# Kale Logistics

Technology that Transforms

# Electronic Delivery Order (e-DO)

One step closer to paperless trade

# Agenda

1. Current industry challenges under COVID-19
2. Introduction to e-DO
3. E-DO Block Diagram
4. Process flow
5. Key Functions
6. Key Benefits
7. Complete e-services suite
8. About Kale Logistics Solutions
9. Way ahead

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# Present industry challenges under COVID

Over the past weeks and months, the COVID-19 pandemic has emerged as a significant global challenge that is creating disruption across the world with the logistics industry being pushed to the brink.

**Shortage of staff at Shipping Line office due to COVID-19 pandemic**

**Long wait hours for agents in queues to submit documents, pay charges and collect DO**

**Risk of spreading the disease with paper contact and touchpoints**

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# Introduction to Electronic Delivery Order (e-DO)

**e-DO**

| | |
|---|---|
| e-DO Request | Consolidator / Freight Forwarder |
| Invoice Generation | Shipping Line / Shipping Line Agents / NVOCC |
| Invoice Payment | Importer |
| Release Order | Customs |
| Assign Vehicles | Transporter |
| DO Copy | Port |
| Cargo Delivery | Terminal |
| Gate In Details | Empty Depots / Container Depots |

- Enables secure exchange of information among Maritime stakeholders
- Improved shipment dwell time
- Elimination of paper & cash transactions
- No Human Intervention
- Speedy Implementation and GO Live in 2 weeks
- No upfront investment

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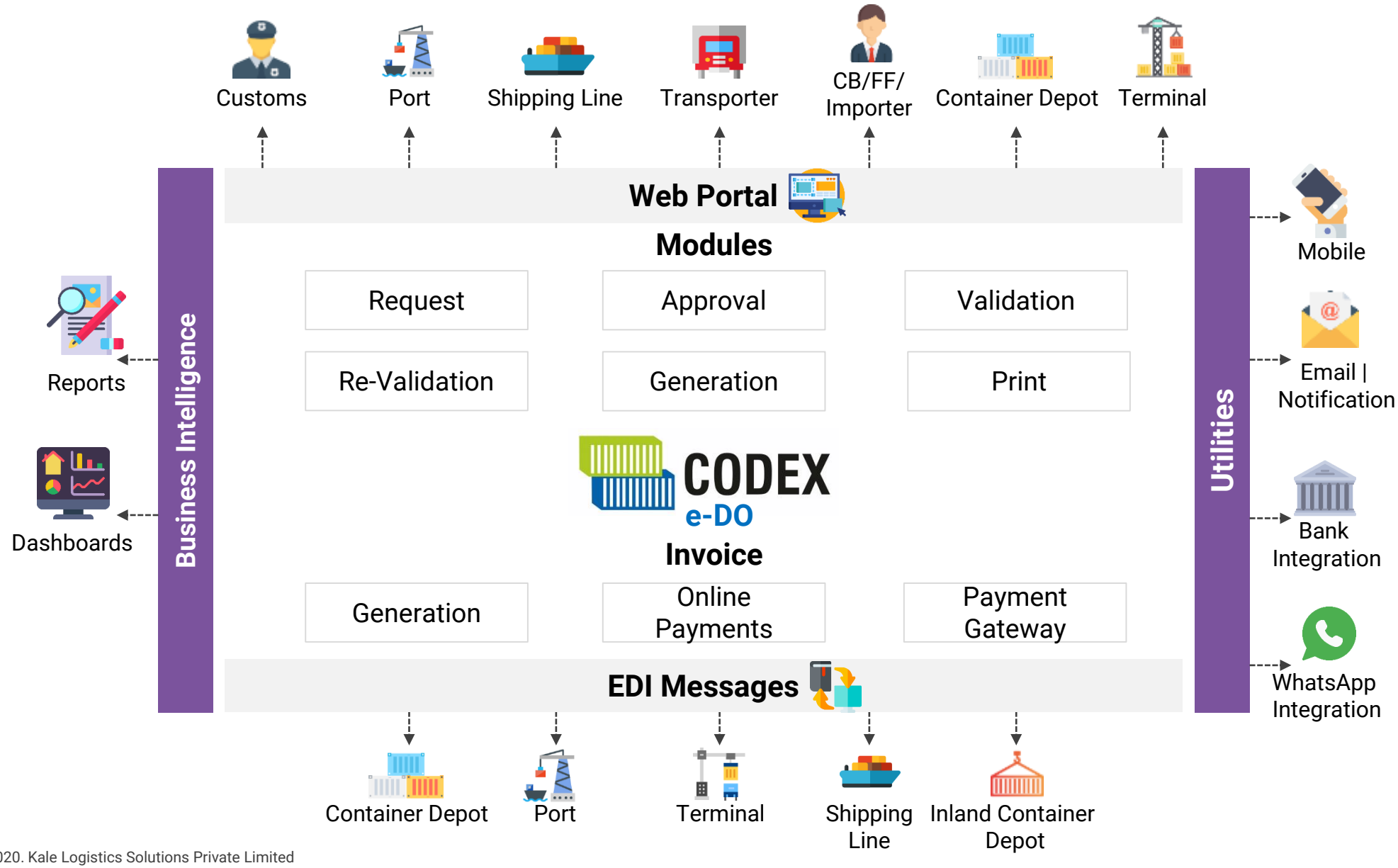
# e-DO Block Diagram

