



VnVCS
V&V Comptech Systems

FOCUS 2.0

One step billing solution for Logistics

Modular Architecture

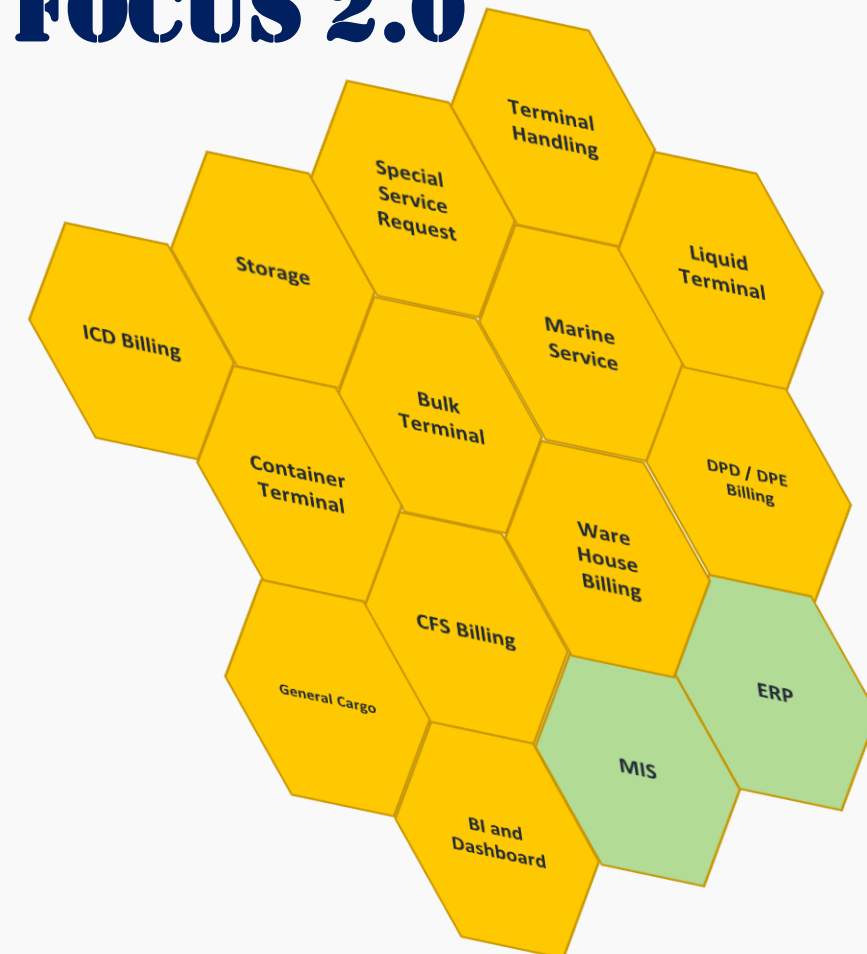
FOCUS – Centralized Billing System, is automated system, which interface with any Terminal Operating System respect to Container, Bulk, Breakbulk, Liquid, CFS, ICD, Warehouses and generate billing based on activities carried in operation, documentation and configurations. System provides to automate full billing system by minimal manual intervention along with exchange info with stake owners such as shipping line, agents, DPD customers and many more. EDI exchange helps to interface with E-invoicing / GST, ERP and many other statutory and proprietary requirements FOCUS 2.0 capable for interfacing with EXPRESS, N4, ZODIAC, CYBER LOGITEC, GTOS and other TOS solutions based on API available from TOS.

FOCUS 2.0 provides solution for

- System driven billing process
- Fully automated billing process
- Covers all Terminal Operations, Marine Operations, Liquid Terminal, Bulk terminal Billing
- ICD billing
- Online interface with ERP solutions like SAP, Oracle Finance, IFS etc
- Covers Taxation process
- Digital Signature Interface with Invoice PDF to the customer as per Indian Tax Requirement
- Auto mailing to Customer without manual intervention
- Portal for customer related to SSR and other activities

Many more.....

