Built Environment Accelerate to Market Programme

BEAMP is an Initiative by

Building and Construction Authority

Enterprise Singapore

JTC

Powered by

padang & co
ITM will chart the course ahead for growth and competitiveness

VISION
• Advanced and Integrated Sector
• Progressive and Collaborative Firms
• Good Jobs for Singaporeans

Through 6 key pillars

1. Innovation
2. Productivity
3. Jobs and Skills
4. Internationalisation
5. Collaboration
6. Regulations

Driving Transformation through the Construction ITM
Transformation Areas

1. Smart & Green Buildings
2. Design for Manufacturing and Assembly (DfMA)
3. Integrated Digital Delivery (IDD)
Objectives of BEAMP

1. Develop innovations to solve Built Environment Challenges
2. Pilots and test beds to validate innovations for the generation of lead demand
3. Build up local enterprises innovation capability
4. Strengthen investment and promote partnership between innovators (local & foreign) and companies in the BE domain
How can Industry get involved?

Industry firm adopts high-performing innovations.

a) Industry firm mentors the solution development process and co-develops solutions with innovators

b) Industry firm provides innovator opportunity to test-bed the developed solutions

Industry firm provides challenge statements with a pre-determined set of expected outcomes (e.g., what should the solution solve)

Innovation sourcing

Accelarate Solution Development 3 - 6 months (capped at $30K)

Up to 70% support

Market Development 12 months (capped at $250K)

Funding support from Enterprise Singapore

For Prototype Development

For Test-bed and project pilots

Adoption

Industry firm adopts high-performing innovations.
Launch of previous BEAMP Cycles

1st BEAMP Cycle
The Programme and 1st Cycle was Launched by Minister (National Development) on 22 Feb 2019

2nd BEAMP Cycle
2nd Cycle challenge call was announced by Min(ND) on 4 Sep 2019 at International Built Environment Week

Challenge Statements

16 Challenge Statements
Under 6 Broad Themes

28 Challenge Statements
Under 7 Broad Themes

14 Challenge Statement Owners

23 Challenge Statement Owners
Example of Challenge Statement

Innovative Inspection Solution for Internal and External Building Façade

For Developers

**Current issues:**

a) Inspection and maintenance of the building façade is a **labour intensive and high-risk activity** that requires skilled professionals to work at heights to access the building’s surface.

b) Existing façade inspection methods are **largely limited to visual checks of the external surfaces** with **intrusive localised examinations** on the support system and condition of the rear faces.

**The Challenge:**

The Challenge Statement Owner(s) are seeking for solutions to either enhance or provide an innovative alternative to existing methods thereby:

a) Reducing the risk

b) Reduce reliance for human labour.

c) Improving the effectiveness of existing methods.

d) Improve accuracy for the assessment of the entire internal and external façade condition.
Potential Thematic for 3rd BEAMP Cycle

Advanced Construction Material
Automation & Robotics
Building Inspection, Maintenance and Facility Management
Construction Site Safety
Digital Asset Delivery and Management
Digital Design and Fabrication
Smart Estate Management
Switch 20: The Singapore Week of Innovation & TeChnology (SWITCH) is the one-stop platform where innovation meets enterprise, with access to global startups, investors, corporates, innovation community and ecosystem players. In 2019, SWITCH saw a record of 60,000+ participants from 140 countries, 1,000 exhibitors and 569 global luminary speakers.