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# LOCATION TECHNOLOGY IN WAREHOUSE & LOGISTICS

# Role of Geospatial Technology in Supply Chain Logistics

Ravi Chopra  
Genesys International



## GATISHAKTI and NATIONAL LOGISTICS POLICY

..aims to lower the cost of logistics from the existing 16% to **8%** and lead it to par with other developed countries.

the worth of the Indian logistics market will be around **\$ 215 Bn by 2025** compared to \$ 160 Bn.



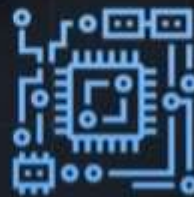
**TECHNOLOGY**



**TEXTILES**



**AUTOMOBILES**



**ELECTRONICS**

**WHAT  
'GATI SHAKTI'  
WILL PROVIDE**

PROVIDE A NEW  
MARKET FOR GOODS

HELP DIVERSIFY  
SUPPLY CHAINS

HELP RELOCATE  
FACTORIES TO INDIA

**MINISTRIES  
PART OF  
'GATI SHAKTI'**



**RAILWAYS**



**CIVIL  
AVIATION**



**SHIPPING**



**ROAD  
TRANSPORT**



**PETROLEUM**



**TEXTILES**



**FOOD  
PROCESSING**

# Samsung to Spend Big to Shift Mobile Display Factory to India

Samsung Display  
Noida is expected to generate employment for 510 people at plant



BusinessDesk@timesofindia.in

New Delhi: Samsung India has announced it will invest \$1.5 billion to set up a mobile and IT display production unit from China to shift its focus from assembly to manufacturing, especially at the start of 2022.

The IT Cell under the Ministry of Electronics and Information Technology (MeitY) has approved the investment. The company will be manufacturing mobile displays in India for the first time.

The unit will be set up in Noida, Uttar Pradesh, and will employ 510 people. The company will become one of the world's largest mobile display manufacturers.

...the company will invest \$1.5 billion to set up a mobile and IT display production unit from China to shift its focus from assembly to manufacturing, especially at the start of 2022.

The company will be manufacturing mobile displays in India for the first time. The unit will be set up in Noida, Uttar Pradesh, and will employ 510 people.

## India Calling

Samsung, Apple's contract manufacturers Pegatron, Foxconn (Hon Hai), Wistron, and Bharat FIH are global cos chosen for handset PLI scheme

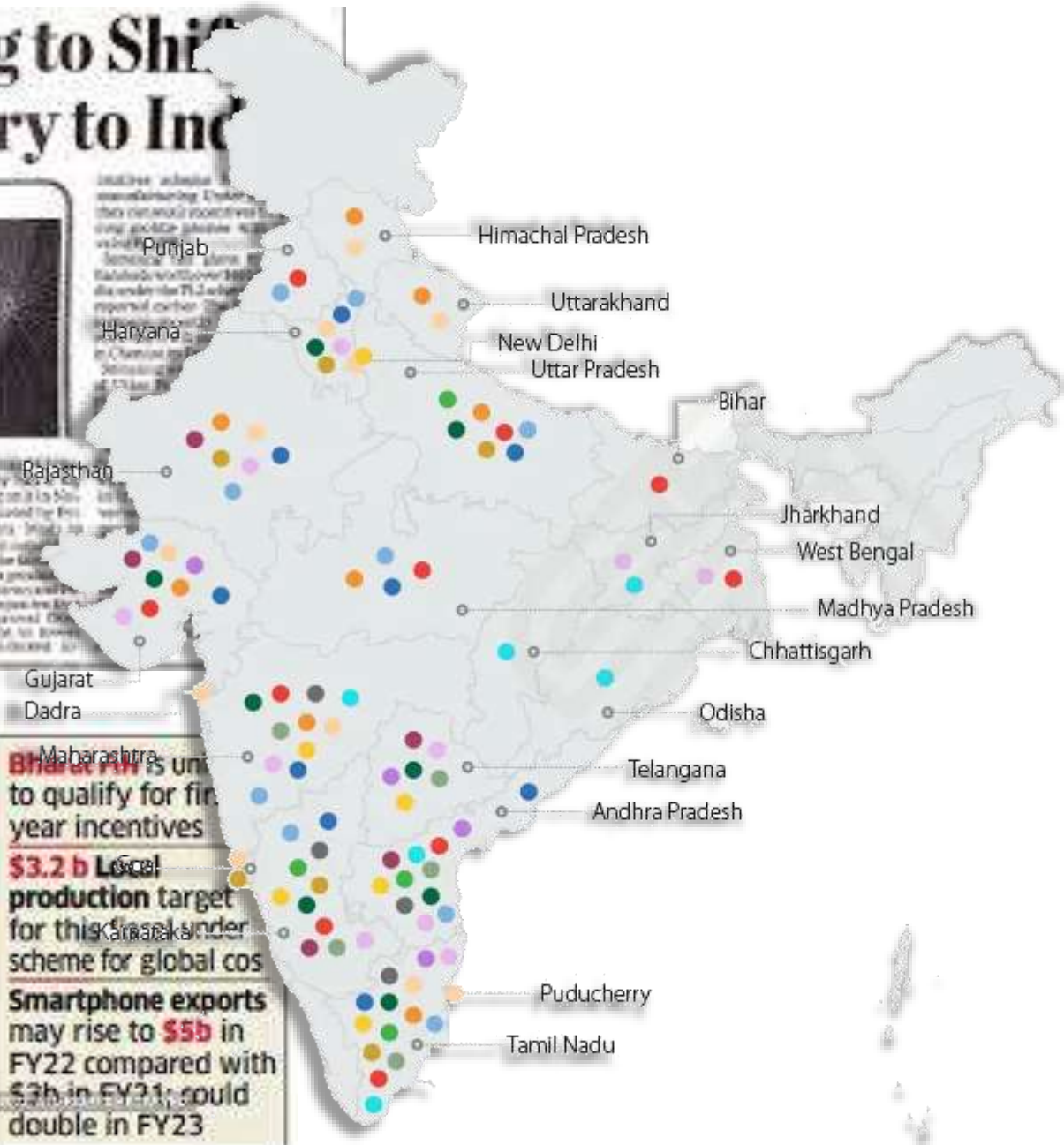
Pegatron likely to start local manufacturing in next few months