FOCUS 2.0



Benefits

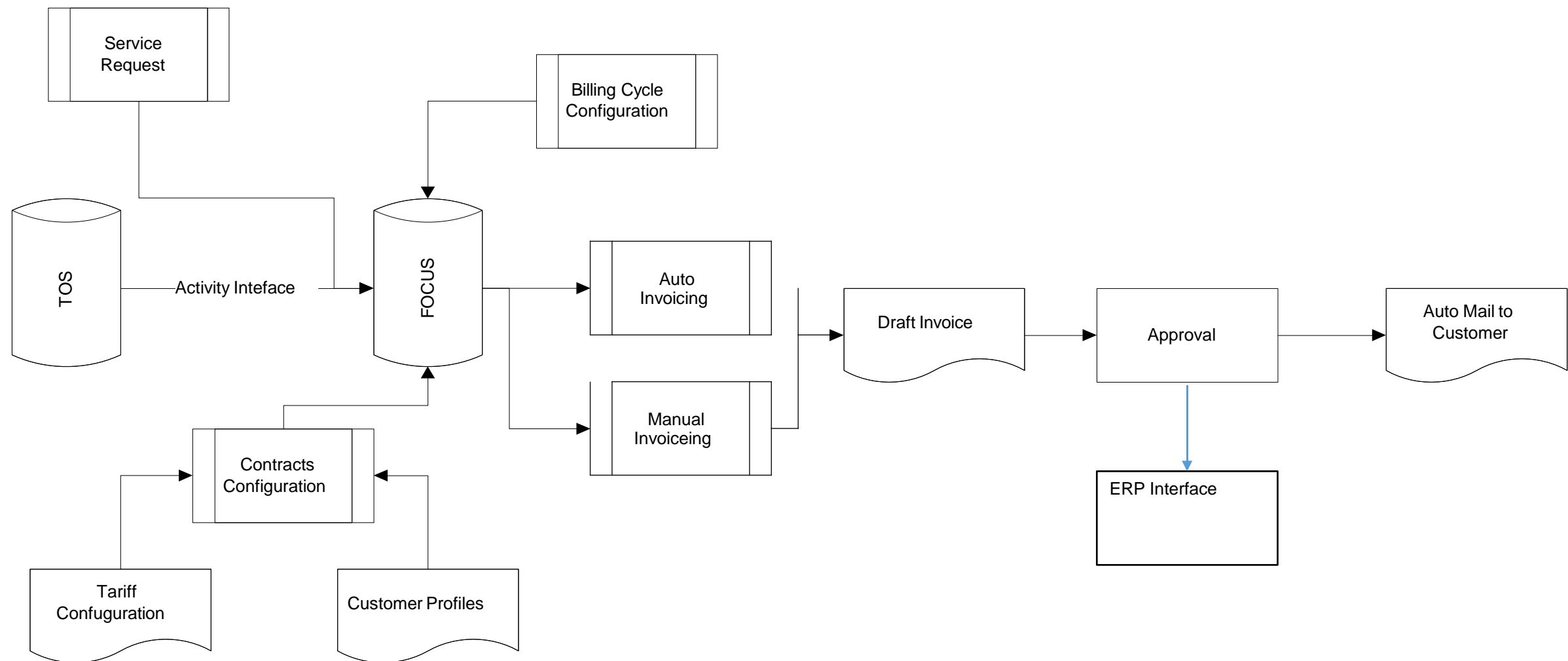
- DMS provides easy way for Documentation Management covers recording scanned documents at all stages
- User Define Configuration Engine – Provides rich facility for billing configuration with Operational activities
- Vessel, Gate, Yard and ICD Operation Billing with accurate and reliable data
- Automated Invoice generation based on activity completed , vessel sailed, duration basis without any manual intervention. Maker and Checker facility available with exception reporting process
- Online Data Capturing from TOS using APIs
- Customized Billing configuration provides configuration of billing based on customer requirements
- API for Interface with 3rd Party tools like Mobile Apps, SMS, Portals
- Dash Boards and Reports provides online analysis to the management
- Customizable solution based on local requirement

