

CONNECTED EXPERIENCES

Technology delivering business impact

TRAVEL • TRANSPORTATION • LOGISTICS • HOSPITALITY



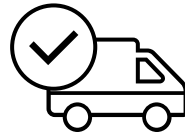
LogiTrack: REAL-TIME
SUPPLY CHAIN VISIBILITY

CHALLENGES – CURRENT LOGISTICS OPERATIONS



CARGO VISIBILITY

Currently, operations lack shipment visibility and 3PLs are dependent on carriers for any delay information



CARGO QUALITY

Poor Handling of cargo during transit can lead to damage and claims



RESOURCE PRODUCTIVITY

Manual tracking of Cargo is a very time consuming activity and increases company expenses



ROUTE OPTIMIZATION

3PLs find it difficult to optimize truck routes which results in increased fuel expenses



SPECIALITY CARGO TRACKING

3PLs are currently not able to track temperature, pressure etc. required to maintain the quality of special cargos. This can lead to product quality issues and loss for the customer.



TECHNOLOGY UPGRADE

3PL's need to adopt the latest emerging technologies available in the market to remain competitive

AREAS IMPACTED – CURRENT PROCESS

Shipment Quality

- Damage of cargos
- Attempted pilferage
- Safety concern

Customer Satisfaction

- Meeting customer SLA's
- Accurate operational metrics

Tracking

- Status of the shipment
- Lack of visibility
- On time shipment delivery

Information Accuracy

- Impact in decision making
- Additional procurement cost

Inventory control

- High inventory cost
- Dead inventory due to visibility
- Increase in cost per component

Shipping

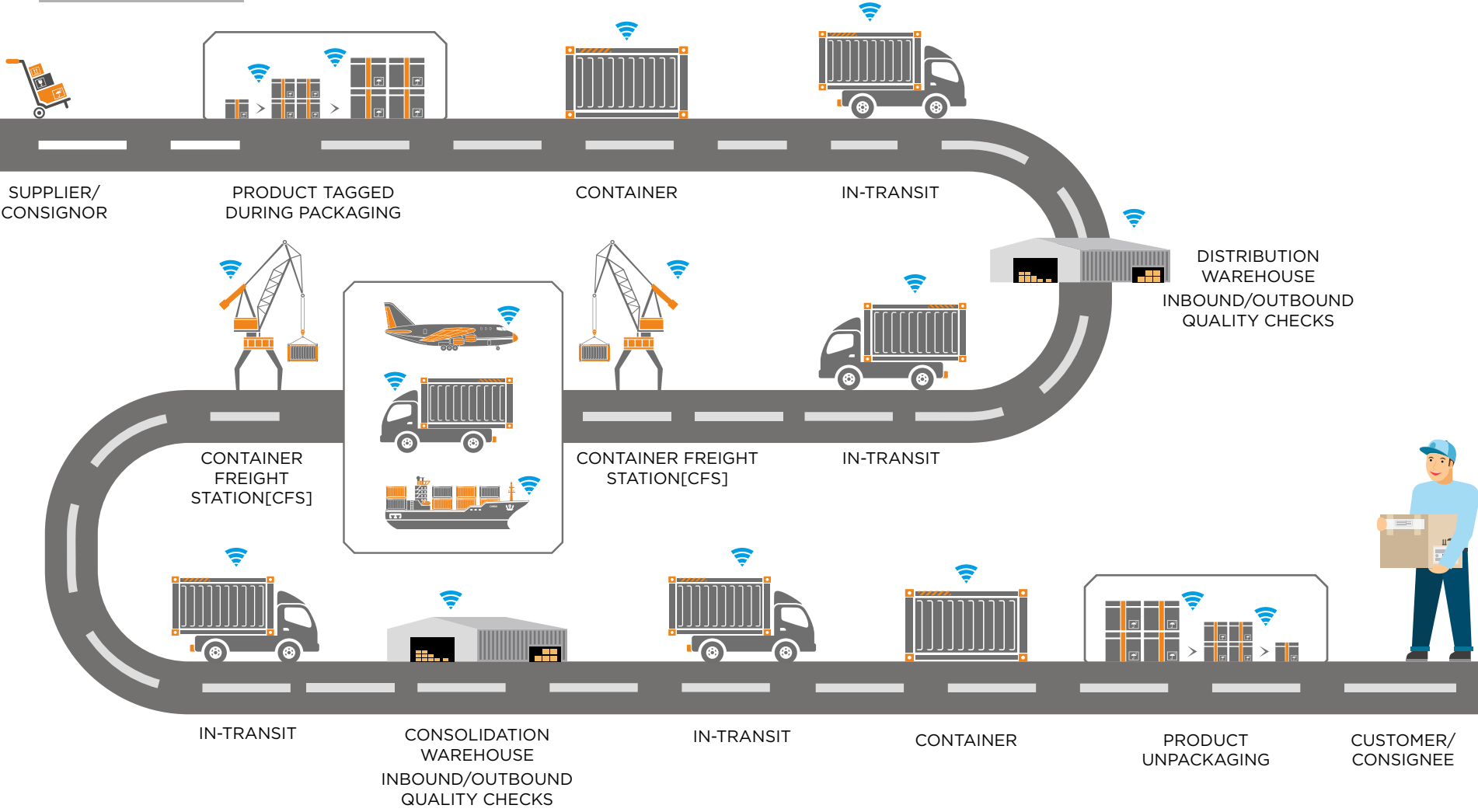
- Misrouting of shipments
- High insurance cost