Bharat FIH is unlikely to qualify for first year incentives

\$3.2 billion local production target for this fiscal under scheme for global cos

Smartphone exports may rise to \$5b in FY22 compared with \$3b in FY21; could double in FY23



- Mobile manufacturing and specified electronic components
- Manufacturing of medical devices
- Critical key starting materials (KSM) / drug intermediaries (DI) and active pharmaceutical ingredients (API)
- White goods (ACs and LEDs)
- LED manufacturing
- AC manufacturing
- Telecom and networking products
- Electronic/technology products
- Pharmaceuticals drugs
- Food products
- Solar PV modules
- Advanced chemistry cell (ACC) battery
- Textile products
- Automobiles and auto components
- Automobiles
- Auto components
- Specialty steel

How can GIS play  
a role here?

PLAN  
where?

EXECUTE  
How?

VISUALIZE  
where?

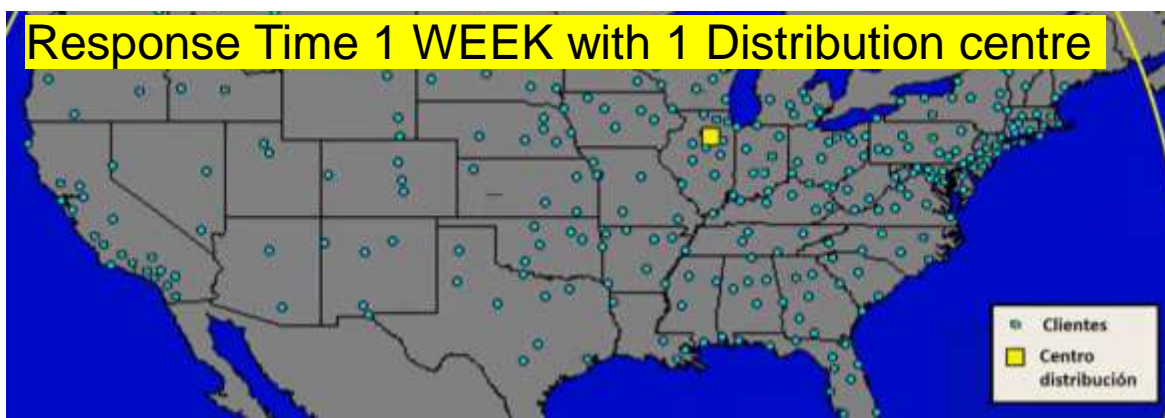
OPTIMIZE  
how?

## Questions GIS can solve:

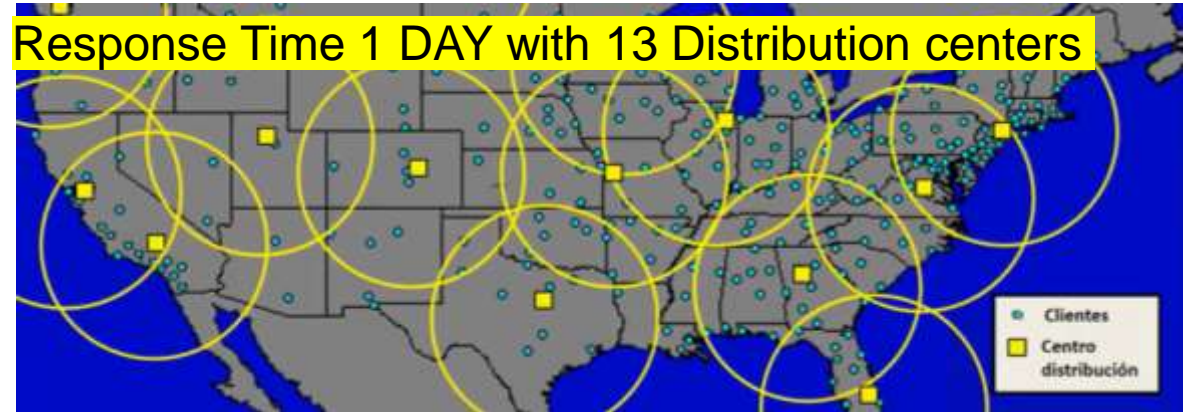
- How many facilities?
- Where should facilities be located?  
Manufacturing, warehouse/distribution, retail services  
ex. OLA, Amazon
- What market should each facility serve?
- Which supply sources should feed each facility?
- How much capacity should be allocated to each facility based on real estate availability?