Securities

- HTTPS protocol secure the system from hacking and other interference
 - User control and access control availed in the system to provide limited usage to the user
 - Internal audit process maintains each and every activity recorded with time and user
 - Internal algorithm facility availed to avoid data level security
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- Operating System for DB Server and Application server is on Windows
 - Database is in MS SQL Server / Oracle
 - Development is on asp.net framework 4.0 with Angular JS and JQuery

Framework

Framework of Billing Process

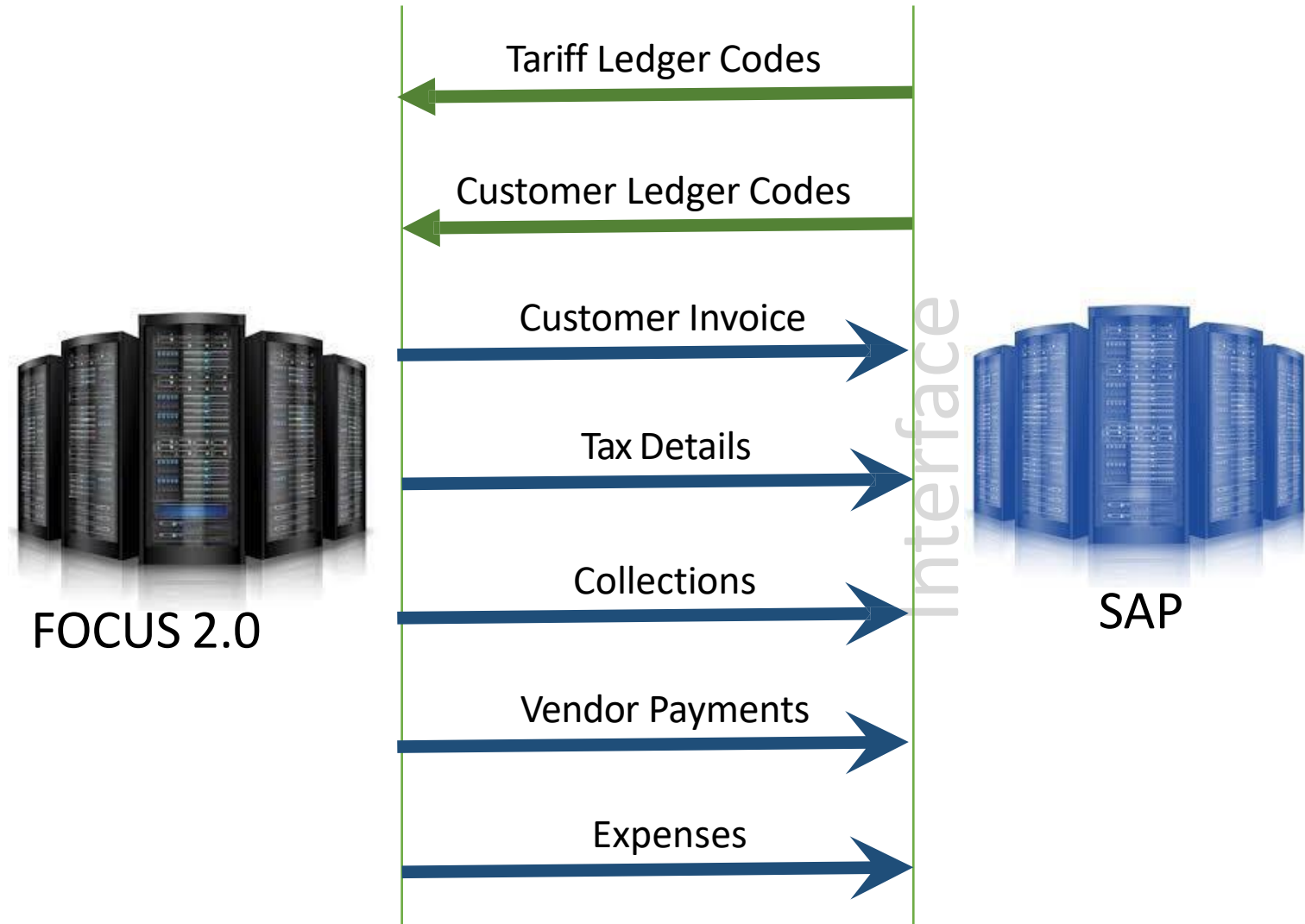


ERP Interface

FOCUS 2.0 ERP Solution interface with SAP, Oracle Financials and many more 3rd party financial applications