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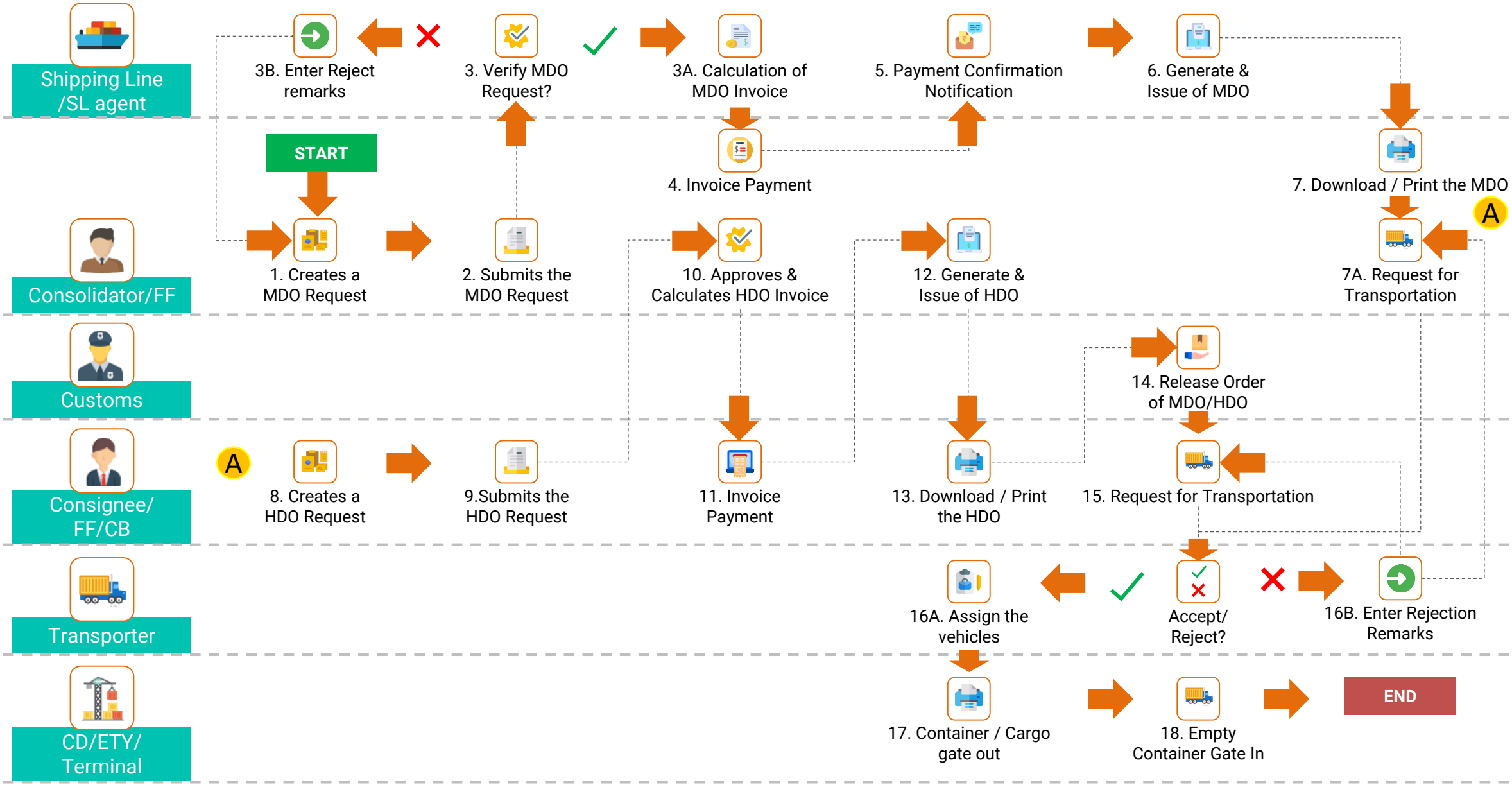
# Process Flow

