





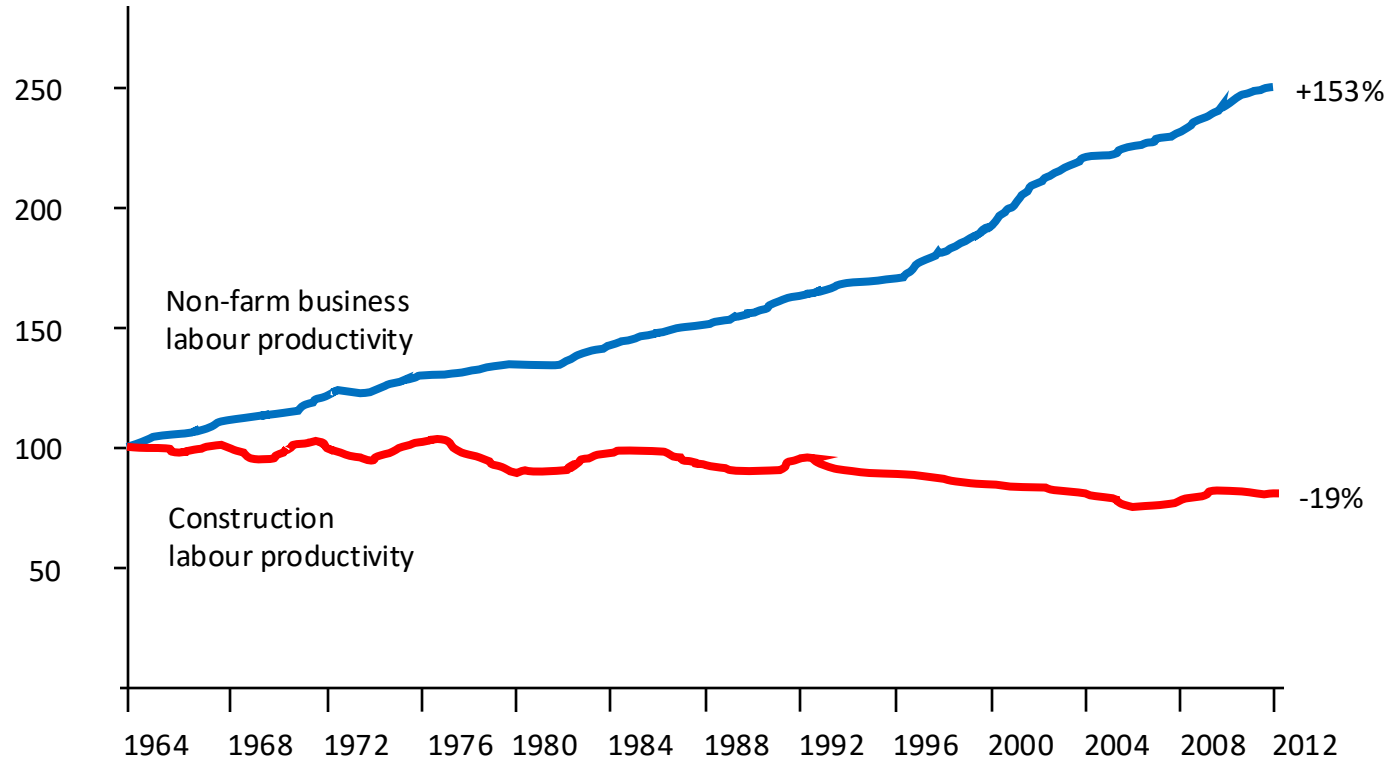




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EDUCATION  
FOR A COMPLEX WORLD.

# Construction Labor Productivity (USA)



Peer set based on US companies with engineering, construction and service-related standard industrial classification codes. Financials are inflation-adjusted and indexed to 1964; output per working hours. Source: Global Vantage; Compustat; Bloomberg; [www.aecbytes.com/viewpoint/2013/issue\\_67.html](http://www.aecbytes.com/viewpoint/2013/issue_67.html); [www.nber.org/papers/w1555.pdf](http://www.nber.org/papers/w1555.pdf); S&P Capital IQ; BCG ValueScience Center; World Economic Forum

