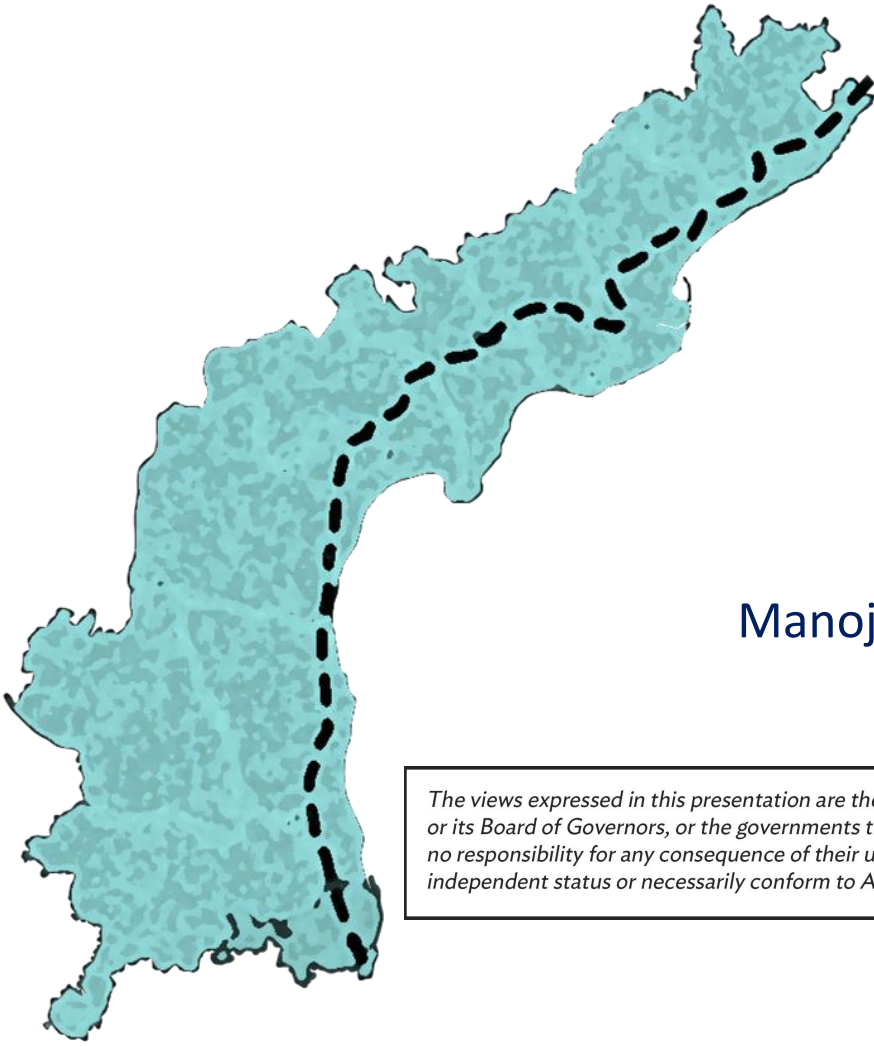


Economic Corridor Development: Putting Concept into Action Visakhapatnam–Chennai Industrial Corridor Development Program



Manoj Sharma, Principal Urban Dev Specialist, SARD
Insight Thursday 8 December 2016

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Trauma to 'Traum (Dream)'



India: Challenges

Labor Force (2015)

530 million

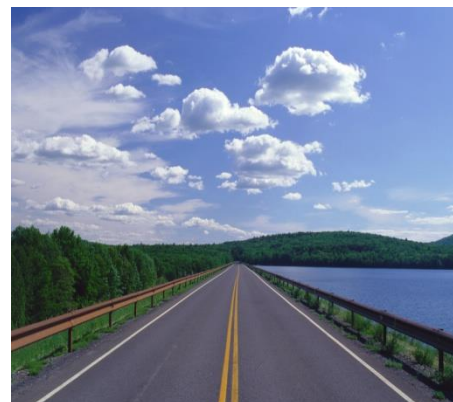
**Adding 12 million every
year**



Infrastructure needs

\$4.5 trillion from 2016-2030

Or \$300 billion every year



India and Andhra Pradesh: Opportunities

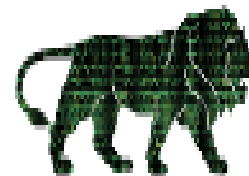
‘Make In India’



- Growth
- Services
- Manufacturing Policy
- Make in India
- Act East

‘Made In Andhra’