FOCUS 2.0 availed facility to interface with
Financial system for

- Customer Invoices
- Taxes
- Tariff Ledger
- Customer Ledger
- Credit Notes



System provides facility to generate invoices for all terminal and port operations - Marine, Container, Cargo, Bulk, Liquid and Special Services

Type of Billings

- Marine activity billing
- Documentation Billing
- Sea Side Container Handling billing
- Land Side Container and Cargo Handling Billing
- Container Storage Billing
- ICD Billing
- SSR Billing
- Bulk and Liquid Terminal activity Billing
- Miscellaneous billing
- Credit note generation

Documentation Billing

Charges will be automated based on TOS activities or manual request using Special Service Request from Portal and system will bill accordingly

System facilitated to bill related to documentation charges such as

- POD Change
- Seal Fixing
- Vessel / Voyage Change
- Roll Over Charges
- Shut Out Charges
- Shifting Charges
- Weight / Size / Commodity Change
- Late Arrival Charges (After Cutoff gate in

Sea Side Handling Billing

System facilitate billing of sea-side vessel handling such as

- THC Charges - Import / Export / TP / Restow Loading and Discharge Charges configurable based on size wise, commodity wise, status wise, foreign / costal basis, customer contract basis
- RESTOW Charges - Bay to Bay , Bay to Warf Restow Billing
- LOLO Charges - Lift On / Lift Off / Composite changes
- Lashing Charges
- Direct loading / direct delivery charges
- Reefer Charges – Monitoring Charges based on Shift / Day / hourly basis, Power On / Off charges
- HAZ Charges
- More user configurable charges based on activities

Charges will be automated based on TOS activities; system bill based on each vessel wise after vessel sail.

Land Side Handling Billing

System facilitate to bill land-side handling such as

- Customs Examination Charges
- Customs Inspection Charges
- LOLO Charges
- Cargo Handling Charges
- Cargo Delivery Charges
- Stuffing / Destuffing Charges
- Equipment Handling Charges
- Documentation Charges

Charges will be automated based on TOS activities; system would bill based on each BL wise / customer wise / vessel wise.

Billing Head	Type of Billing	Calculation based on	Calculation methods
Minimum Charges configurable	PORT Dues	GRT	Each Entry of Vessel
	Pilotage	GRT	Slab Wise For 2 Movements(Arrival & Departure)
	Berth Charges	GRT	Charges for Vessel to stay on Berth
With BALAST and Without configurable for billing	BPT Dues	GRT	Charges for Vessel which uses Channel of BPT
	Berth Priority Charges	One time	Charges for Special request
	Water Supply Charges	QTY	
Configuration based ATA / ATD / Invoice Date i Billing is Generated after Vessel	Penal Berth Charges	GRT & No of Hours	<u>Type of charges</u> <ul style="list-style-type: none"> Charges for False signalling – 24 hours Vessel ideal - 6/12/24 Hour Slab
	Pilot detention Charges	Detention Hours	
	Pilot Cancel Charges	No of Cancel	
	Shifting Charges	GRT	
	Add Tug Charges	No of Tug	
	Hatch Cover Charges	No of Hatch Handled	For each Shifting
	Re-berthing Charges	GRT	For additional Tug hire
	COSTAL/Foreign Billing		Hatch cover Handling Charges by JNPT
	Shifting on ONGC Nhava		Port Dues, Pilotage and Berthing Charges are applicable
	Vessel not berthing		Partial Billing of Vessel if Changed from Costal to Foreign if Changes
After Completion of Marine activity details, system Generate Invoice for Marine activity	Tug-Boat Hire to BPT		are done while on Berth
	Facility to Block PDA amount for approximate vessel related charges		Shifting Charges for Vessel Shifted to ONGC Nhava
			Port Dues, Pilotage and BPT Dues are applicable
	VIA/VCN Cancellation		Billing of VIA/VCN Cancellation

Storage Billing

System facilitated to bill storage charges such as

- Empty Container Storage charges based on line wise, vessel wise, periodic basis
- Import Container Storage Charges
- Export Container Storage Charges
- Cargo Storage Charges
- Reefer Charges
- Back to Town Charges
- Dry Out Charges

Charges will be automate based on aging of cargo or container.