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# Functional Modules

User Registration

- Stakeholder wise User Registration
- Two level authentication of User registration is maintained
- Organization and User details is captured
- Provision to upload multiple documents of Organization

Request /Approve

- Provisions to Create Master & House Delivery Order request
- Creation of e-DO request with XML Integration of Manifest files for MBL / HBL
- On Line Validate / Re Validate functionality
- Single platform for Shipping line / Consolidator to approve multiple DO

Invoice & Payments

- Provisions to Generate & Upload Invoice
- PDA / Wallet payment functionality
- Secured Online payment gateway with various Options
- Configuration for Multiple Charge heads

Generate / Upload DO

- Issuance of e-DO to stake holders by Shipping Line / Consolidators
- Generation of PDF and EDI Delivery Order
- Provisions to Upload Mater & House Delivery Order
- Single platform for all stakeholders to View & Download e-DO

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# Functional Modules

Transportation

- Ability to request for Transport once the DO is issued
- Provision to Assign the vehicle / Reject the request
- Captures the Vehicle details
- Provision to assign to Multiple Transporters in single request

e-Docket Repository

- Ability to capture & upload multiple documents in various formats
- Single repository view for all uploaded documents
- Single platform for all stakeholders to view & download all documents
- Audit trails for all uploaded documents

Business Intelligence

- Business Intelligence based Dashboards for all stakeholders
- Multiple Reports and MIS for major stakeholders
- Organisation based Roles and Rights can be defined
- Print the Invoice and DO details

Utilities

- Email configuration and notification on every milestone completed
- WhatsApp integration and notification on every milestone
- Generation of EDI/XML messages of e-DO
- Integration with Banks for Payment Mechanism

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# Pre & Post Scenario

| Stakeholder | Pre Scenario | Post Scenario |
|---|---|---|
| **Freight Forwarder** | Request for DO Manually in SL office<br>Counter 1 : Submission of Docs<br>▪ Bill of Lading<br>▪ Letter of Indemnity<br>Counter 2 : Invoice Payment<br>Counter 3 : Collection of DO Hard Copy | Request DO Online<br>Submission of Docs Online<br>Invoice Payment online (all modes available)<br>DO Copy online |
| **Shipping Line (SL)** | Counter 1 : Verification of Docs<br>Counter 2 : Invoice Generation and Payment Confirmation Receipt<br>Counter 3 : DO Generation and submit hard copy to FF | Approve/Reject/Hold DO request online<br>Invoice Generation & Payment Confirmation online<br>DO Generation & Issuance of DO to major stakeholders (FF/TL/ED) online |
| **Freight Forwarder (FF)** | Request for Transport Manually in TP office<br>▪ Request for No. of Vehicles<br>▪ Submit DO Copy | Request for multiple TP online<br>▪ Submit Transport request online<br>▪ Submit DO Copy |
| **Transporter (TP)** | ▪ Approves the Vehicle Request<br>▪ Submits DO Copy to Truck Driver | ▪ Online Approval to TP request<br>▪ Access to DO Copy |
| **Terminal (TL)** | Receives DO Copy from Truck Driver and Verifies it | Prior DO information is available online |
| **Empty Depot (ED)** | Receives DO Copy from Truck Driver and Verifies it | Prior DO information is available online |

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# Key Benefits

## End-to-end Master/House e-DO process mapping

- Connecting all stakeholders on single platform with minimal data entry
- Master/House e-DO solution offers end to end process mappings of multiple scenarios

## Track and Trace

- Complete records of the data entered in the system
- Easy access to information
- Complete visibility of Payment/Approval status
- Real time data and significant reduction in workload for customer support

## Security

- Data is safe and secure
- Secure online transaction and prevention from phishing and hacking
- Increased productivity and boost customer confidence
- Email notifications on each milestones

## Reports

- Reports for reconciliation of transactions and payments
- Status update report for all stakeholders

## Document Repository

- Having access to organised data such as DO, HBL, MBL, Invoice copy in one location.
- Audit trail for shipment and payment information

## Payment Mechanism

- Online payment gateway provision along with options of Card Transfer, Bank Transfer and Digital Wallet
- Provision to do top up for Multiple transactions over a period of time.