Internal Vendor Service


- Violation of SOP's
- Stock mix-up
- High inventory carrying cost



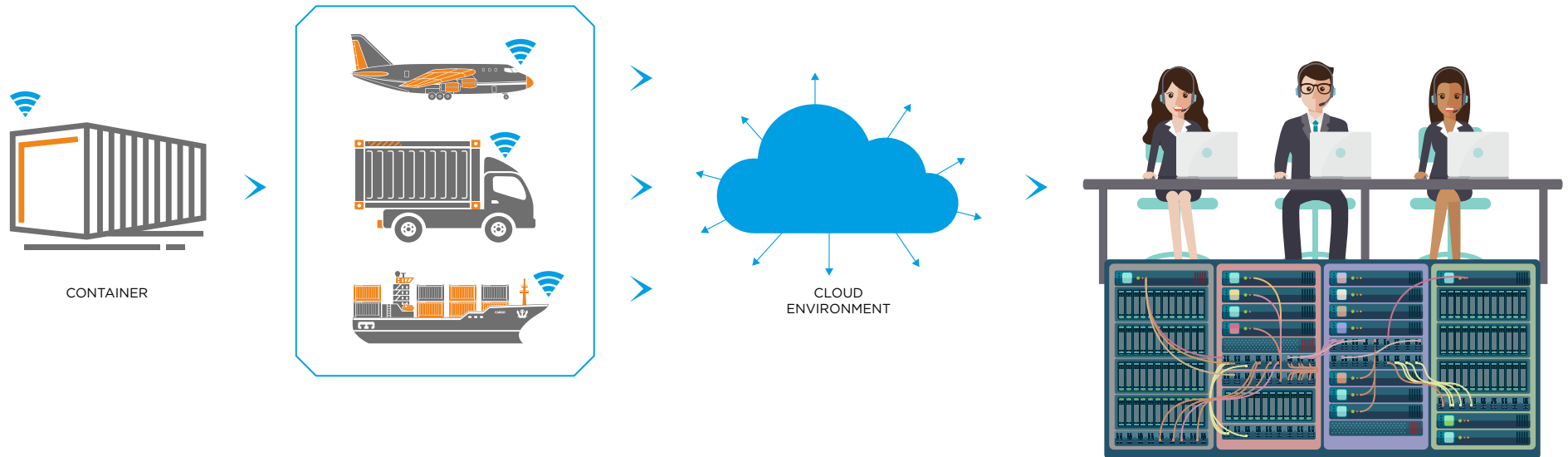
LogiTrack: REAL TIME TRACK & TRACE



**SHIPMENT HEALTH PARAMETERS MONITORED ACROSS THE VALUE CHAIN:
TEMPERATURE | PRESSURE | HUMIDITY | TILT & SHOCK | LOCATION ETC.**