Bulk and liquid Cargo Billing

System facilitated for Bulk and Liquid cargo charges such as

- Invoice for Vessel Related Charges
- Royalty Invoice if any
- Wharfage Charge
- Toll Charges if any
- Cargo Related Charges
- Ground rent calculation for Break Bulk
- Cargo Out of Charge
- Sludge Oil Billing (Wharfage, dwell time charges, Weighment charges and per ton revenue share of JNPT)
- Miscellaneous: water charges billing.
- Stevedoring Charges (Stevedoring And shore handling royalty charges.)

Special Service Billings

System facilitated for generate special service charges such as

- Water Supply Charges
- Sludge Removal Charges
- Special Equipment Handling Charges
- Cleaning of Container Charges
- HAZ Sticker fixing Charges

System provides to create any number of SSR types; system provides portal to the customer to rise the request for SSR with approval and escalation matrix.

Esteem Customer Using FOCUS 2.0

- APM Terminals, Algeciras - SPAIN – **with N4**

APM Terminals, Algeciras using FOCUS since 2015, which covers entire container terminal operation billing interface with N4 TOS (Navis). System interface with TOS using web service and API (Groovy). Billing is fully automated and interface finance ledgers with finance system. System handling the billing for the volume of 3 – 4 million TEUS capacity and handling multiple currency and contracts based on EU continental local requirements

Esteem Customer Using FOCUS 2.0

- Gateway Terminals, Mumbai – **With Express and N4**

Gateway Terminals, Mumbai is part of APM Terminals using FOCUS since 2017, started using in EXPRESS (navis TOS), and migrated to N4 on 2020. FOCUS 2.0 covers entire container terminal operation billing along with ICD Operation, DPD Billing, Credit Notes, SSR Billing along with GST and E-invoicing interfaces. System interface with TOS using DB Interfaces, web service and API (Groovy). Billing is fully automated and interface finance ledgers with finance system - IFS. System having billing configuration based on individual customer contract requirements. System handling the billing for the volume of 2 - 3 million TEUS capacity and handling multiple currency and contracts based on Indian sub continental local requirements

Esteem Customer Using FOCUS 2.0

- JNPT Port and Terminal, Mumbai – **With N4**

Jawaharlal Nehru Port Trust, Mumbai is part of Indian Government, handling container terminal, liquid, bulk and marine activity along with Port operation and terminal operation. JNPT using FOCUS since 2018, started using in EXPRESS (navis TOS), and migrated to N4 on 2019. FOCUS 2.0 covers Marine billing, Bulk Terminal Billing, Liquid Terminal Billing and entire container terminal operation billing along with ICD Operation, DPD Billing, Credit Notes, SSR Billing along with GST and E-invoicing interfaces. System interface with TOS using DB Interfaces, web service and API (Groovy). Billing is fully automated and interface finance ledgers with finance system SAP. System having billing configuration based on individual customer contract requirements. System handling the billing for the volume of 2 - 3 million TEUS capacity and handling multiple currency and contracts based on Indian sub continental local requirements

Esteem Customer Using FOCUS 2.0

- APSEZ, RORO Terminal, Mundra – **Native Application**

APSEZ, RORO Terminal - Mundra, is part of Adani Ports, handling RORO terminal. APSEZ, RORO Terminal using billing system along with TOS system since 2010. Which covers all RORO terminal billing and credit notes. TOS Billing interface with SAP for all ledger posting along with GST – E Invoicing interface

Thank You