

# Innovation in Production and Logistics



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Vice President: In-Bound Logistics & Supply Chain,  
Exports & Customs Ops. and Forward Model Costing,  
MP&L, Ford Motor Pvt Ltd., Asia Pacific, MEA & South America

# In-Bound Logistics, Supply Chain & Customs– Now Near Far



E Invoicing



Mobile App for Track and Trace



Live Dashboard Performance / Stats



OCR / IOCR SL4 / Iproof



Cognitive BoT RPA ++ ( Pega / JDA)



Autonomous Supply Chain

- Luminate Control Tower
- AI / ML Capabilities



Digitization of the PING- Haptic



Digital Twins



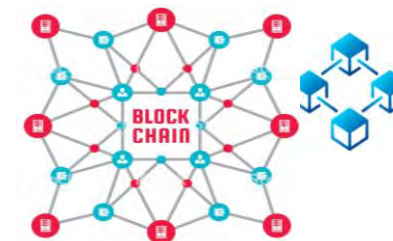
Local / Import Control Tower Proof of Concept with JDA Luminate

New Trend , Time to Market , Do More for Less

JDA Supply Chain Strategist



Automatic Payment Trigger In plant Traffic Control



BOTs



D-Day Dynamic Network Planning



Data Analytics



Automated KPIs



API Connectivity

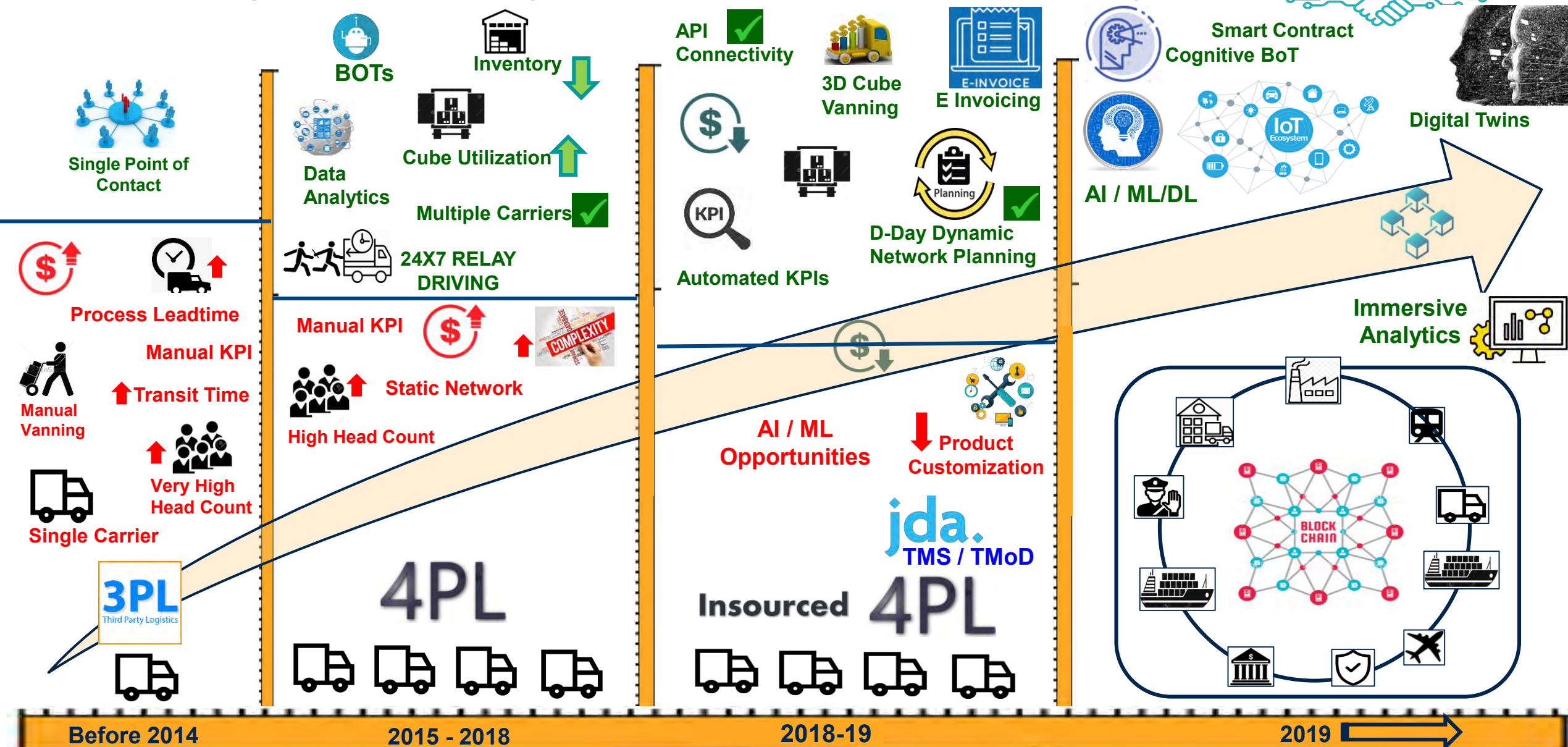
Now 0 – 12 Months

Near 12 - 24 Months

Far > 24 Months

Transformative Journey Towards End-to-End Digitization & Automation

# In-Bound Logistics & Supply Chain - Transformative Journey

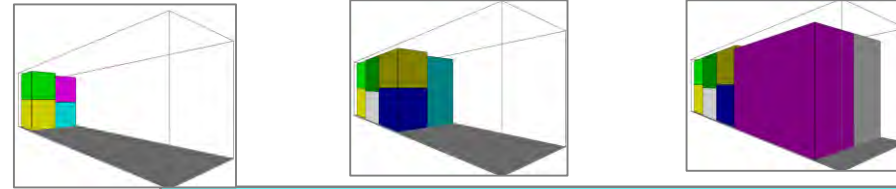


Transformative Journey Towards End-to-End Digitization & Automation



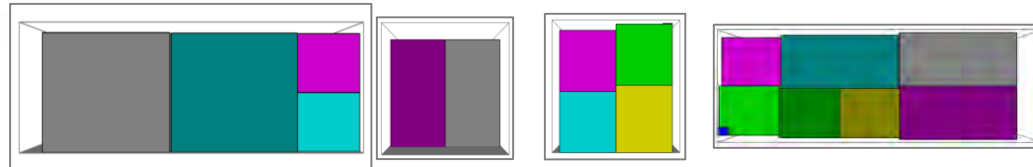
# End-To-End Digitization – 3D Vanning // Magic Of A “Ping”

## Optimized Cubing by 3D Vanning at Network Design Stage

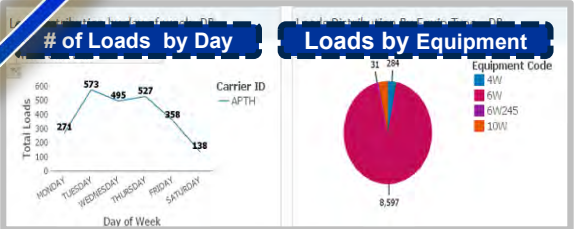
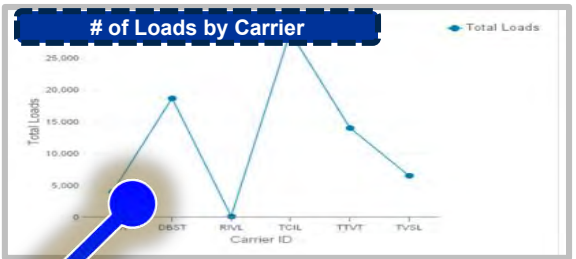
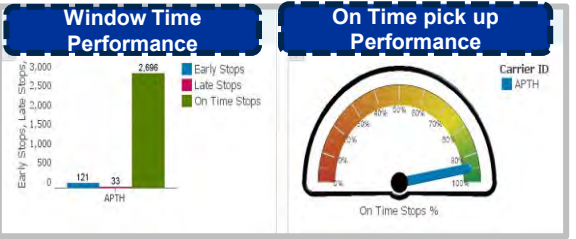


