

Gateway SpotLight, a special feature by *Maritime Gateway*, showcases the unique initiatives of business groups across maritime sectors in their products, services and processes that helps them achieve and sustain better productivity, efficiency, environment conservation and above all judicious business practices. **Gateway SpotLight** provides an opportunity for businesses to bring to light their best practices at work and thereby such a FOCUS.

codex
logo

Presenting  under this feature.

Tuticorin Port creates history, makes India's first Container Digital Exchange: CODEX

At the Maritime India Summit 2016, CODEX Mobile APP - India's first Mobile App for container stakeholders operating at Tuticorin Port was launched.

Scenario with CODEX: Container Digital Exchange

A robust EDI based community platform-CODEX is designed to offer the stakeholders of ocean trade with a clear visibility on container movement. CODEX platform enables seamless movement of container from container depot (CFS/ICD) to port and from port to container depot under EXIM trade. CODEX facilitates communication, information exchange, connectivity and electronic processing of key business transactions/operations can be facilitated between all container stake-holders at the port and its related logistics value chain.

Container Tracking: Take the case of cargo stuffing, where CODEX captures the exact time when the laden container is out of the CFS gate for export and reaches point A- the toll gate. It captures the time taken between toll Gate and Point B at Port Gate. The fixed time distance between point A and point B is captured in the system. If there is any deviation, an email notification is auto generated for CFS operator, who can then track the Container Trailer location. This helps avoid pilferage/smuggling.

Real time Container Information: The CODEX Gate pass is bar coded to carry all information as required by various port entities. This information is scanned and readily made available to all the Stakeholders across the chain. The container stakeholders can now access this information from the Web and know the exact position of the container

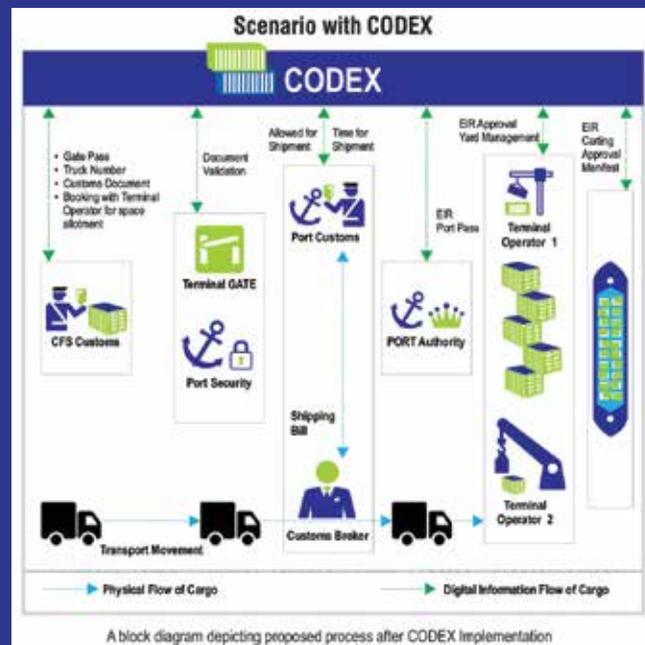
trailer, thereby leaving no scope for smuggling of goods, re-entry-of data, human errors and resulting delays.

Documentation: The documents created once at point A into the system are made available electronically to entire container supply chain on real-time basis, thus the port gate; security and customs know when to expect the container. The verification/approvals do not take as much time when the Port users start working with CODEX.

Milestone tracking: There is container milestone tracking information available to all stakeholders which takes care of present lack of visibility. Terminal operator can plan in advance which container to be brought to the container yard on priority.

CODEX: Key Highlights

CODEX is designed to provide 100% visibility in terms of shipment status to all stakeholders. It helps avoid gate congestion by allocating sufficient window of time for the shipment to move, thereby streamlining container traffic at the port. The digital exchange acts like a common





Mr. David Raja - President TCFSA (extreme right) signing MoU with Mr. Vineet Malhotra - SVP, Kale Logistics Solutions

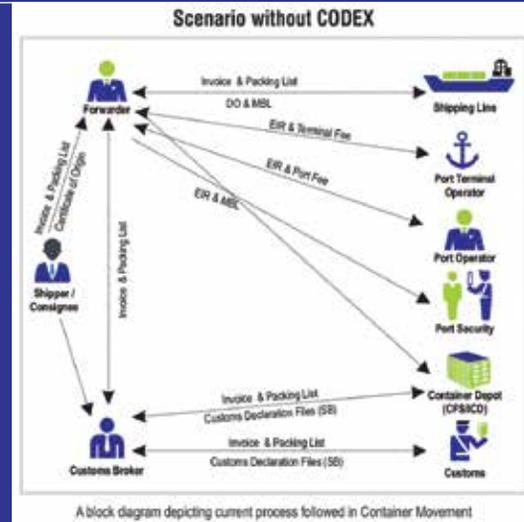
central platform where the trade can be monitored, related services offered, paper free transactions executed and required approvals sanctioned digitally on real-time basis. This ensures a congestion free terminal with no un-cleared shipment moving to the terminal. CODEX enables end-to-end automation & electronic movement of container documentation for all container stakeholders.

For terminal operator at port

- Endorsement / Approval of EIR
- Manage the incoming container traffic with a real time dashboard
- Visibility on terminal inventory
- Real time integration with terminal operation management system
- Send notification status pertaining to container loading
- vessel / offloading from vessel to the stakeholders

For port authority

- Online port pass registration for vehicle and driver
- Approval of port pass registration
- Visibility on number of port visit pass generated and its validity
- Know port statistics with respect to export and import container movement
- Receive direct confirmation into port management system from CODEX using Integration
- No manual recording pertaining to EIR in/out movement
- Get one click reports for port statistical data



Container Freight Station & Inland Container Depot

- Online CODEX pass generation (Export- Import)
- Direct visibility on EIR status
- Mile-to-mile tracking on container movement
- Port pass registration requests
- Port pass issuance control

For Customs

- Auto time control alert on container movement from CFS/ ICD to port & vice-versa
- Auto confirmation on import container scanning status
- SB / IGM wise auto confirmation on in/out movement
- Digitization allows for shipment checks

The outcome

CODEX is effectively digitizing the container movement at Tuticorin Port and delivering a multitude of benefits:

- Reduced dwell time from current 2.5 hours to only 25 minutes.
- One common information highway connecting all the entities
- Shipment visibility to each participant based on rights authorised
- Improved capacity planning at the port terminal
- Eliminates the possibility of un-cleared shipment moving to the terminal
- All shipment related documents are made available to the required entities for mandatory approvals & processing
- Shipper/ CFS/ ICD need not have any existing software for their operations

CODEX Mobile APP: A first for Indian container stakeholders

The mobile app is accessible from Google Play store for Android phones. It is an extension of CODEX and allows all stakeholders to Track the Container on real-time basis. The next step will be to enable other valuable functions on the mobile app, which will ensure that the stakeholders get the maximum benefit. [img](#)