Connecting Port & Customs to Business

through digitalization

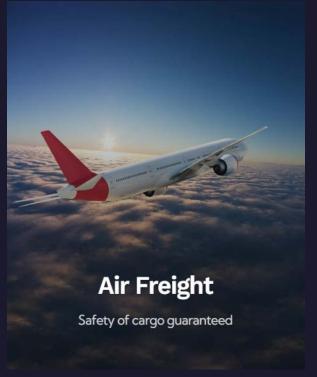
- MACCS Profile
- Role of MACCS in the Trade Community
- MACCS Portfolio of Services
- MACCS Cloud environment
- Customs linked to the Business Community
- Maritime Single Window
- MACCS Digital Transformation RoadMap















Appointed by the Government of Mauritius under the Customs Act

Public Private Partnership

- Government of Mauritius
- Mauritius Chambers of Commerce
- Mauritius Export Association
- Mauritius Port Authority
- Cargo Handling Corporation

MACCS since 2008

- MACCS is a trade facilitator in the cargo community. It operates the Cargo Community System to facilitate trade operations in Mauritius.
- Benefits in the Trade Community:
 - Security
 - Efficiency
 - Visibility
 - Transparency
 - Seamless Data Exchange

MACCS Role in the Trade Community



- Manage Trade information at source and disseminate to our stakeholders (Manifest, AWB)
- A strategic partner with local authorities to implement National Trade related ICT projects
- To promote Trade Facilitation through Digital Transformation.
- To automate Business Processes, provide Real Time Information, reduce dwell time and cost...
- Be a leader in providing World Class Trade Community Services & IT Solutions.
- Adopt the international best practices: WCO Safe Framework of Standards, Data Model,

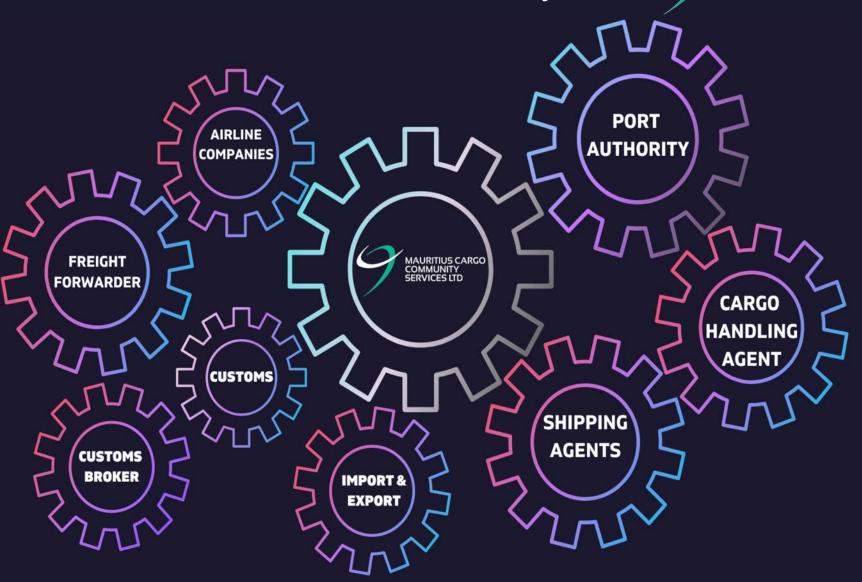
Single Window Concepts, Non-Intrusive Inspection, IoT and Analytics

MACCS Role in the Trade Community

MAURITIUS CARGO COMMUNITY SERVICES LTD

A key driver to catalyze automation of processes, data exchange and provide real time information to the stakeholders in the trade supply chain.

Building the Trade Ecosystem (Customs, Port and the Business Community)



MACCS Portfolio of Services



I. Cargo Community Services

- Ocean Import & Export Integrated information system operating in real time for Cargo stakeholders.
- Air Import & Transhipment Linking all Air stakeholders along the logistics chain, speed movement of goods being imported, exported or transhipped

2. E-Bunkering

 Streamlining the bunker booking procedure by shipping lines and agents with suppliers of bunker

3. Vessel Clearance System

Port clearance facilities for vessels entering/leaving the territorial waters

4. Warehouse Management System

A web-based WMS to manage Imports

5. MACCS Dashboard

Visibility on shipments tracking to minimise dwell time

6. Freight Forwarding System - MFreight

Internal system for Freight forwarders.

7. Ground Handling Agent (GHA) System

Manage Import/Export of cargo for GHA

8. Ground Sales Agent (GSA) System

 Electronic submission of trade documentation such as flight manifest for multiple airlines represented by GSA. Generate electronic papers such as Notice of Arrival and Delivery Request

9.WCO Trade Facilitation e-Services

 MACCS Consultancy and technical support on e-Certificate of Origin, Advance Ruling,

10. Development of e-Learning modules

- In-house e-Learning module development
- Hosting of Learning Management System on Moodle



ORACLE partner in Cloud Infrastructure

MACCS promotes cloud computing with its Software as a Service (SaaS) Model to its clients



Less Costs

The services are free from capital expenditure. There are no huge costs of hardware in cloud computing. You just have to pay as you operate it and enjoy the model based on your subscription plan.



