

Construction 4.0 Strategic Plan



The ropid growth of technological changes requires current and future talents to be competent and well trained. The construction industry requires an agle workforce, whom are oblight, ready and willing to deliver this transformational change. Stratagies to nurture talents for all construction stakeholders should be the foundation of a comprehensive workforce



A strategic programme for innovation is required with the aim to support REC activities. Recognising the importance of REC in Construction 40, a holdste REC programme that covers call research deficines will ensure a significant potential and benefits in transforming construction industry. A collaborative issearch effort between industry, accollation and the season of the state of the season of the season



Construction 4.0 is changing the traditional way to design, construct and maintain bulldings, which in the post had been carried out independently and without reference to the multiple stachholders. The could be possible if technologies are integrated in a common platform doing with the project pather and analyse of the control platform of the project gather and analyse data across the design term and supply chains enabling faster, more flexible, and more efficient processes to produce higher-quality bulldings or infrastructures at reduced costs. This change would be highly dependent on complex tools, powerful infrastructure networks and reduces security revenue.



Business covelapment serves the purpose of developing the business in some way, which can be conducted by any organisation (small, medium or targe) or marphotiness a strong business development or for-portific retirenses, a strong business development with patential businesses and genorate revenue. Enhancing business endigenorate revenue Enhancing businesse environments for the industry can be once through intentifying symbiotic customers and pattnerships, building relationships and developing solutions that could be readlest in they equitable terms.

epering future workforce for Construction 4.0

- Develop and deliver Construction 4.0 awareness and programme for stakeholders

- Develop apprentineethip program for construction 4.0

- Enhanced skills programme for construction supply chain towards Construction 4.0 implementation

Croate mechanisms to support innovators and technology adoptors

- Eatablan Technopreneuship Development lipitatives and Programme (TIDP) for construction
industry players to efficiency and register to end programme (TIDP) for construction
industry players to efficiency and register to end to end to end to end of the control of the co

Strengthen Quadruple Helis: Government-industry-Academia-Civil Society partnership for Construction 40 innovation 6 technology transfer a strength of the RICE programme 4 Attractive incentive to encourage the sustainability of the RICE programme 4 utilized high-impact R80 output in technology innovation for commercialisation 5 Constitution 40 Const

Driving research and innovation in Construction 40.

Improve evidence-based approach for the construction industry

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Extension solidateration of discription technology, and data center reposition.

Healthy the modest inapprishing ensisting printend unto beyond implementation of Construction 4.0

Lewinge and enhance the integration of existing data platform for construction data sharing.

Lemocrage the usage of registering cond for transforming update and utilise big data analytic for decision

Lifture enreging technologies in construction practices.

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Enhance stakeholders' local and international partnerships to increase the business growth of the construction

dustry

- Develop collaborative business model for local player towards Construction 4.0

- Establish local workforce competency through technology transfer and collaboration with international

*BitDible recent recrease compenses y integers containing to contribute contribute contributes.
 *Benchmarking programme to identify the gaps of technology with the Construction 4.0 leading country
 *Business marching programme to business apportunity by covering the whole life-cycle value
 *To establish outreach programme to increased utilisation of local technologies and innovation

Creating collaborative governance accessed utilisation of local technologies and knownion.

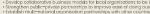
Creating collaborative governance accessed through government intervention.

Diversity of training sources by trapping attendantly finance instruments for statishiolders including SMEs increase the utilisation of local technologies and innovation.

Provide incrinitives for building statistic promptings (SME).

Increase competency of local stateholders through technology transfer and collaboration with international entities.

Promote the role that foreign direct investment or collaboration that would play as a mechanism for local construction arganisations to access the international market. • Develop collaborative business models for placed agreements to be involved in high impact programs • Strengthen public-private portnerships to improve oeae of doing business boolly and internationally • Establish multi-inclinational arganisation portnerships with other courtiess.







o realise the potential and benefits of Construction 4.0, a five-year strategic plan was developed poration with multiple stakeholders in the construction industry. This section will outline the sing strategic framework for Construction 4.0



















🖪 Enablers 🖕





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Well being Improving wellbeing will have a positive impact on performance. Faving a wave-life balance can provide a happy and healthy working environment and experience.

Productivity in construction will improve the overall performance rate. This includes quality of wards of efficiency of labour to finish on time. Productivity performance measurement includes methods, efforts and effectiveness of a system to be able to dictate the performance Construction 4.0.



Safety & Health
An effective safety &
health program may
prevent accidents on
construction sites. This
instilled in all participants
as this has direct relation
to fatatilities, injuries and
diseases that indirectly
affect the community's
surrounding safety.

Sustainability & Resiliency

Sustainability is constructed in selected by reducing its import on the environment. This includes using recyclibrial import on the environment. This includes using recyclibrial import on the environment. This includes using recyclibrial importance of the environment. The environment is entirely to withcrease producing the nature of environment. On the other hand selected involves the caship to withcrease environment. On the other hand selected involves the caship to withcrease environment. On the other hand selected involves the caship to environment of each growing the caship control of environment of environmen

Integrity
Integrity is reflected towards the
behaviour of organisations when
conducting business. Excellent ethics
practices by stackshalders often lead
to a business integrity. Therefore, the
value of a construction industry is to
bring the near of integrity especially
in deal in the era of IR 4.0