Cross Border Rail Operations in Southeast Asia

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Market

- Combined GDP 2020: US$3 trillion
- GDP Average Growth: 5%
- Average Income Per Capita 2020: US$4,533
- ASEAN Population 2020: 661.8 million
- World Economy: 5th Largest
- Asia Economy: 3rd Largest
- World Economy by 2050: 4th Largest

Source: ASEAN Secretariat, ASEAN Statistical Yearbook 2021
Logistics Market

By 2025
US$55.7 billion
Annual Growth Rate
6%
US$2 billion

Average volume of railway freight by country 2022

<table>
<thead>
<tr>
<th>Country</th>
<th>Volume (mil ton/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malaysia</td>
<td>6.0</td>
</tr>
<tr>
<td>Thailand</td>
<td>11.5</td>
</tr>
<tr>
<td>Vietnam</td>
<td>5.6</td>
</tr>
<tr>
<td>Laos</td>
<td>1.4</td>
</tr>
</tbody>
</table>

Source: ASEAN Secretariat
Regional Transport

Investment
US$15 billion

Road Length
2,417,824 km

International Ports
568

Rail Lines
Length
26,526 km

KEY Success Formula

- Railways will need **connectivity** to seaports, inland ports and airports. Freight vs passenger rail priorities.

- State **railway infrastructure** is not yet fully developed significant investments required.

- **Joint operations** between MEMBER STATES to enable open track access and seamless movement of rail freight traffic.

Source: ASEAN Secretariat, ASEAN Stats
Ports and Rail Connectivity

Lat Krabang Inland Container Depot, Thailand

Perlis Inland Port (PIP), Malaysia

Thanaleng Dry Port, LAO DPR

Multimodal inland ports serve as hubs for freight railway operations.
2023 Rail Freight Challenges

The pain points within countries that need address are;

1. Railway Infrastructure
   i). Cross network serviceability
   ii). Sufficient Track formation to support higher traffic
   iii). Strategically located railway yards

2. Containers
   i). Ownership/registration
   ii). Move from traditional cost-plus approach to value offering
   iii). Cold chain

3. Operations
   i). Language
   ii). Local laws
   iii). Ageing assets - MRO
THANK YOU

Peneraju Pengangkutan Rel Negara

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