3D Loading / Vanning Sequence

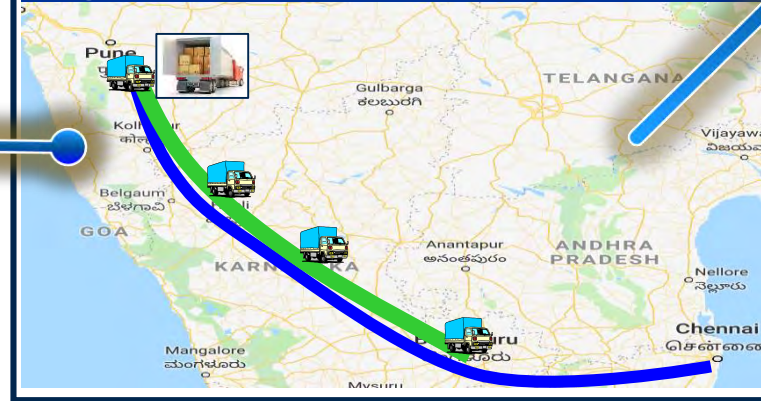
Embedded Details: Part No/Weight / Pkg Type/ Dimensions/ Orientation



## Digital / 24x7 Live Dashboard



## Digital / Live / Mobile Track & Trace



TMS / TMoD

