SERVICE QUALITY IMPROVEMENT AT THE CONTAINER TERMINAL OF THE PORT OF CASABLANCA



12 th ASEAN PORT & SHIPPING 2014 11&12 June, Jakarta, Indonesia

Main issues causing the port of Casablanca congestion

Short and long term remedial actions

- Strategic short and long term remedial actions
- Immediate short term remedial actions

Proposal for immediate actions Marsa Maroc

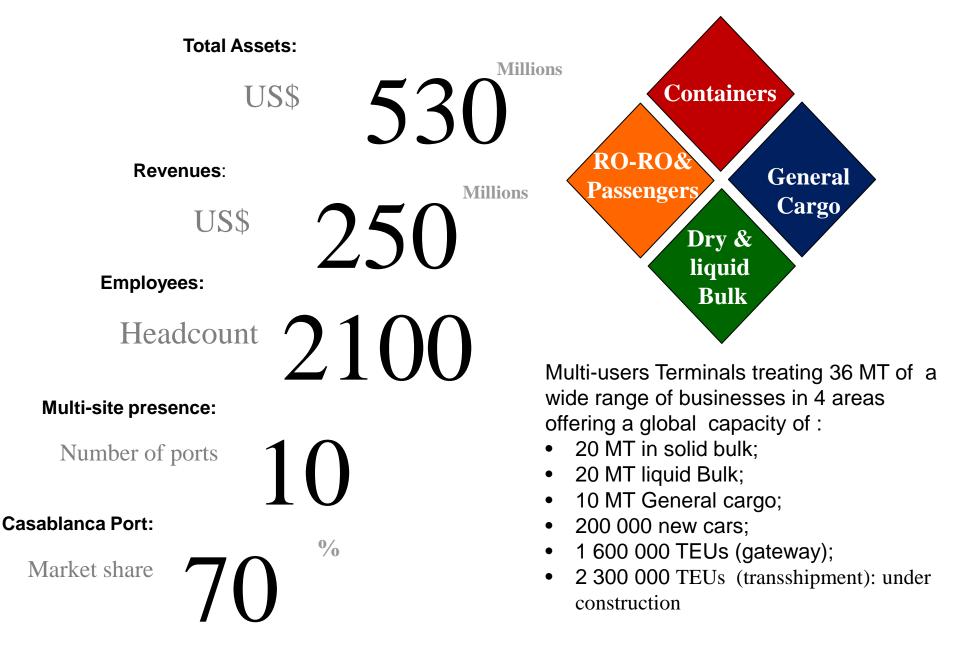
- Improvement of operating performance
- Road map to reduce the container dwell time

Results



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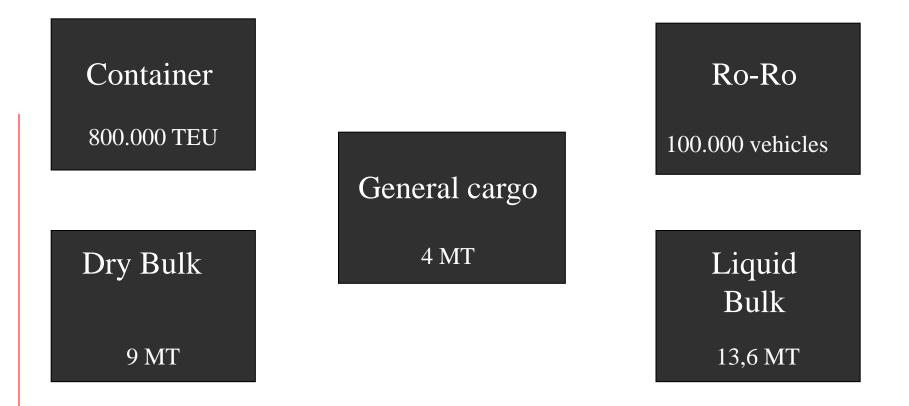
Marsa Maroc at a Glance-The leading Moroccan port operator





Overview of Marsa Maroc

A various kinds of traffic





Marsa Maroc got a foothold in the port of Tangier Med

The Transshipment Container Terminal 4:

- A capacity of 2.300.000 TEUs;
- 1.200 m quay with a depth of 16 m;
- 54 hectares of land;
- Scheduled to start operations in the 2nd half of 2016.

