMI-CP)™

4 Courses + Capstone Exam:

- Construction Project Communication (Badge awarded)
- Construction Scope and Change Order Management
- Construction Interface Management
- Construction Contract and Risk Management

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Further Learning

3 Additional courses for the senior designation (PMI-SCP)

- Construction Performance and Materials Management (Badge Awarded)
- Construction Technology and Innovation (Badge Awarded)
- Construction Execution Planning

Digital Construction Practitioner (DCP) Course – Oracle Collaboration

What's New

Key Learnings

- **How the digitization of construction data can simplify the construction world.**
- **The various tools available on the Smart platform.**
- **To simulate the data flow through the tools and understand how it can be used for project performance and reporting.**

Oracle and PMI have collaborated to offer the **Digital Construction Practitioner (DCP)** eLearning course to professionals in the construction industry. The DCP course demonstrates the capabilities of Oracle's Smart Construction Platform in enabling industry best practices. *The estimated time to complete the course is 12-14 hours.*

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PMI-CP CORE ELEMENTS

• 01 – LEAN WAYS OF WORKING

This course advocates the use of Lean Construction Principle, where the focus is to ensure reliability in work released from one construction process to the next.

• 02 – AGILE / DATA DRIVEN APPROACH

The Agile methods in this new program promotes the breakdown plans into more manageable pieces and progressively elaborate them as they get closer to execution. It also, promotes the collation and use of data in decision-making.

• 03 – USING TECHNOLOGY

At the core of this new certification is to propel construction professionals to a higher degree of adoption and way users utilize the capabilities of the information system.

The case for PMI-CP

Unlocking the PMI-CP for improved business performance

The key value proposition of the PMI-CP for businesses is enhancing project delivery efficiency, quality, and risk management in construction projects leading to improved client satisfaction, competitive advantage and overall organizational growth.

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CASE FOR PMI-CP AND EARLY SUCCESS

- Since its introduction in the market more than **19,000 individual courses** have been completed.

- **Construction Sector Adoption**

✓ **South Africa** SACPCMP (South Africa Construction Industry Regulatory Authority) adopted PMI-CP as the Construction standard

✓ **Zambia** EIZ (Engineering Institute of Zambia)

✓ **Saudi Arabia,** Human Resources Development Fund (HRDF) recognizes the PMI-CP to empower the national Saudi workforce.

✓ **Saudi Arabia**, Saudi Contractors Authority (SCA) adoption

✓ **Ministry of Works Bahrain** are adopting PMI-CP

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WHY CHOOSE PMI-CP?

- PMI-CP enable organizations to upskill their workforce and utilize them for high value tasks.

- By equipping professionals with industry specific skills, businesses can ensure that their projects are completed on time, within budget, and to the highest quality standards, while fostering a culture of continuous improvement and professional excellence.

- PMI-CP helps construction professions to:
  - **Enhanced Project Delivery:** Effectively strategize and manage project resources with better planning, execution, and control.
  - **Manage Contracts:** Ensure contracts align with project goals.
  - **Master Risk Mitigation:** Proactively handle risks and challenges, tailored to the complexities of construction projects..

- The certification can help to build trust with clients, demonstrating a commitment to excellence and adherence to industry best practices.

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ELIGIBILITY FOR THE PMI-CP™ EXAM

Three Years of on-the-job Experience

- Within the last **10 years** in construction projects or built environment projects.

Successful Completion of the **Four Foundation Courses**.

- Can be taken in **any order**
- Designed to meet your schedule, these courses are **self-paced**.
- Each course is a 6-10 hour commitment.
- Courses counts as Professional Development Units (**PDUs**) towards certification renewals.

PMI-CP™ CAPSTONE EXAM

Overview

- 120 Questions
- Total Duration of 230 min

Primary Domains

- Contracts Management
- Stakeholder Engagement
- Strategy and Scope Management
- Project Governance

PMI-CP™ COURSE FORMATS

Schedule	▪ Self-Paced: Completed at the individual's schedule and time. ▪ or Completed in a classroom with an instructor led. (through an Authorized Training Partner)
Time	▪ Self-Paced: Approx. 6 - 10 hrs per course of dedicated learning time plus exam. (where applicable) ▪ or Approx. 2 days of classroom training per course plus exam time. (through an Authorized Training Partner)
Customized	▪ Case study-based approach which may be customized to the organization. (through an Authorized Training Partner)

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I have a vision for the future.