Author: World Economic Forum, Graphic: Wimmers

Industry Agenda

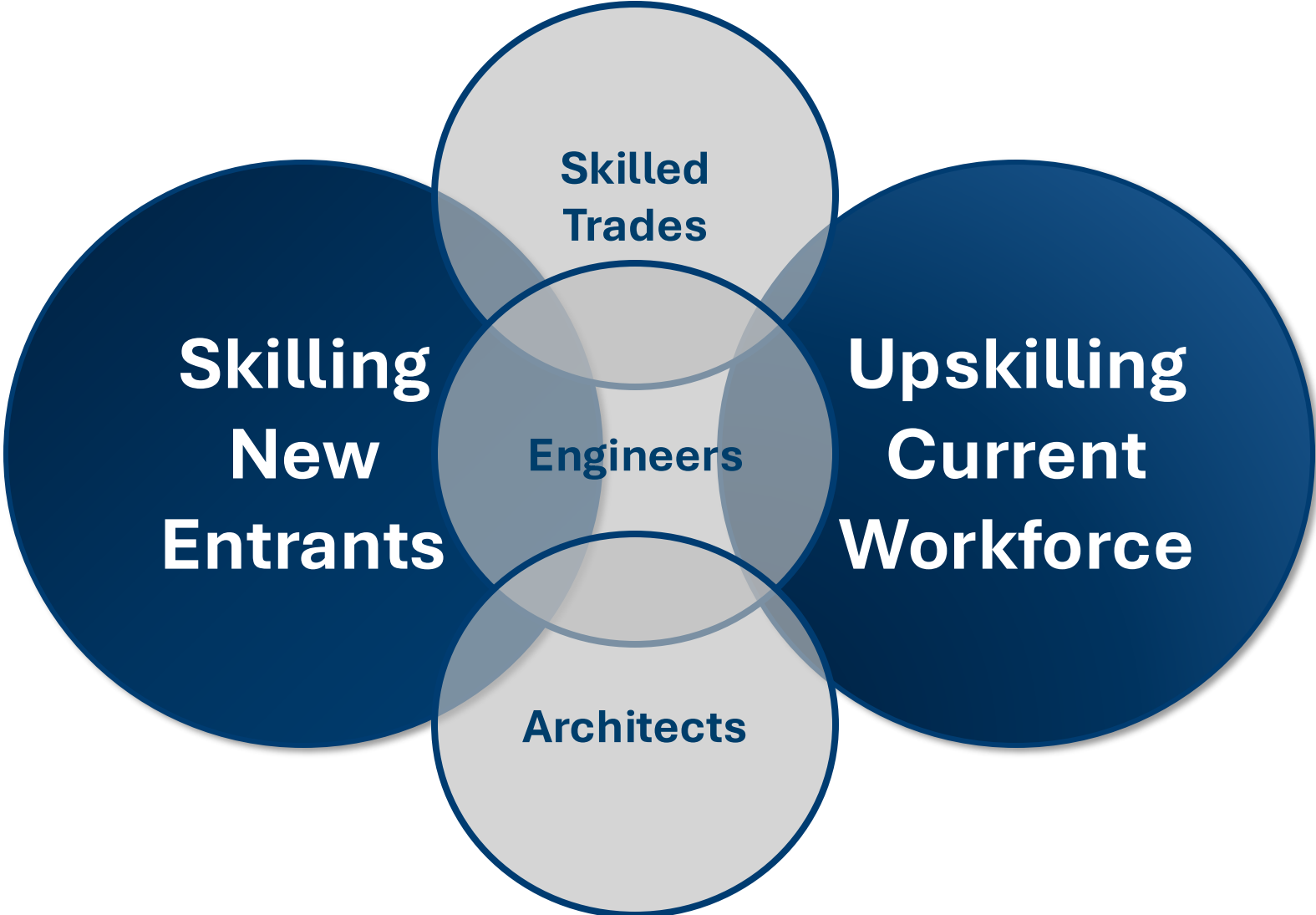
## Shaping the Future of Construction A Breakthrough in Mindset and Technology

