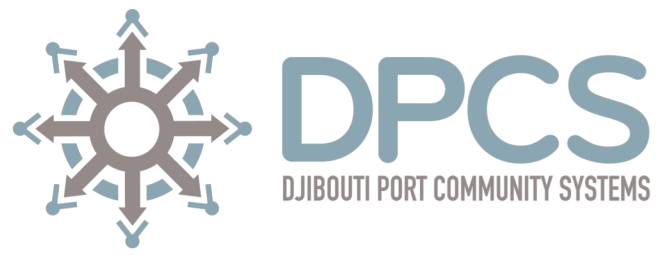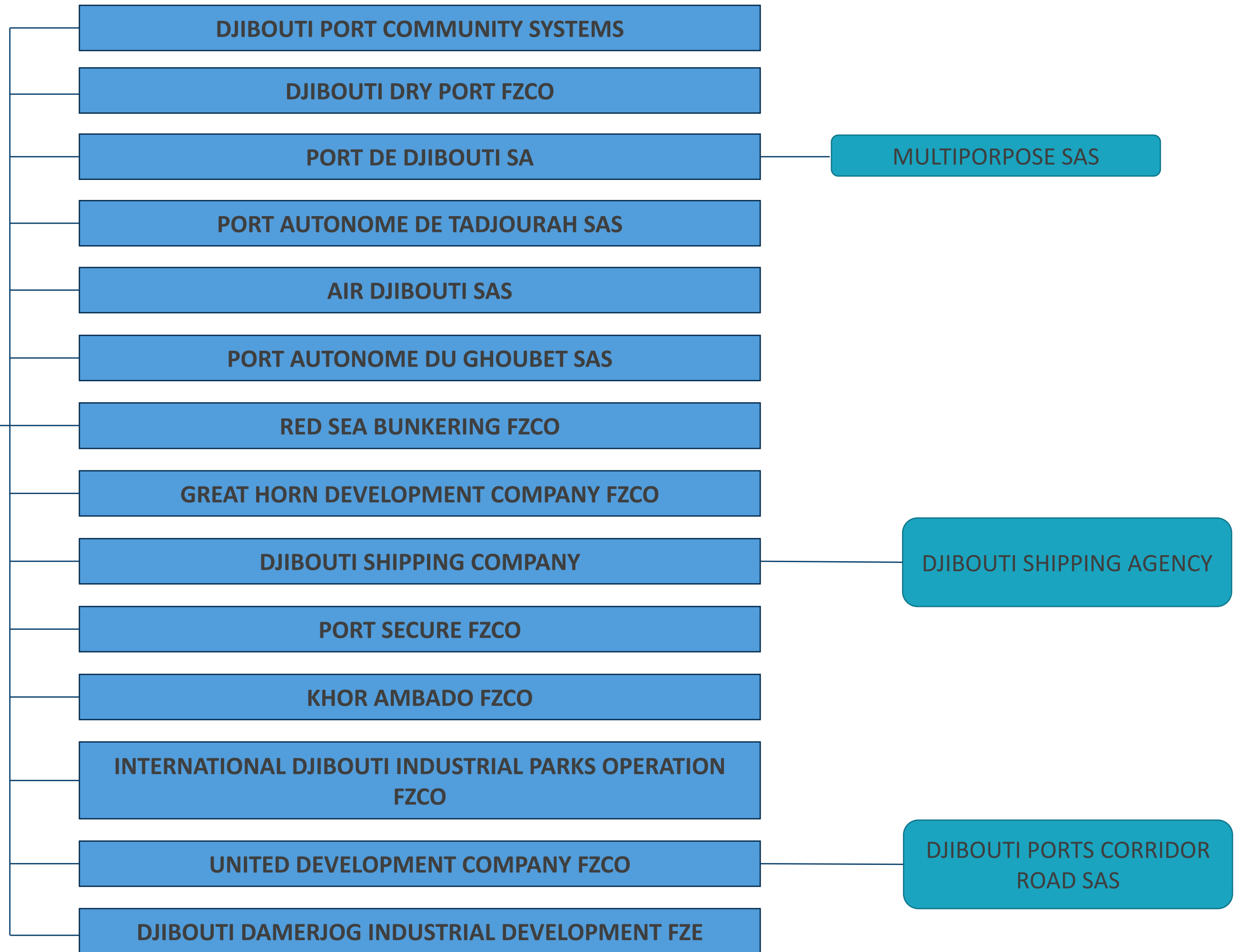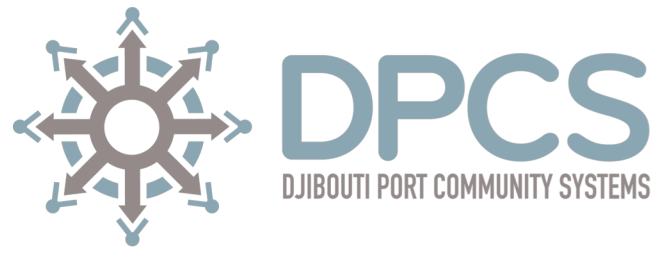# Developing a PCS