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# Benefits to Stakeholders

## Ports / Terminal / CFS / ICD

- Contactless and Paperless
- Integration with TOS bringing in clear visibility of e-DO details.
- Email alerts
- Efficient digital communication and End to End Shipment Visibility
- Helps in reducing congestion in port precinct

## FF / Consignee/ Customs Broker

- Cost savings resulting from reduced paper-work
- Real time visibility of Delivery Orders released in a secured manner by respective carrier / consolidator
- Reduced errors due to automation
- Reduced costs in handling enquiries
- Faster and efficient transmission of shipment data to cargo stakeholders

## Transporter

- Multiple inquiries on Single platform
- Increase in Business and revenue
- Assigning vehicles through system
- Reduced costs in handling enquiries and bookings
- Transparency & track of data which will help in Invoice calculation

## Shipping Line / Line Agent / NVOCC

- Reduced costs in handling enquiries
- Faster and efficient transmission of e-DO data to cargo stakeholders
- Faster revenue realisation with online payments
- Reduced dwell time in clearance process
- Cost savings resulting from reduced paper-work

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# Complete Suite of e-services for your business continuity

## Air Cargo

PING services – converting .pdf documents to system data

Electronic Delivery Orders (e-DO) between the Airlines and Forwarders

Electronic Terminal Charges Payments

Electronic Airway Bill (e-AWB)

Electronic Consolidation (House) DO

Electronic Manifest Filing for Airlines

Electronic Consolidation Manifest Filing in Imports for Forwarders

Electronic Certificate of Origin (e-CoO)

## Maritime Trade

e-FAL

Electronic Delivery Order (e-DO)

Container Appointment & Slot Management

Container Booking & Empty Release Order

EDI Message Service

Shipping Instructions

Electronic Manifest

Electronic Certificate of Origin (e-CoO)

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# Company Overview

## Leading Provider of Operational and Community Integration Solutions to the Government, Maritime, Aviation & Logistics Industry

**4500+**
Customers

Customers in
**25+**
Countries across the world

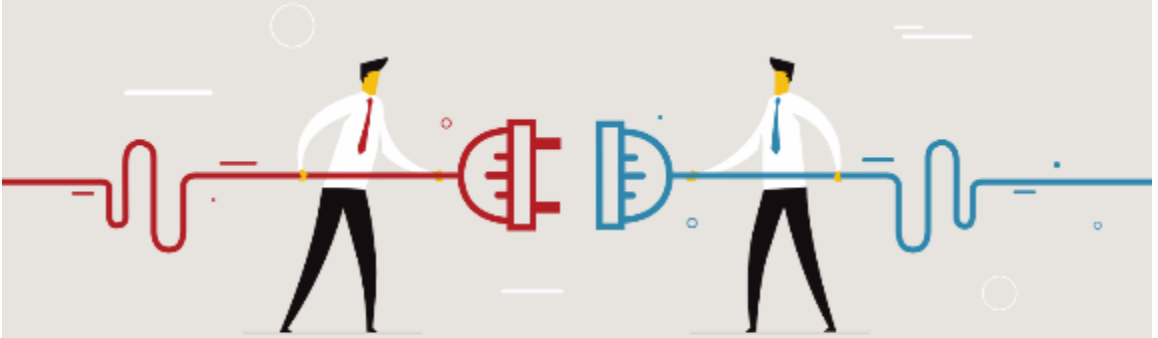
**200+** Techno-functional
Professionals

**10+**
Years of existence

Industry recognition – Best Innovative Trade Facilitation award from United Nations, Top 10 innovations in Logistics industry by KPMG, case study feature in Kellogg's Business School publication, adopted by Indian Customs and presented as a case study to PM of India

# Thank You

## Connect with us

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