...an initial investment of 200 million Euros









Main Development projects

Marsa Maroc obtained a new concession in Casablanca

The Container Terminal 3:

- A capacity of 600.000 TEUs;
- 600 m quay length with a depth of 14 m;
- 30 hectares of land;
- Scheduled to start operations in the 2nd half of 2015.

...an initial investment of 200 million Euros



Casablanca container terminal layout :



TC1	üMarsa Maroc Terminal; ü65% of MS; ü600 m of quay .	ü12 m of drought ü 5 vessels position. ü 60 Ha of area.

	üNew concession for Marsa Maroc;
TC3	üKick of in 2015;
	ü 600 m of quay .

ü12 m of drought.ü 5 vessels position.ü 30 Ha of area

• Global capacity of 1 300 000 TEUs (Gateway):



Main issues causing the port of Casablanca congestion

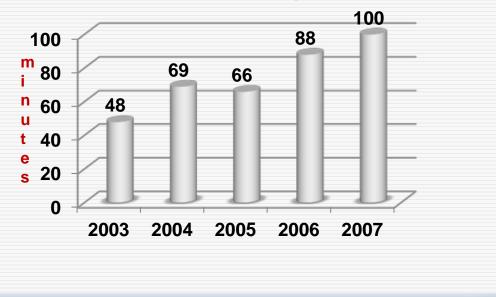
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		MAIN FACTORS		
Context factors				
Traffic growth	-	Container traffic expansion growth of 20% in 2007 compared to 9% in 2006. Increase in average cargo per ship by 30% between 2006 and 2007.		
Storage space and equipment		Lack of storage facilities to handle the increased demand Insufficient amount of required equipment (straddle -carriers, trailers, etc).		
Organizational factors				
Inadequate communication network	-	Complex communication network requiring a large number of intervening players (importers / exporters, maritime agents, bankers, administrators, customs officers ,etc.).		
Administrative control inside the terminal	-	Delay caused by the complex network of customs, office control and other organizations intervening in the port .		
<i>Capacity / performance Of Marsa Maroc</i>	-	Reduction of the capacity and operations' performance of Marsa Maroc.		