 *Points where quality of the environment to be measured*

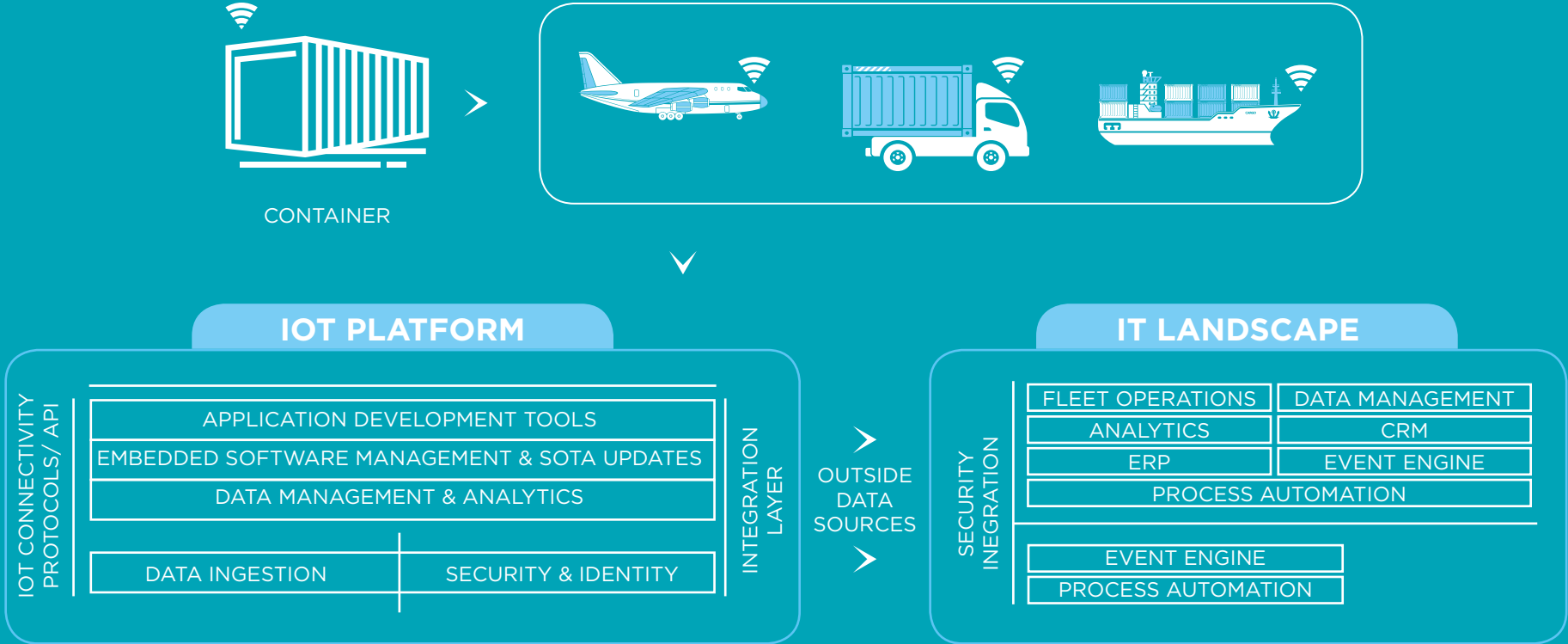
DEVICE COMMUNICATION OVER CLOUD



SOLUTION HIGHLIGHTS

- REAL-TIME TRACK & TRACE
- SHIPMENT HEALTH MONITORING
- CUSTOMIZED REPORTS AND DASHBOARDS
- AUTOMATIC ALERTS
- ROUTE OPTIMISATION

LogiTrack: REFERENCE ARCHITECTURE

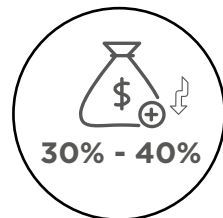


VALUE PROPOSITION FOR 3PL'S



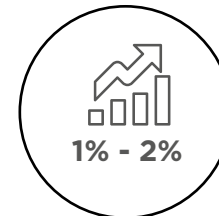
REDUCED OPERATING EXPENSES

- Reduced time for track & trace
- Improved accuracy of tracking data
- Reduced time to respond to changes
- Reduced WISMO calls from customers
- Improved inbound quality checking process
- Efficient order fulfilment cycle



INCREASE REVENUE FOR VALUE ADDED SERVICES

- Shipment health monitoring
- Location services
- Customs clearance tracking
- Shipment analytics
- Warehouse inventory tracking
- Automatic alerts



SUCCESS STORIES



HCL HELPED WORLD'S LARGEST CHIPSET MANUFACTURER WITH
REAL-TIME SHIPMENT TRACKING USING IOT



HCL DEVELOPED A SMART VEHICLE TRACKING AND PAPERLESS
TRUCKING SOLUTION TO OPTIMIZE DAY-TO-DAY OPERATIONS OF
WASTE COLLECTION FOR **A LEADING ENVIRONMENTAL COMPANY**



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