24 X 7 Availability

Most of the cloud providers are truly reliable in offering their services, with most of them maintaining an uptime of 99.9%.



Flexibility in Capacity

It offers flexible facility which could be turned off, up or down as per the circumstances of the user.



All over Functioning

Cloud computing offers yet another advantage of working from anywhere across the globe, as long as you have an internet connection.



Automated Updates on Software

in cloud computing, the server suppliers regularly update your software including the updates on security, so that you do not need to agonize on wasting your crucial time on maintaining the system.



Easily Manageable

Cloud computing offers simplified

and enhanced IT maintenance

and management capacities by agreements backed by SLA central resource administration and managed infrastructure.

Control on the Documents

Before cloud come into being, workers needed to send files in and out as the email attachments for being worked on by a single user at one time ultimately ending up with a mess of contrary titles, formats, and file content.



Enhanced Collaboration

Cloud applications enhance collaboration by authorizing diverse groups of people virtually meet and exchange information with the help of shared storage.



Carbon Footprint

ADVANTAGES OF

COMPUTING

Cloud computing is helping out organizations to reduce their carbon footprint.
Organizations utilize only the amount of resources they need, which helps them to avoid any over-provisioning.



Security

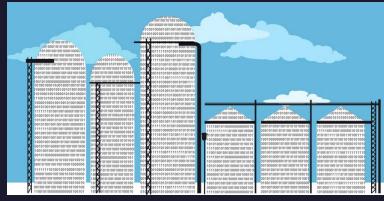
Cloud computing affers great security when any sensitive data has been lost. As the data is stored in the system, it can be easily accessed even if something happens to your computer.



Challenges: Information Systems in Silos



- Authorities & Private sector in the Trade community are operating Information Systems in silos
- Stakeholders submitting same information & documents to various authorities for approval
- Trade related payments are conducted at various controlling agencies
- Multiple system login to complete and submit a trade application (multiple entry of data)
- Inconsistency in document submission
- Delay in application process and consignment clearance
- Increase in dwell time and cost of trade



Information Systems in Silos

Port & Customs linked to Business



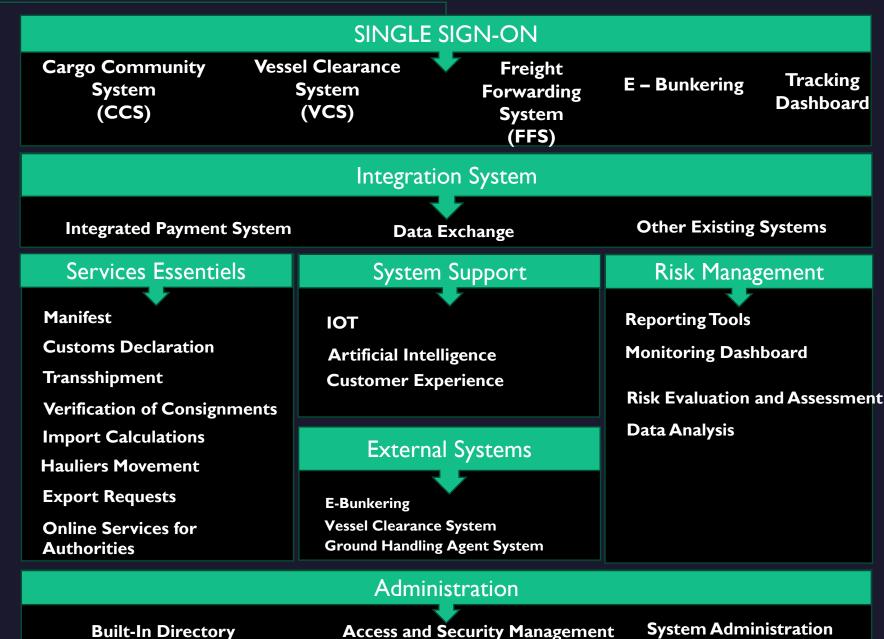
- Business partners Information Systems should interface with Customs & Port System to submit information and relevant trade documents once.
- A Single Sign On platform for the Trade Community with common electronic payment gateway, registration & other shared services
- Trade Single Application accessible via mobile device with alert mechanism
- Single submission of application for processing by controlling agencies
- Single Repository of Trade Documents
- Automated Time Release Study alerting process delay



Maritime Single Window



Our approach is to develop the Maritime Single Window by connecting the public private sector



MACCS ROADMAP 2025-2027



Capacity Building

- Talent Management
- Research and Development
- Employee Mobility
- Productivity and Collaboration

Promote our integrated solutions at Regional Level

- Standard solution to promote G2G and C2B
- Implement best practices
- Assist regional administrations in developing optimum solutions at affordable cost









Stakeholders Engagement

- Discuss the future of Trade
- Be a Partner in Trade
- Customer Experience
- Need Analysis

Build Integrated System for the Trade Community

- Integrated Trade Single Window
- Automate Business Process
- Build Al Based Applications
- GO Serverless SaaS Cloud Computing
- Data Analytics
- Internet of Things
- Block chain to secure specific processes (Rules of Origin)









Thank You