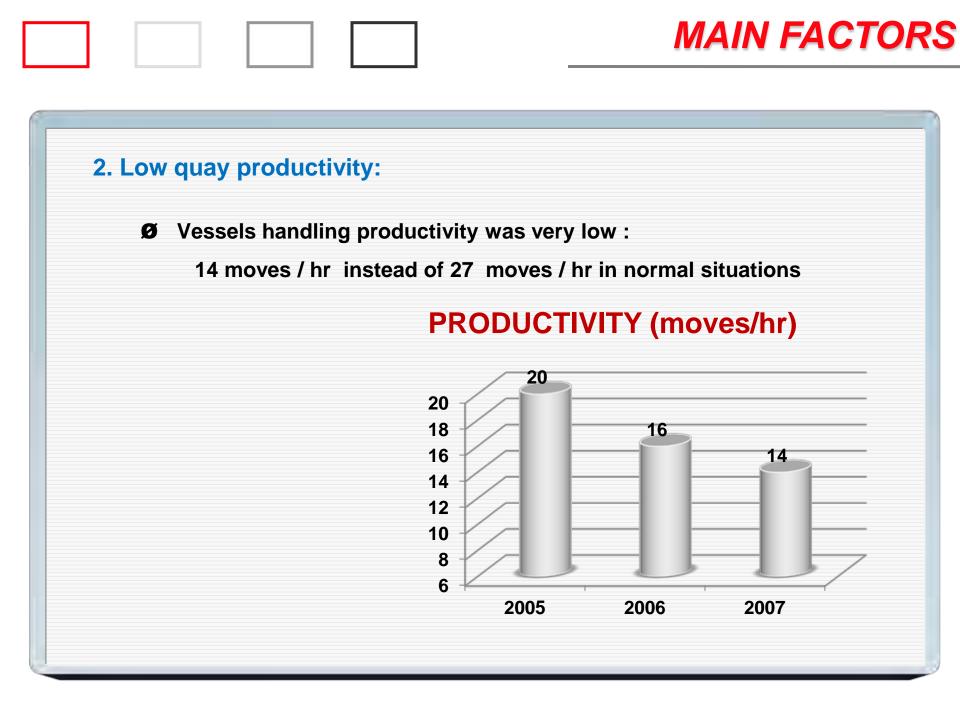


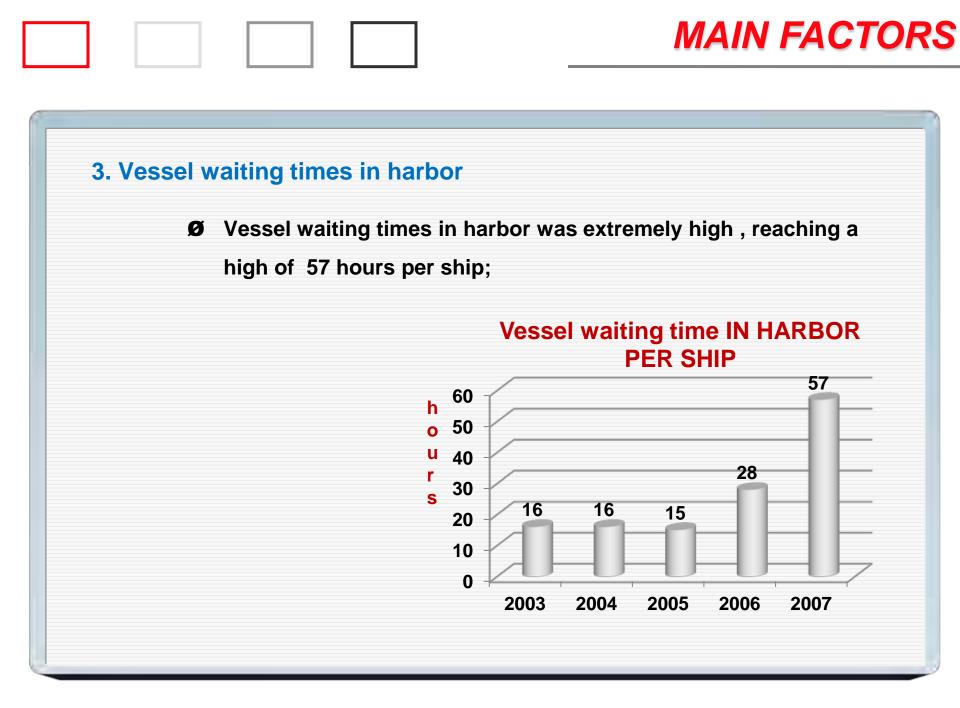
1. Container Dwell Time

- Ø Imported container dwell time averaged about 13.54 days in 2007;
- Average time for truck delivery was about 100 minutes instead of 30 minutes in normal situation;
- Ø Average stacking height was 2.6, keeping in mind that the terminal capacity was 2.8;