Prepared in collaboration with The Boston Consulting Group

May 2016



# STRATEGIC DEVELOPMENT



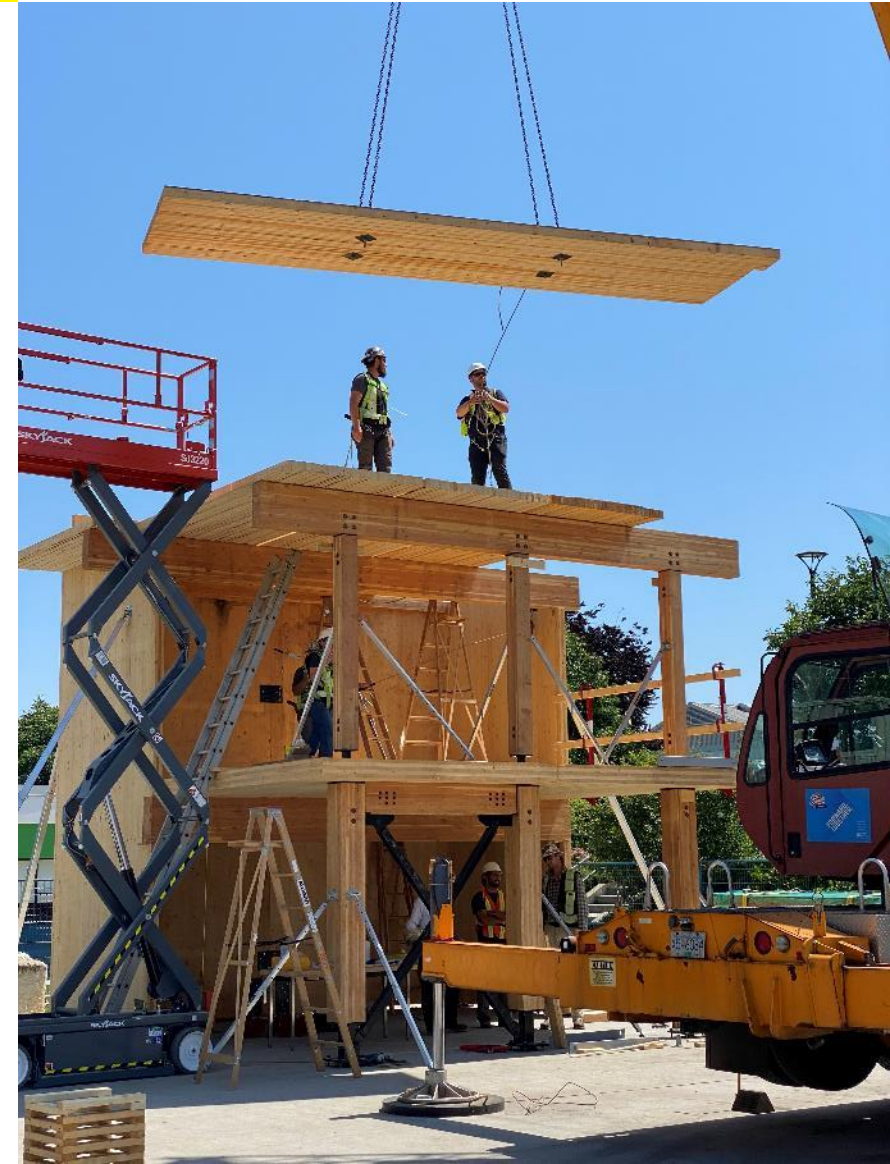
# FIRST OFFER

## Online Microcredential *Introductory Studies in MT Construction*

- Self-paced
- Fundamentals of MT
- Over 600 students enrolled

## Associate Certificate *Construction of Mass Timber Structures*

- Blended delivery
- Tailored to mass timber installers
- Over 60 students enrolled





# GOVERNMENT SUPPORT



## Provincial Investment

- \$3.3 Million from BC's Future Ready Action Plan

## Federal investment

- \$1 Million to support capital equipment purchase

# MASS TIMBER AT BCIT

## CONNECTION TO INDUSTRY

Direct connection to industry. We train more apprentices than any other school in the province.

## MODERNISATION OF CURRICULA

The only post secondary institute with a provincial mandate to create Mass Timber training

## INTERDISCIPLINARY EDUCATION

Several capital projects underway that will be home to our interdisciplinary programs

## PROVINCIAL & NATIONAL MANDATES

Heading provincial and national mass timber education initiatives



# ROBERT BOSCA CARPENTRY PAVILLION

Designed around the Hundegger robot drive CNC

Center for mass timber training in the province

Centerpiece of national mass timber rollout







# COLLABORATION





# INTERDISCIPLINARY

Only school in the province developing interdisciplinary education to modernize in the construction industry

- Civil Engineering
- Architects
- Building Science
- Zero Energy Buildings Lab
- Project Management
- Interior Design
- ...
- Sheet metal
- Piping/Plumbing
- HVAC
- Electrical
- Carpentry
- Joinery
- Steel trades
- ...

The background image shows a construction site for a mass timber building. Large, light-colored wooden columns and beams are visible, forming the structural frame. A worker wearing a white hard hat and a safety vest is working on the structure. The scene is set outdoors with some trees in the background.

# ENVISIONING TOMORROW TOGETHER Mass Timber and Prefab Education

BCIT SOCE