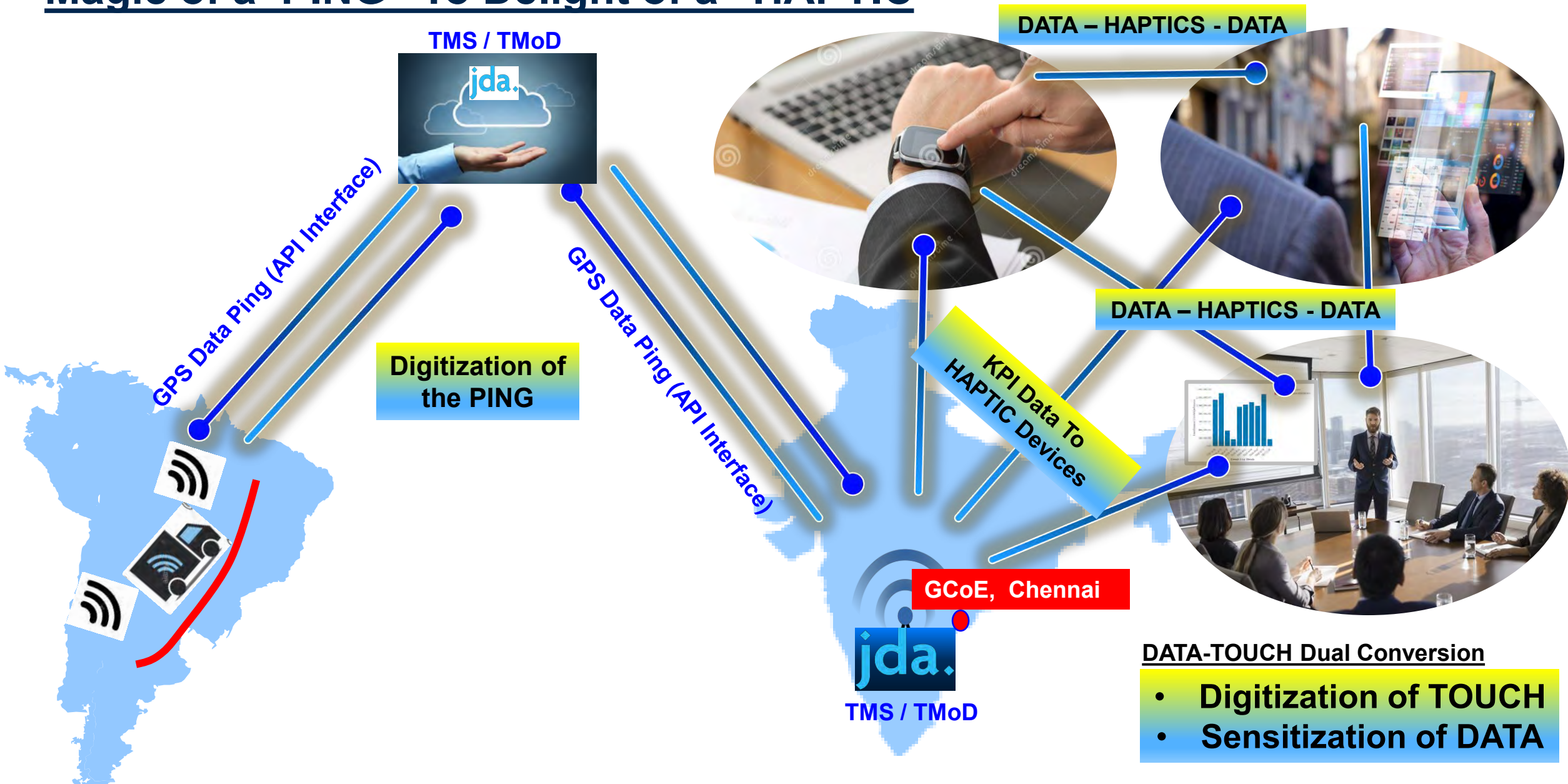


GPS PINGS

GPS PINGS

Digitization of Logistics has Enabled Real-Time Visibility, Track & Trace and Automated KPIs

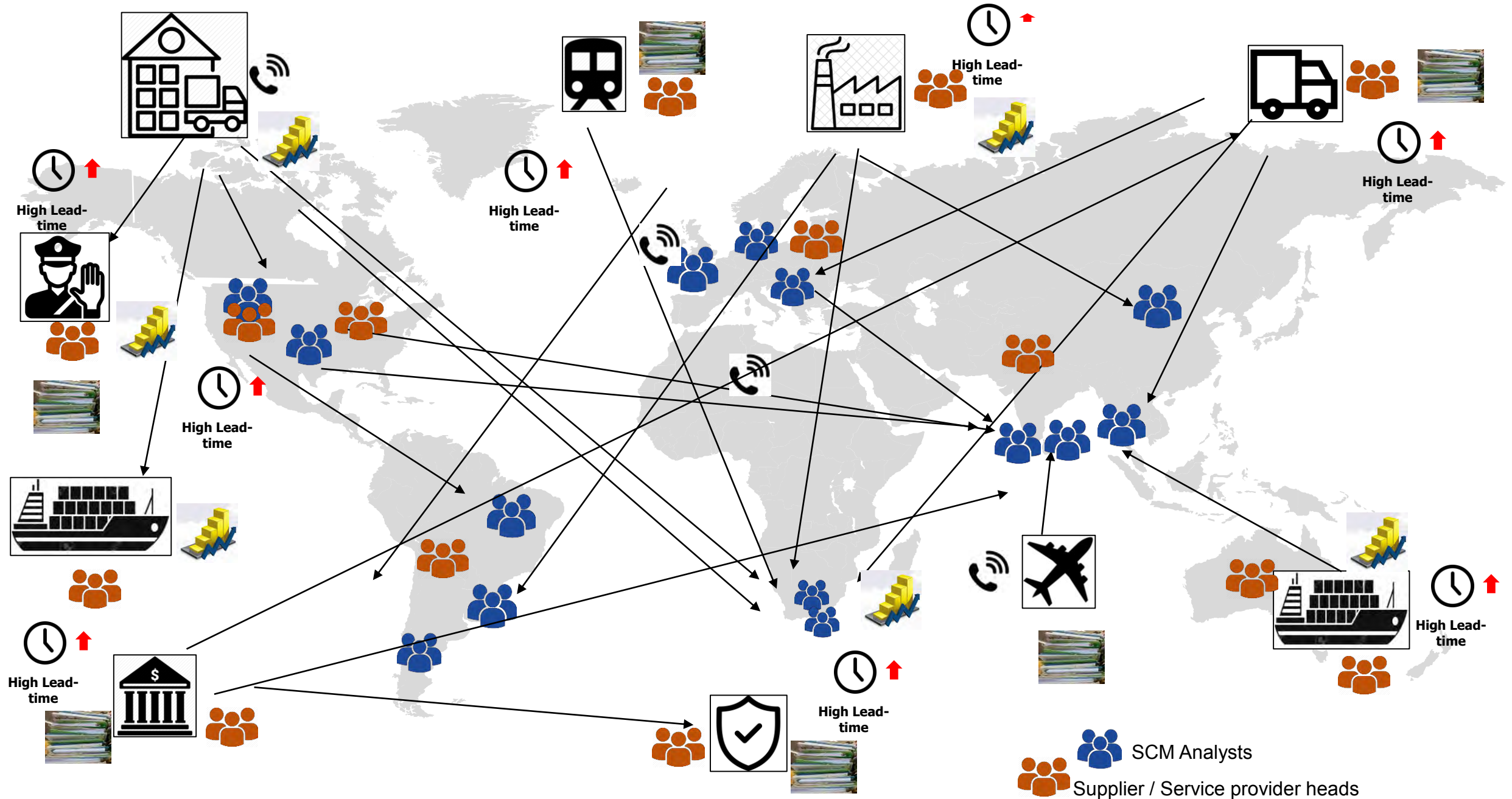
# Magic of a 'PING' To Delight of a "HAPTIC"



