



IIT ROORKEE



NPTEL ONLINE  
CERTIFICATION COURSE

# Network Design in Supply Chain

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# Outline

- A strategic framework for facility location
- Multi-echelon networks
- Gravity methods for location
- Plant location models



# Network Design Decisions

- Facility role
- Facility location
- Capacity allocation
- Market and supply allocation

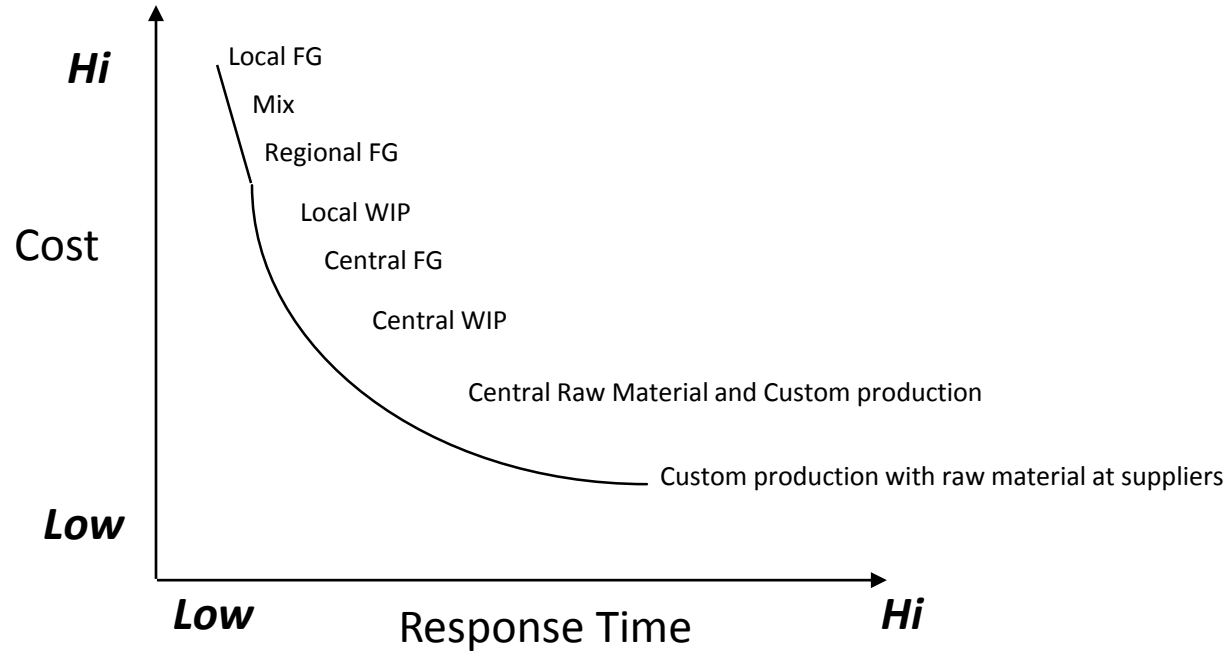


# Factors Influencing Network Design Decisions

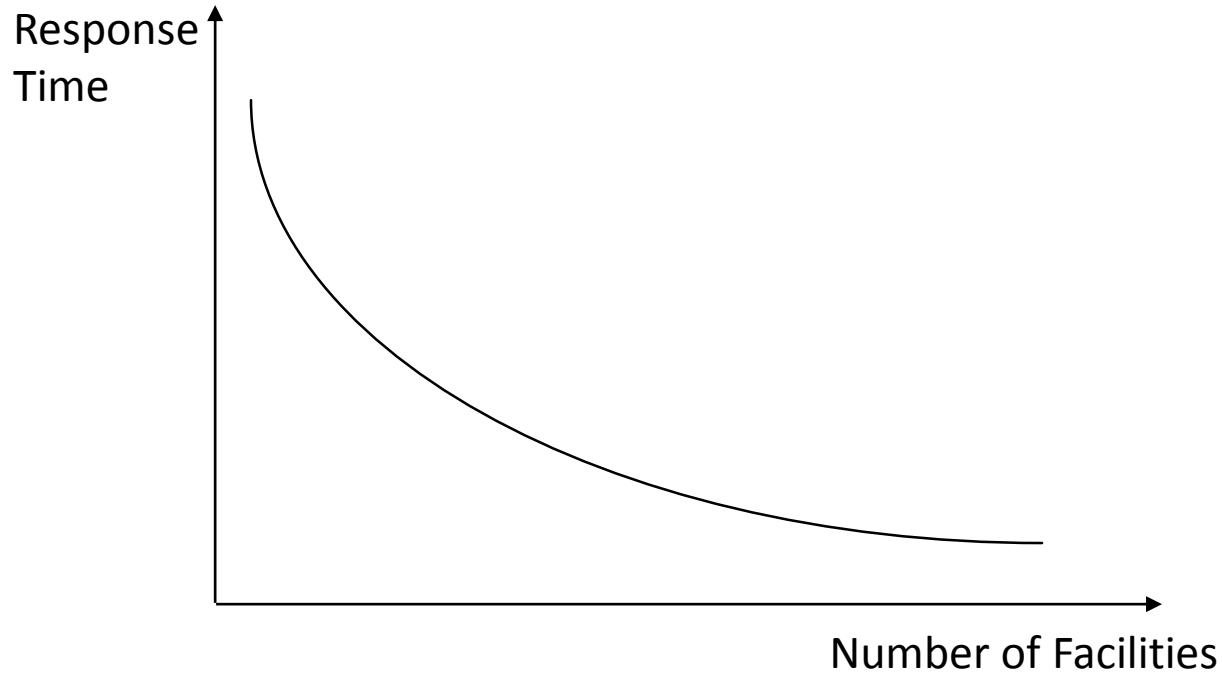
- Strategic
- Technological
- Macroeconomic
- Political
- Infrastructure
- Competitive
- Logistics and facility costs



# The Cost-Response Time Frontier



# Service and Number of Facilities



# THANK YOU