IT AND BPM



AUTOMOBILES



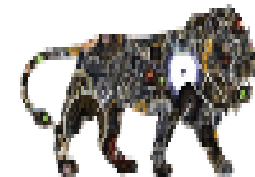
AUTOMOBILE COMPONENTS



OIL AND GAS



AVIATION



DEFENCE MANUFACTURING



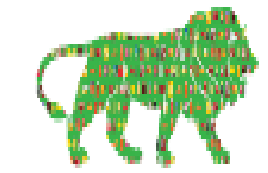
TEXTILES AND GARMENTS



ELECTRONIC SYSTEMS



FOOD PROCESSING



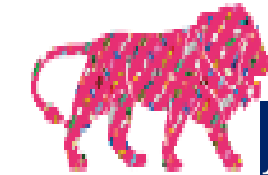
MINING



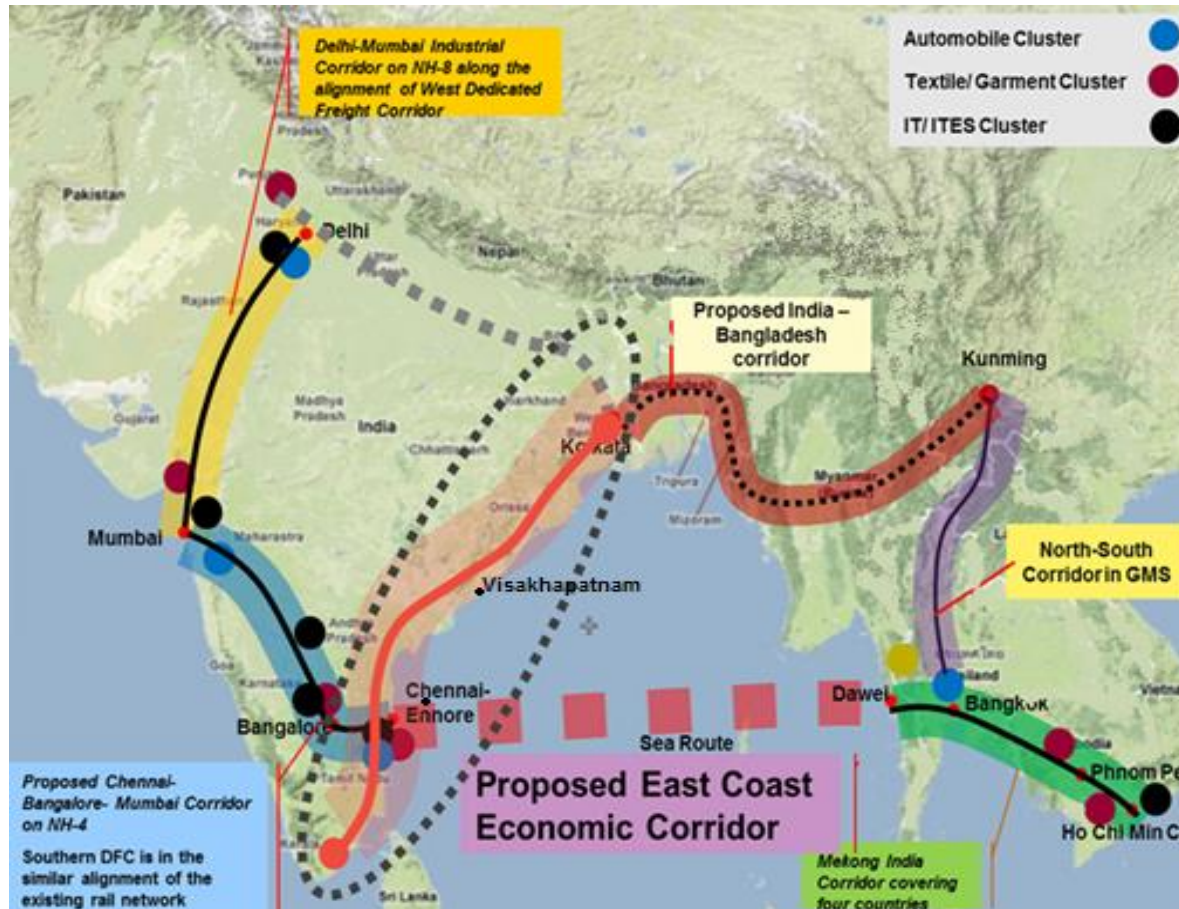
BIOTECHNOLOGY



PHARMACEUTICALS



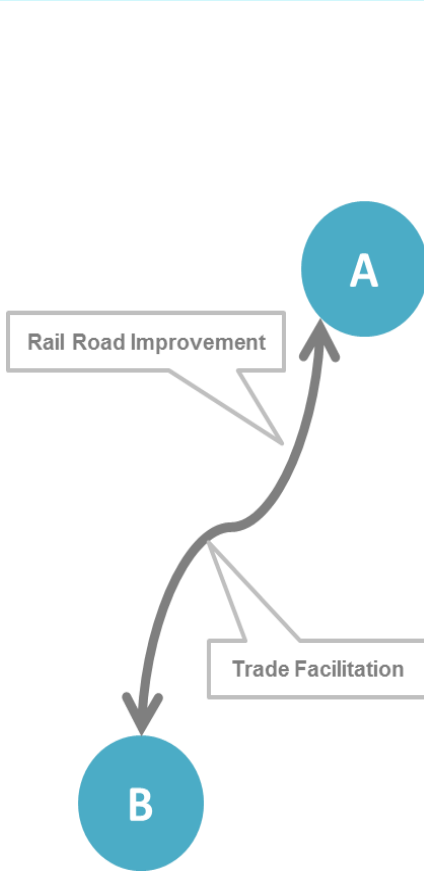
East Coast Economic Corridor (ECEC)



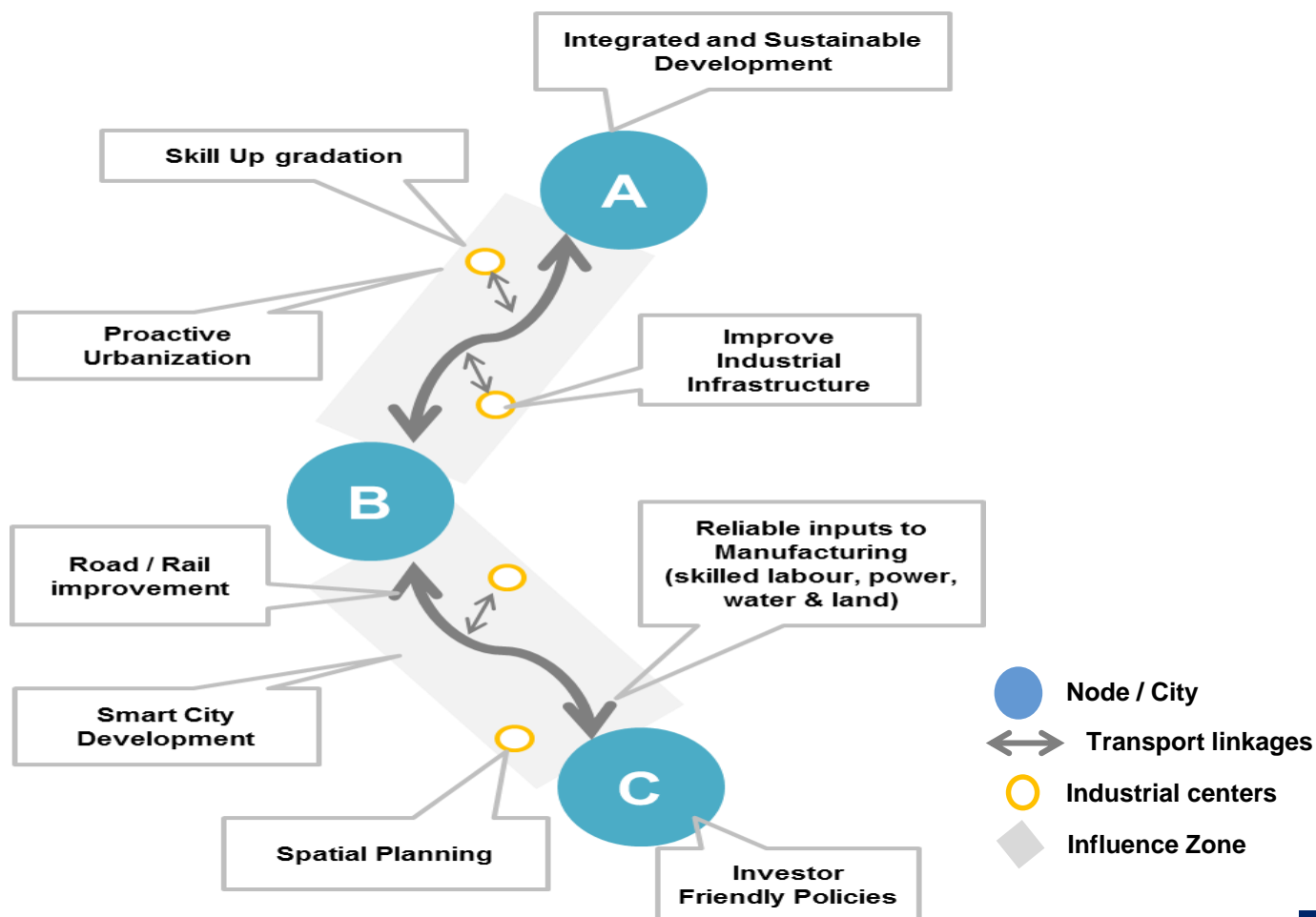
ECEC is India's first coastal economic corridor. VIC is part of ECEC.