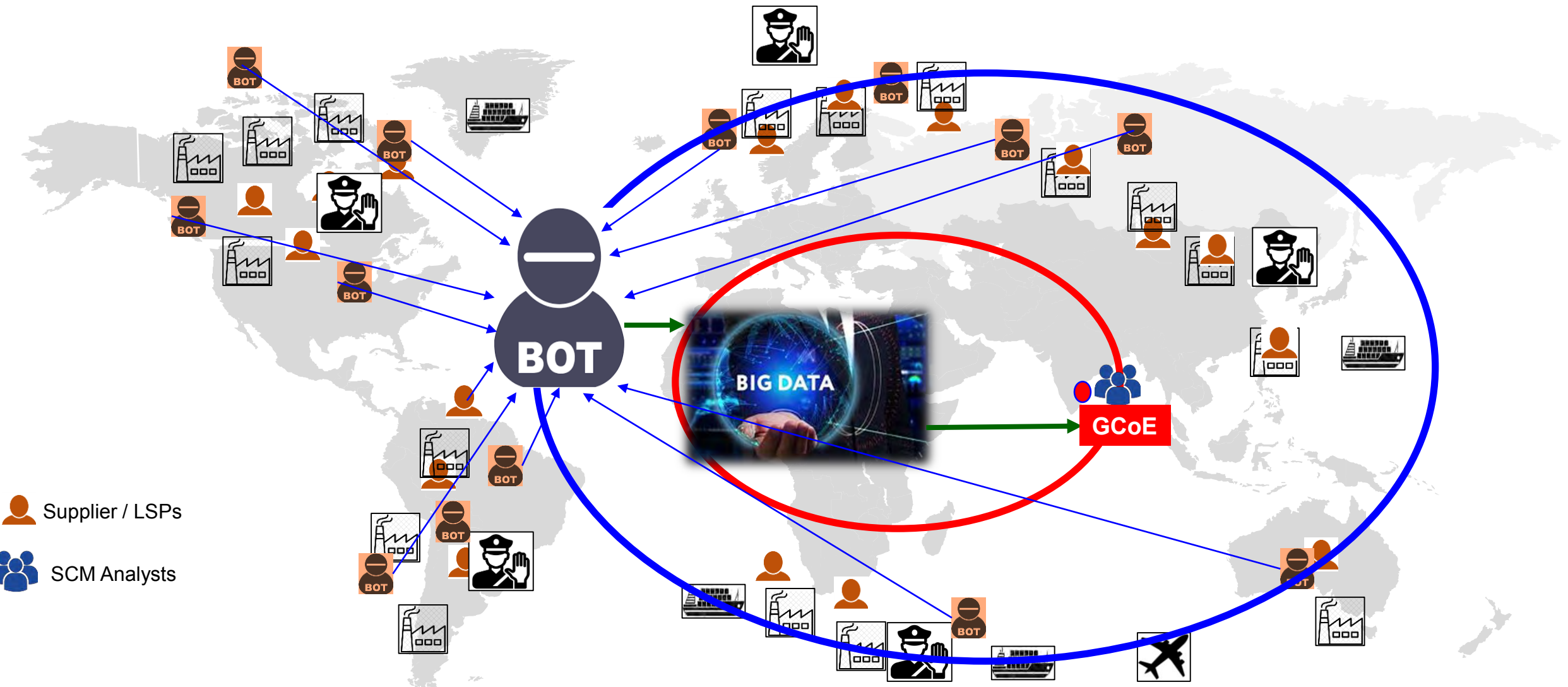
HAPTICS Technology To Play Significant Role In Automation Thru "Data-Touch-Data" Conversion



# Current State of Global Supply Chain Model : Highly Un-Sustainable



# Future Supply Chain Model – Radically Automated and Self-Sustaining



**Autonomous & Self-Sustaining Supply Chain of the Future – Freeing up Vital Human Resources**