About DPCS

Djibouti Port Community Systems is a subsidiary of Djibouti Ports & Free Zones Authority (DPFZA).

DPCS has been setup to coordinate the different processes linked to importing/exporting through the ports, airports and corridor. Its product, the Port Community System aims to leverage technology to simplify, connect and streamline those processes

Increase productivity and efficiency of Sea/Air ports Operations and customs regulatory documentation through the implementation of PCS.

Features

- Vessel Management

- Arrival/Departure Management

- Cargo Management

- Customs Integration

- Gate Appointment system

- Corridor Services

- Integrated Online Payment

Phase 1 Modules

Sr. No	Sub Module	P1
2	**Port Integration**	
2.1	**Vessel Management Module - Statutory**	
2.1.1	Vessel static information	🟩
2.1.2	Vessel arrival / Departure Declaration	🟩
2.1.3	Vessel Clearance	🟩
2.1.4	Import / Export Manifest	🟩
2.1.5	Dangerous goods declarations	🟩
2.1.6	Crew List	🟩
2.1.7	Passenger List	🟩
2.1.8	Request for waste disposal	🟩
2.1.9	Request for various activities on board vessel	🟩
2.1.10	Manifest Integration with ASYCUDA World	🟩
2.1.11	Manifest (Host to Host)	🟩
2.2	**Vessel Management Module - Ops Requirement**	
2.2.1	Container Vessel ship profile	🟩
2.2.2	Vessel Service Route	🟩
2.2.3	Vessel Schedule	🟩
2.2.4	Berth Application	🟩

Sr. No	Sub Module	P1
2.5	**Information Services**	
2.5.1	Vessel Schedule	🟩

Sr. No	Sub Module	P1
3	**Port Integration**	
3.1	REPORTS (Customized)	🟩

Sr. No	Sub Module	P1
2.5	**PAYMENTS MODULE**	
2.5.1	Payment	🟩
2.5.2	Refund	🟩
2.5.3	Payment Gateway with Banks	🟩
		🟩
2.6	**REFUND MANAGEMENT**	
2.6.1	Credit Note option	🟩
2.6.2	Refund request process and processing fees	🟩

Phase 2 Modules

Sr. No	Sub Module	P2
2.3	**Container Management Module**	
2.3.1	Electronic Bayplan module	🟩
2.3.2	Stowage instruction	🟩
2.3.3	Import status / unloading list	🟩
2.3.4	Nomination of second carrier	🟧
2.3.5	Freight booking	🟧
2.3.6	Freight booking Confirmation	🟧
2.3.7	Container booking confirmed	🟧
2.3.8	Packing List	🟩
2.3.9	Shipping Note	🟩
2.3.10	Electronic Delivery Order	🟩
2.3.11	Authorize Delivery	🟧
2.3.12	Transport Instruction	🟩
2.3.13	Transport Order (Merchant Haulage Mode)	🟩
2.3.14	Transport Order Carrier Haulage Mode)	🟩
2.3.15	Delivery of nominated container	🟧
2.3.16	Customs release order	🟧
2.3.17	Container storing order	🟧
2.3.18	Release Order	🟧
2.3.19	Container Delivery / Receiving Gate Schedule	🟩
2.3.20	Booking of Delivery / Receiving time slot	🟩
2.3.21	Pre- Gate details	🟩
2.3.22	Customs authorization for loading	🟧
2.3.23	Shipping Agent Authorization For Loading	🟧
2.3.24	Authorize for Loading	🟧
2.3.25	Inspection and Release Status Notification	🟧
2.3.26	Integration with ASYCUDA for releases etc	🟧
2.3.28	Integration with Shiping Agents etc	🟩

