OVERCOMING THE INERTIA IN ADOPTING INNOVATIVE CONSTRUCTION DEVELOPMENTS

OBJECTIVE:

“To overcome the issues that are typical in Southeast Asia construction industries through adoption of policy framework with the help of government agencies”

SDG:

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

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**Contribution of Natural Capital to the Total Wealth of SEA**

- **Country Filter**
- **Share of non-natural capital**
- **Share of natural capital**
- **Total wealth per capita**

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**Capital - Expenditure Overrun VS Delay per Industry**

Scatter plot chart showing the correlation of capital overrun against project delays.

- **Mining**
- **Infrastructure**
- **Oil and Gas**

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**ISSUE #1**

Frequent delays and cost-overruns due to over reliance on traditional western construction methods

**ISSUE #2**

The ‘Grow-Now-Clean-Up-Later’ model proven unsustainable which will have dire environmental and social consequences

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**PROPOSED RECOMMENDATION**

**POLICY FRAMEWORK IMPLEMENTATION ROADMAP (UP TO 7 YRS)**

**TRAINING AND WORKSHOP**

6 MTH - 1 YR

Allow participants to experience
i. receive guidance
ii. produce a PILOT PROJECT, displaying an adoption example.

**AWARENESS**

Now

Collaboration with stakeholder
i. local
ii. foreign
iii. engineering institutions through curriculum

**ENFORCEMENT**

Executing non-compliance fines and policy restrictions
i. Financial penalties
ii. Raise in fees such as transactions fees, permit fees.

**INCENTIVIZE**

Up to 5 YRS

Sustainable rating system based on of a contractor
i. Recognition: tendering
ii. Subsidies: government
iii. Exemption: certain tax

**DISAPPROVE**

Unsustainable projects for those who chose to not adopt will be disapproved

**DISINCENTIVIZE**

Instead of giving benefits, privileges are withdrawn such as opportunity to tender for projects

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