Within the next 5 to 10 years, I anticipate that 50% of construction professionals will hold a PMI-CP™ certification. So, I expect to see a **50% decrease in projects that exceed their allocated budget or timeline or fail to deliver the expected benefits**.

Luigi Rosa, AVP,
Frederick Douglas Tunnel Program
Amtrack

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FOUR FOUNDATIONAL E-LEARNING COURSES

Construction Project Communications

ILT & eLearning Course with Assessment and Badge

Construction Interface Management

ILT & eLearning Course Only

Construction Scope and Change Order Management

ILT & eLearning Course Only

Construction Contract and Risk Management

ILT & eLearning Course Only

Four Foundational Courses for the PMI-CP Capstone Exam

Unpacking Each Course

Construction Project Communications

Key Learnings

- The Importance of Effective Communication
- Communication Strategy and Plan
- Stakeholder Management for Communication
- Active Listening
- Formal Communication – Governance and Project Structures
- Using the Big Room (Obeya)
- Commitment-Based Management (CBM)
- Project Management Information System (PMIS)
- Evidence-Based Communication – Compass Tool

Construction Interface Management

Key Learnings

- Interface Management in E&C Projects
- Interventions Throughout the Project Life Cycle
- Attributes for a Good Interface
- Understand the Tools, Process for Design and Management
- How to Effectively Manage Interfaces
- Capabilities Needed for Interface Management

Construction Scope and Change Order Management

Key Learnings

- Business Objectives and Performance Outcomes to Drive Scope
- Setting the Project Up With a Clear Scope to Ensure All Stakeholders Are Bought In
- Scope Evaluation Tools (CII)
- Scope Governance Structures
- Put in Place an Effective Change Order Process
- Technology Supporting Scope Management and Change Orders

Construction Contract and Risk Management

Key Learnings

- Contract Life Cycle
- Contract and Delivery Method Strategies
- Risk Classification and Prioritization on E&C Projects
- Risk Management Framework and Process
- Risk Management Tools and Techniques
- Common Causes of Claims
- Methods to Reduce Claims and Disputes
- Claims & Disputes Process

Three Advanced Courses for Senior Level Skill Building

Unpacking Each Course

THREE ADVANCED SKILL BUILDING COURSES

Not Required for the PMI-CP™

Construction Performance and Materials Management

ILT & eLearning Course with Assessment and Badge

Construction Technology and Innovation

ILT & eLearning Course with Assessment and Badge

Construction Execution Planning

ILT & eLearning Course Only

Construction Performance and Materials Management

Key Learnings

- Setting Up Your Project's Performance Strategy
- E&C Project Metrics
- Progress Measurement Process
- Fostering the Right Culture
- Materials Management Life Cycle
- Strategy and Plan
- Operations and Management of Materials
- Technology and Management Best Practices

Construction Technology and Innovation

Key Learnings

- Innovation in the Built Environment – What Is It, Why It Matters and Where to Introduce
- Establish an Innovative Culture to Drive Better Project Outcomes
- Methods Necessary to Support Innovation
- Emerging Trends, Transformative Potential of Technology
- Managing Technology Risks in the Built Environment
- How to Bring Technology Into Projects and When Best to Do It
- Developing the Role of the Project Manager in Enabling Technology
- The Emerging Digital Roles to Optimize the Latest Developments in Technology

Construction Execution Planning

Key Learnings

- AWP Introduction and Components
- AWP Implementation Model
- AWP Best Practices and Tools
- AWP Benefits and Outcomes
- Lean LPS Introduction
- Setting Up LPS on Projects (Pull Sessions)
- LPS Principles and Benefits
- LPS Process (5 Planning Levels)
- Planning for CCSU Introduction
- CCSU Tools and Best Practices

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PMI Construction Professional (PMI-CP)™

LinkedIn Group

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Thank you.


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Professional Certification
PROFESSIONAL