Sr. No	Sub Module	P2
2.4	**Request for Services**	
2.4.1	Request for Pilotage	🟩
2.4.2	Request for Tug	🟩
2.4.3	Request for Water Supply via Water Boat	🟩
2.4.4	Request for Pipeline Water	🟩
2.4.5	Request for Bunker via Bunker Boat	🟩
2.4.6	Request for Bunker via Pipeline	🟩
2.4.7	Request for Stuffing / Unstuffing	🟧
2.4.8	Request for Reefer Servicers	🟧
2.4.9	Request for Container Cleaning	🟧
2.4.10	Request for Container Repair	🟧
2.4.11	Request for Empty Container Storage	🟧
2.4.12	Integration with ASYCUDA for releases etc	🟧
2.4.14	Integration with Shiping Agents etc	🟩

Sr. No	Sub Module	P2
3	**PORT OPERATIONS MODULES**	
3.1	REPORTS (Customized)	🟩

Challenges Encountered

- Human resource constraints

- Inadequate infrastructures like internet, Power...etc.

- Resistance to change by stakeholders.

- Delay in enacting the requisite legislative frameworks...etc

Solutions

- Outsourcing required skills where appropriate.

- Training aimed at enhancing stakeholder understanding of PCS, to strengthen confidence in its value and remove fears.

- Constant demonstration of the benefits of using PCS.

- Accelerate the adoption by implementing new regulations.