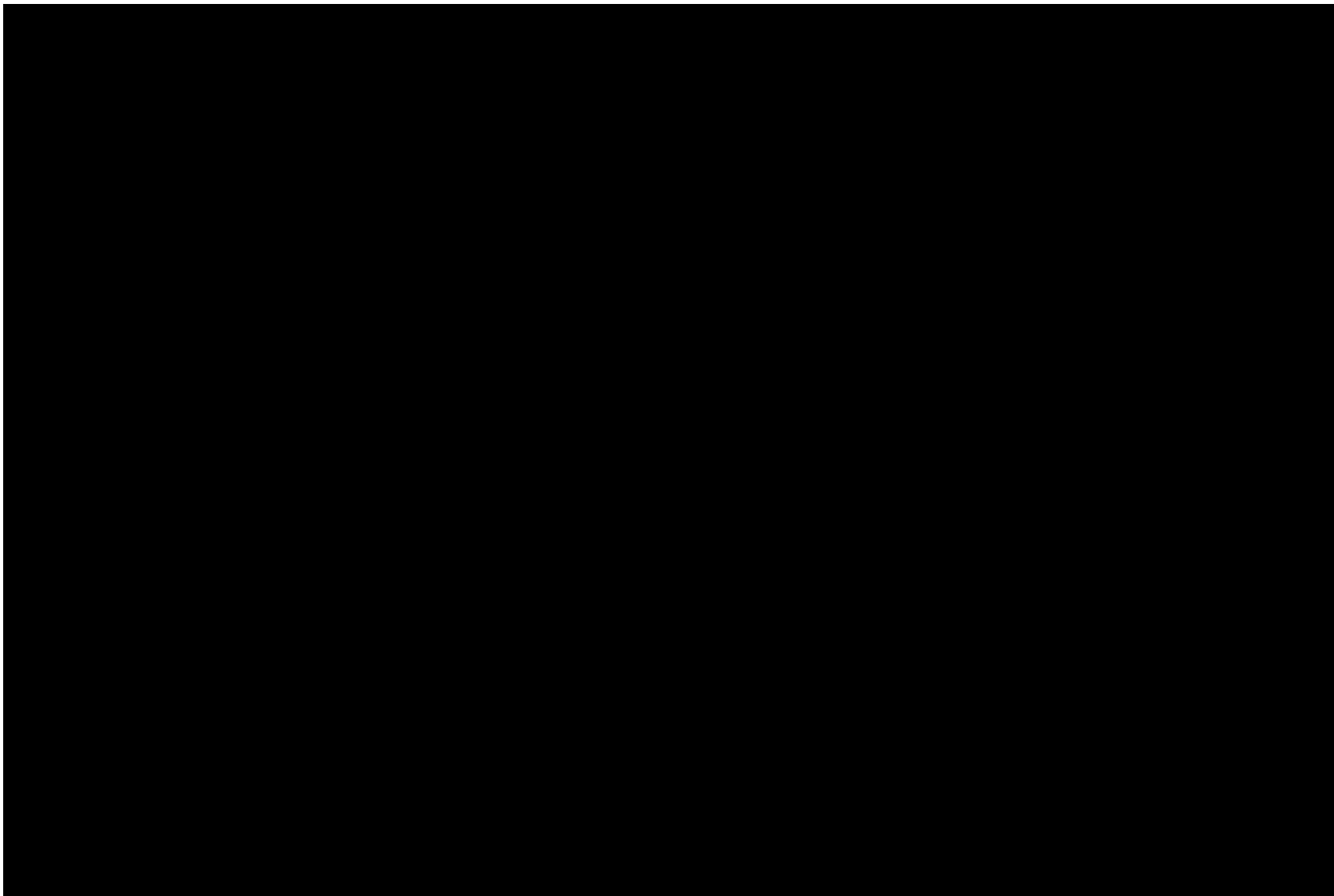
Industrial Corridor Approach

Transport Corridor



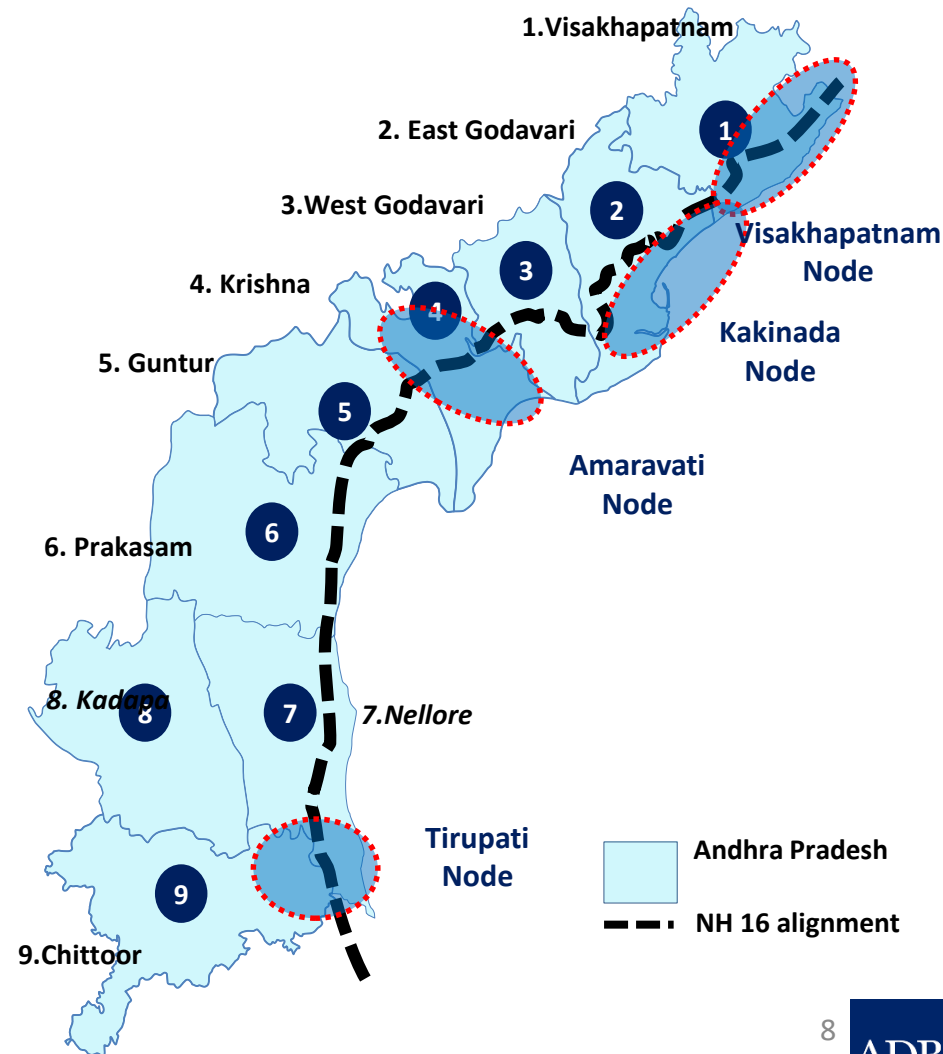
Industrial Corridor





Visakhapatnam–Chennai Industrial Corridor

- Infrastructure Strategy
- Four high potential nodes
- Key industries and Sectors
- Investment Plans
- Policy reforms



Andhra Pradesh is among top 3 states in India in Pharmaceutical exports

Several Multinationals are keen on investing in Bulk drugs and formulations in North Andhra region

More than 200 Pharma units in Andhra Pradesh

\$1 billion Worth of Pharma Industry in North Andhra Region

70+ Pharma Units in Visakhapatnam, Vizianagaram & Srikakulam

VISAKHAPATNAM
JN PHARMA CITY



60 units | 13,000 workforce

An Ideal Destination for Globally Competitive Firms in

- Pharmaceutical R&D
- Manufacturing of APIs
- Intermediates / FDFs

Top Pharmaceutical companies present in the State



Andhra Med Tech Zone (AMTZ) gets formal registration to setup Asia's first dedicated medical devices park



Andhra Med
Tech Zone

Company established under Government of Andhra Pradesh

Will be established in an area of 226 acres at Visakhapatnam

The park will provide for modern state of art common facilities:

- ✓ Specialized Laboratories
- ✓ Warehousing and Testing Centre
- ✓ 100-150 independent manufacturing units, each in a build-ready to use area of 0.5 to 1 acre each