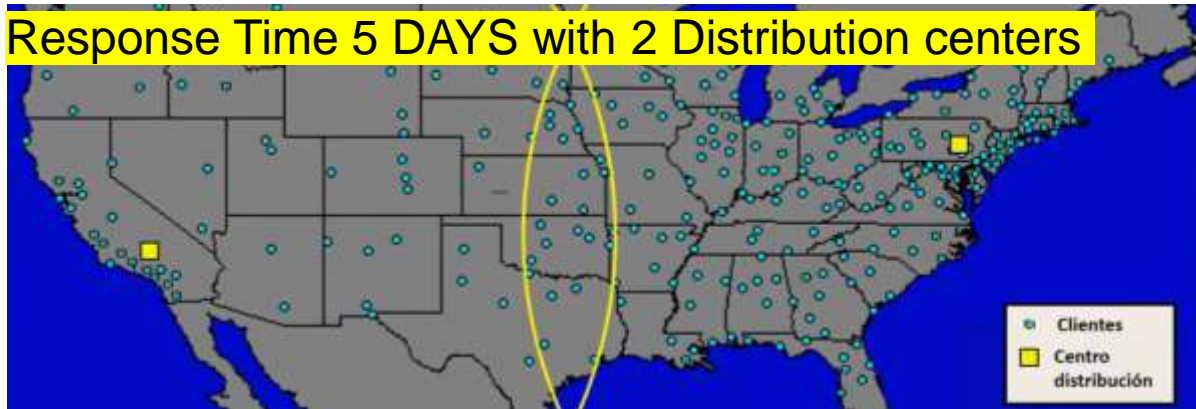
Response Time 1 WEEK with 1 Distribution centre



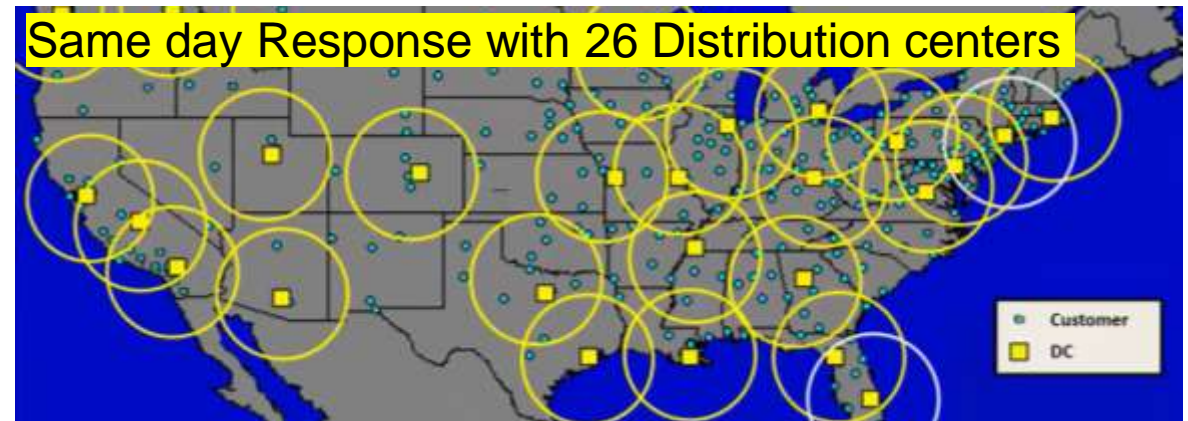
Response Time 1 DAY with 13 Distribution centers



Response Time 5 DAYS with 2 Distribution centers



Same day Response with 26 Distribution centers



Response Time 3 DAYS with 5 Distribution centers



## Geospatial professionals can help in:

- PLAN a supply chain logistics
- ANALYZE
- ASSET TRACKING
- ROUTE OPTIMIZATION through multi-mode routing
- INNOVATE through connected vehicle
- DISCOVER use of Autonomous vehicle in SCL



GIS  
can make  
SUPPLY CHAIN LOGISTICS  
an  
Intelligent SCL

2022



# THANK YOU

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