Improvements so far

- DPFZA has introduced a 24h service and 60 mins response time limit for service providers (port operators, port authority, free zone authority, corridor agency) for requests through DPCS. Biggest impact was seen on Berth allocation which used to take between 24 to 72h. Berth allocation currently takes place within 60 mins.
- We are in negotiations with customs to apply the same for declaration and releases.
- DPCS has eliminated manual processes which used to require shipping agents to visit the port, these include the port clearance certificates, invoices, crew/passenger list for immigration, shore pass...etc. This has resulted in transportation savings for the shipping agents and increased the efficiency of the overall process.
- It has also allowed terminal operator to be notified at the time of delivery order then transport order enabling them to better plan for the delivery of the cargo.
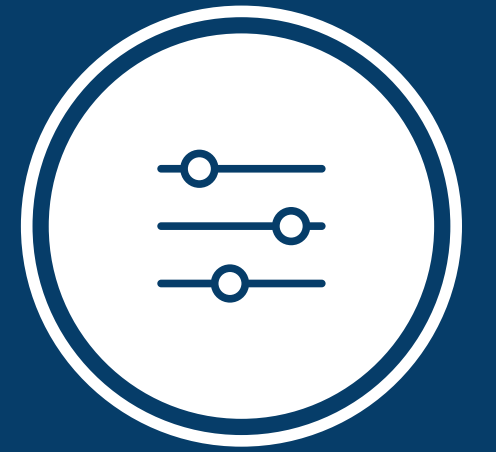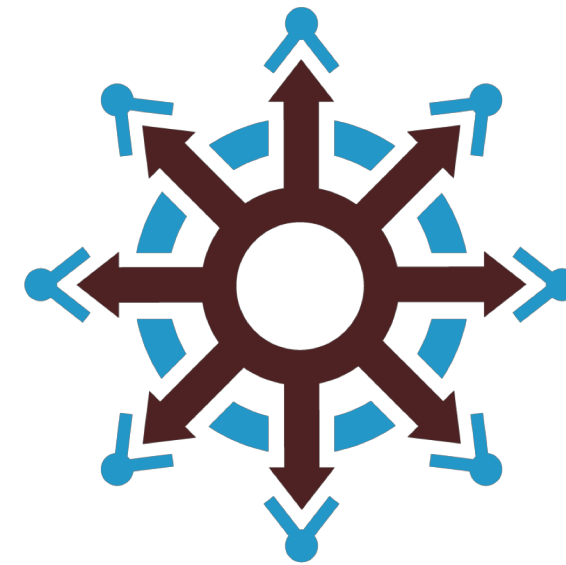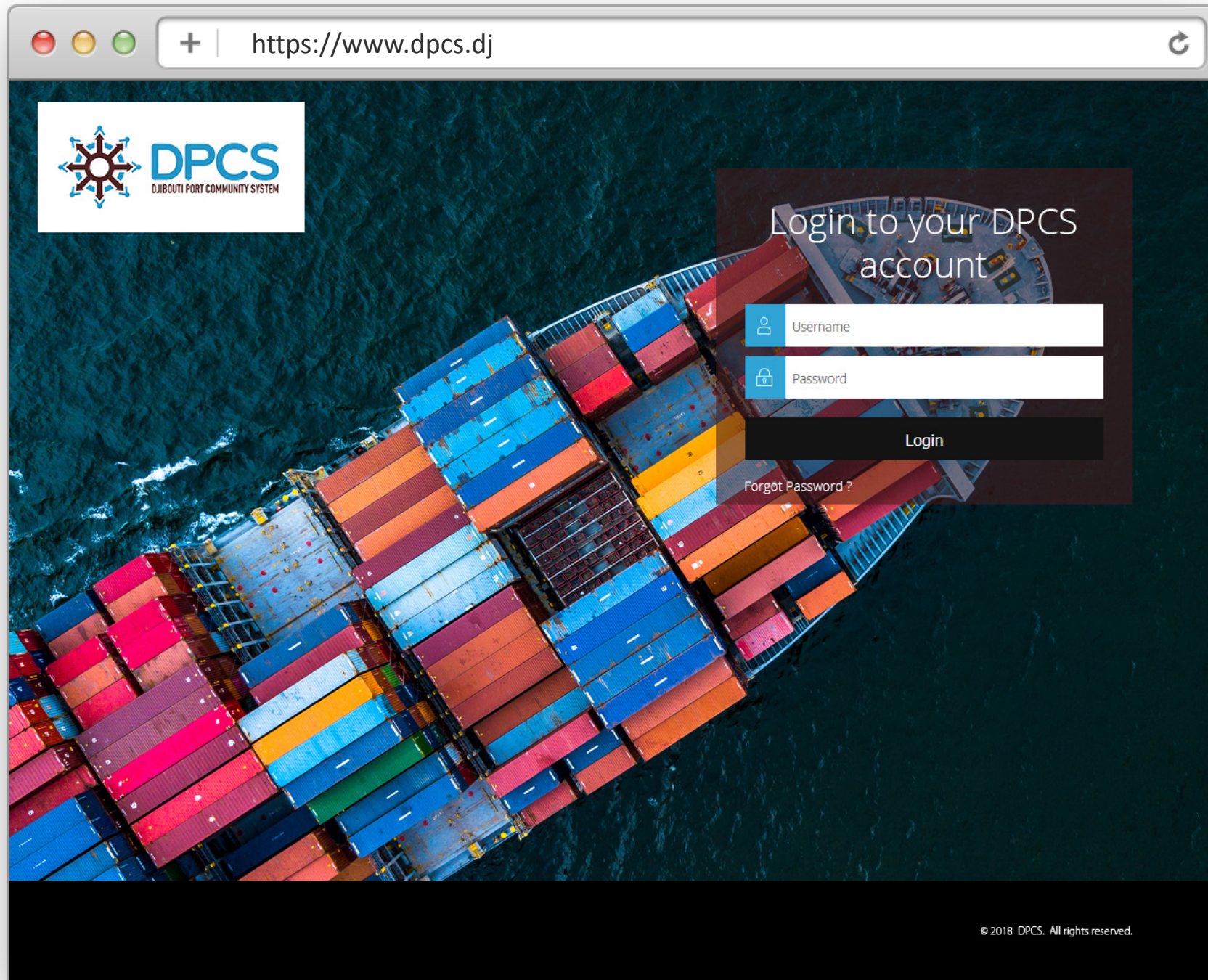
01 **PRODUCTIVITY**

02 **LOWER COSTS**

03 **EFFIENCY**

04 **ACCURACY**

Thank you