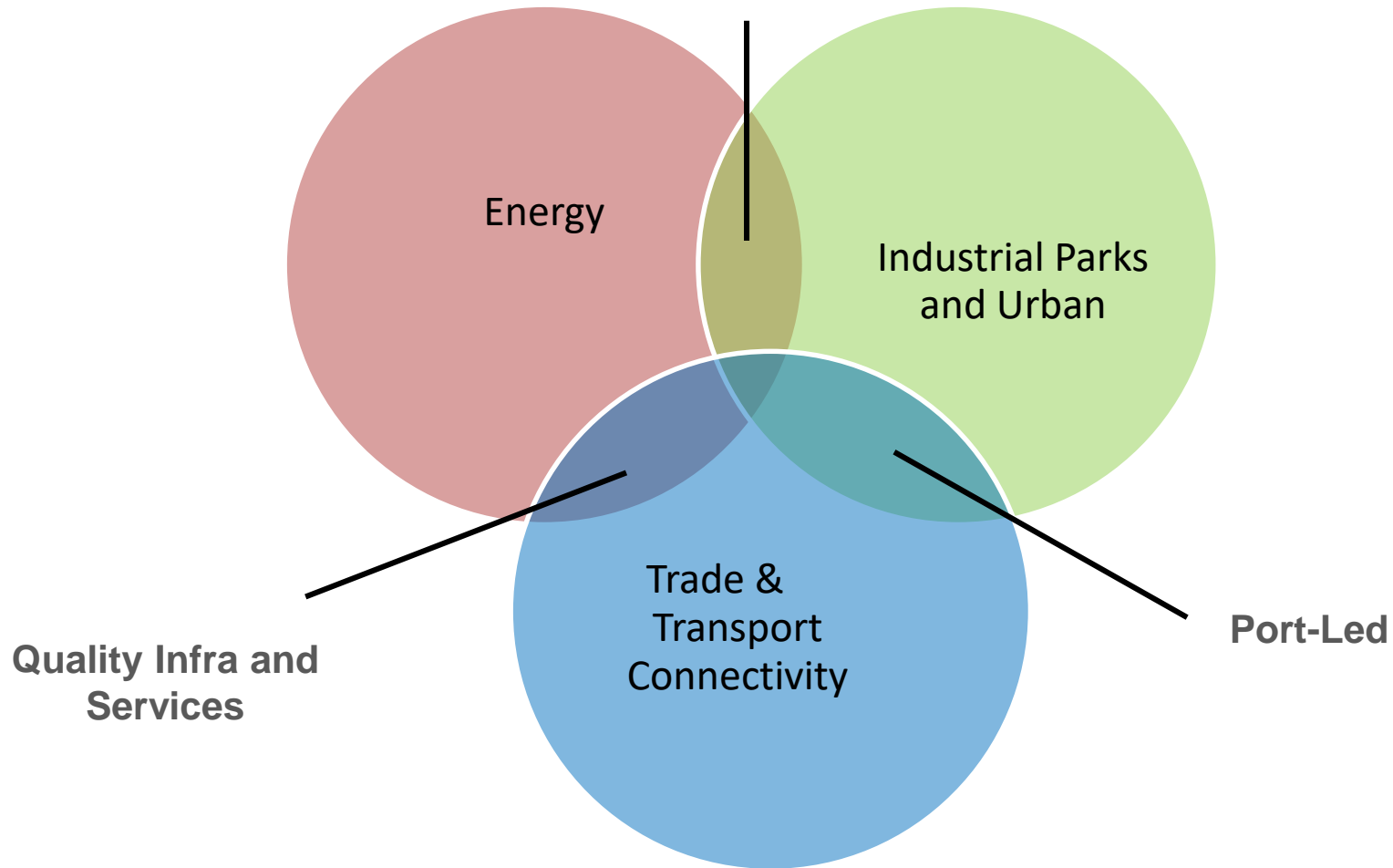
Visakhapatnam–Chennai Industrial Corridor Development Program (\$846 million)

- Growth and jobs
- Multitranche financing facility
- Policy-based loan
- Grant under Urban Climate Change Resilience Trust Fund
- Technical assistance
- ADB approval in Sep 2016



MFF: Infrastructure Sectors

Focus on Industrial
Nodes



MFF: Infrastructure Investments

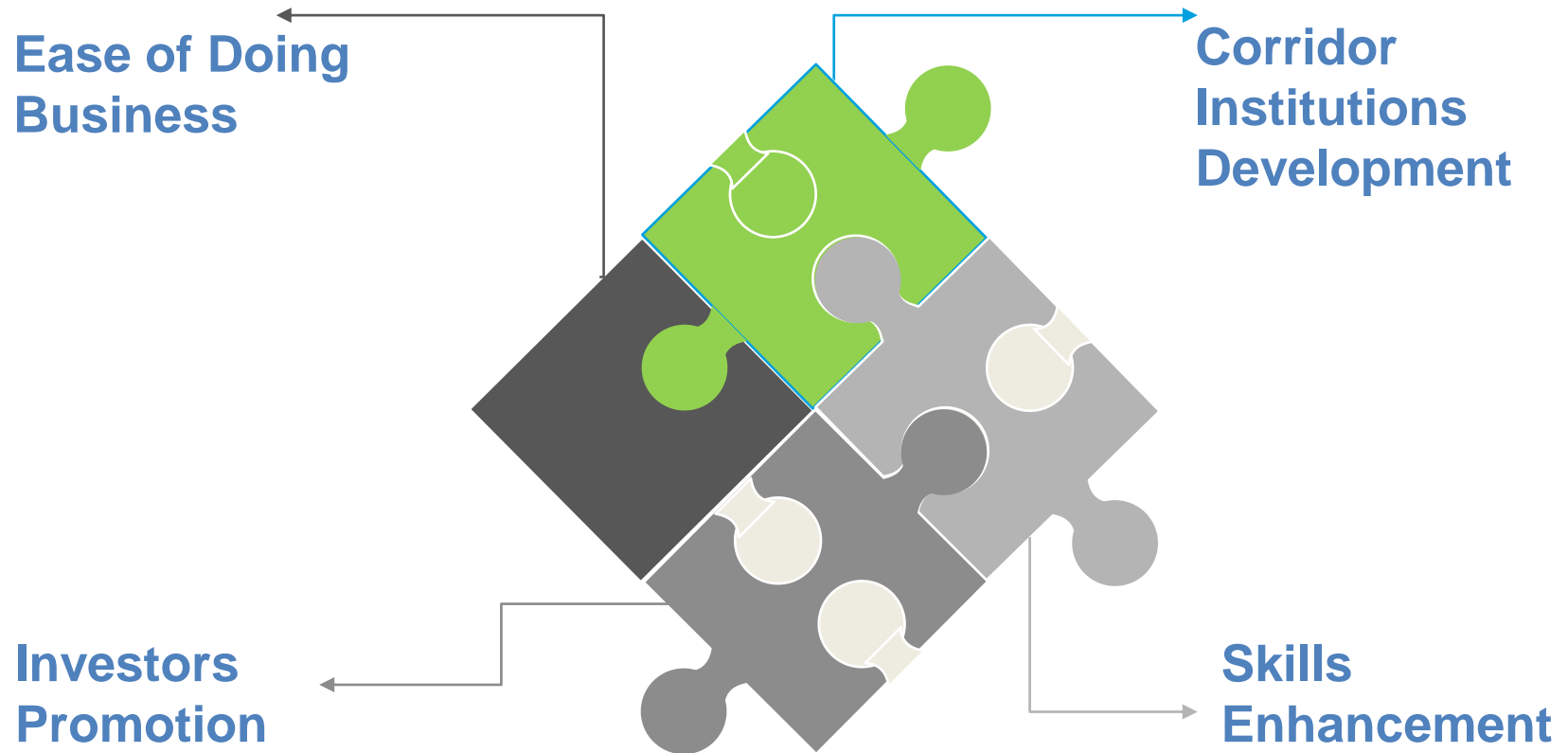


MFF: \$715 million
(ADB: \$500 million)
(Urban Climate Change
Resilience Trust Fund Grant:
\$5 million)



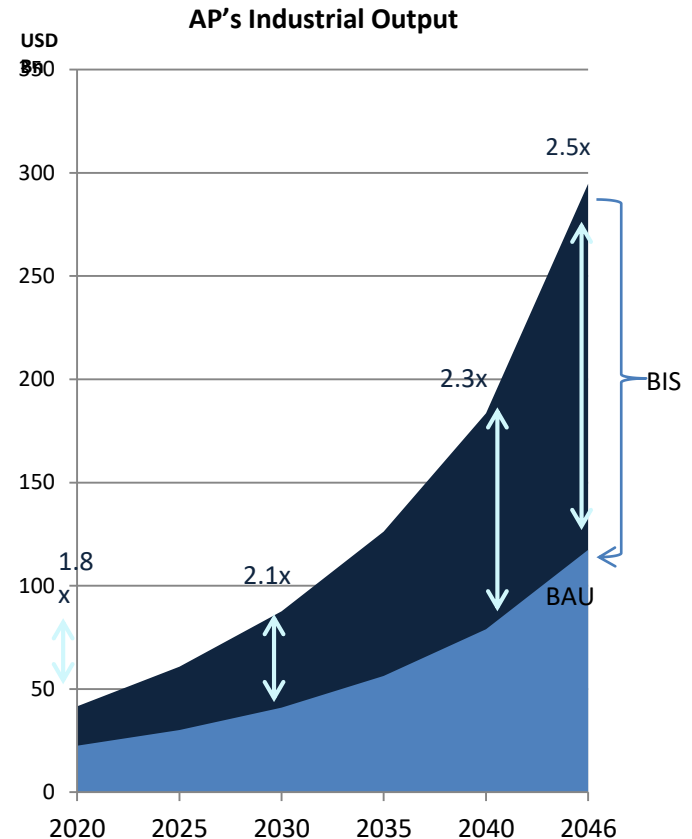
High Readiness
Advance Preparation
Good progress of CA/Disb

Policy-Based Loan



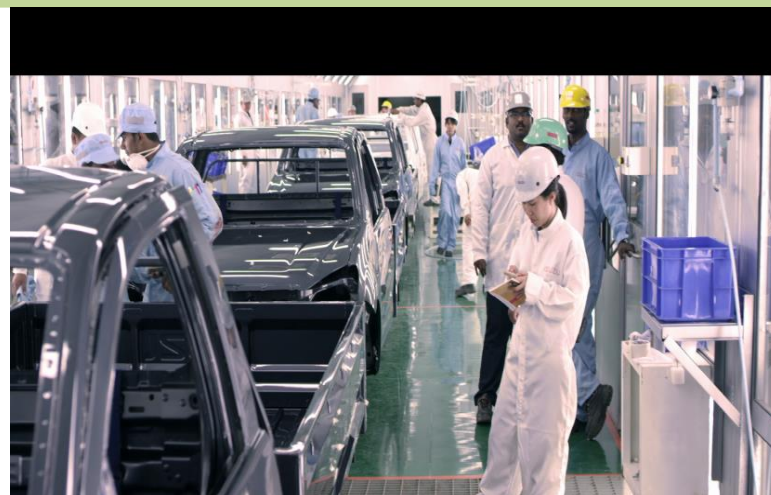
Expected Results

- Projections by 2045 in a business-induced scenario
 - GDP 6 times
 - Manufacturing output 7 times
 - Jobs 5 times
- Provided the expected infrastructure investments and reforms take place



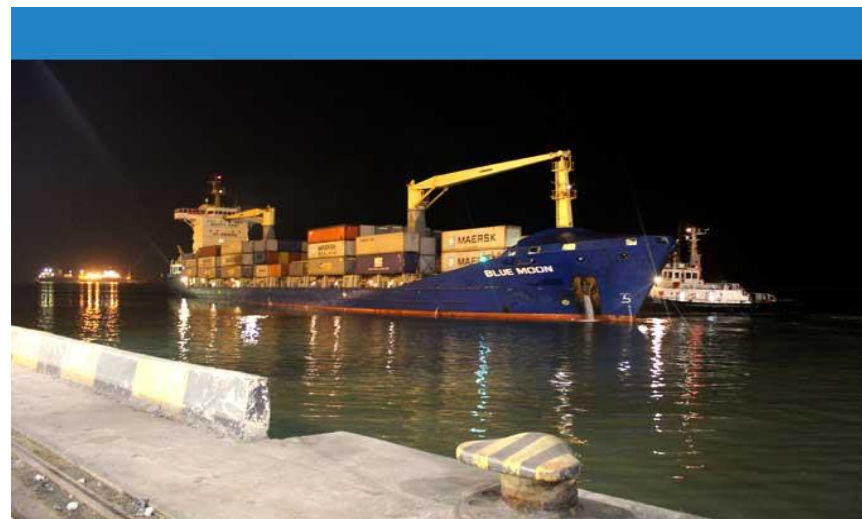
Lessons and Way Forward

- AP: *Make in India*
- Most favored destination
- Analytical work, Doing Business
- VCIC ahead of other corridors
- National policy



Lessons and Way Forward

- MFF+PBL-> Synergies
- Node, Clusters-> eco system
- Advance Preparation ->high readiness
- Next Step: Skills, Dedicated Freight Corridor and VCICDP Phase-2



Trauma to 'Traum (Dream)'



Infrastructure+
Reforms
=Jobs + Growth



Trauma
->
Traum