Delivery Waiting Time





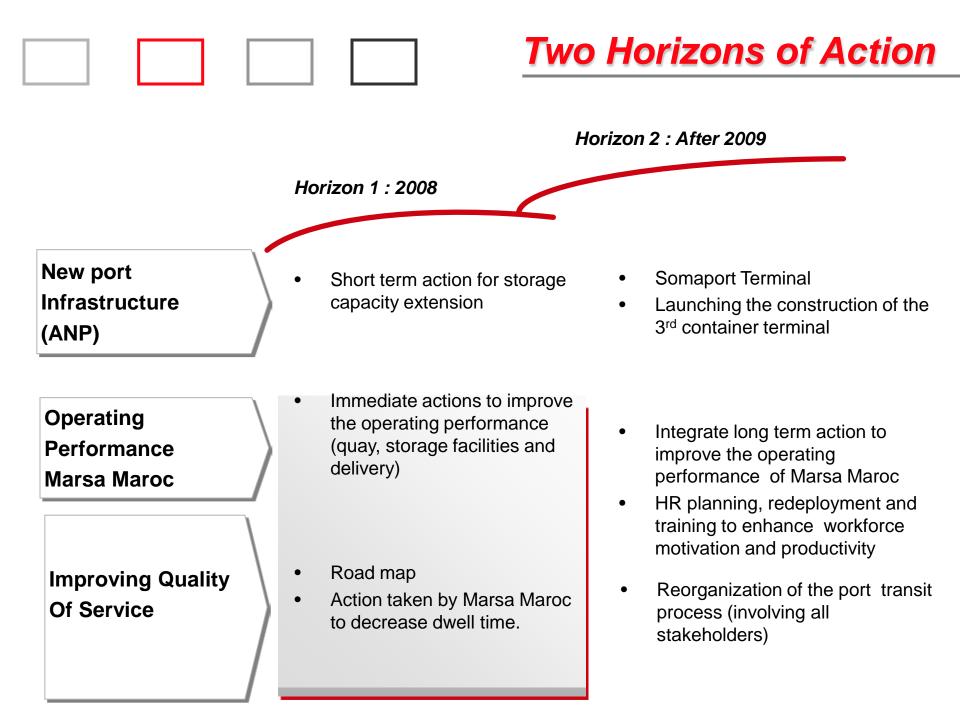
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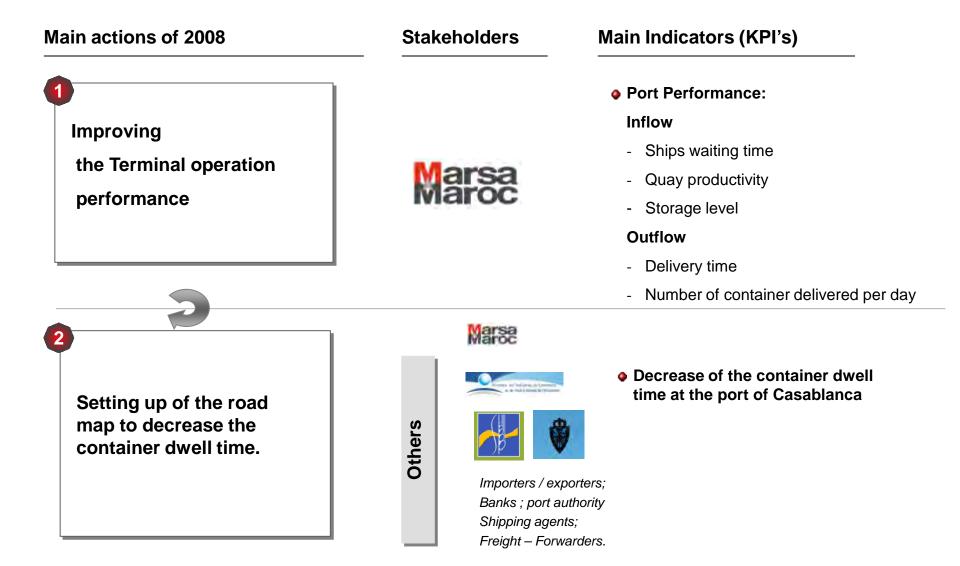
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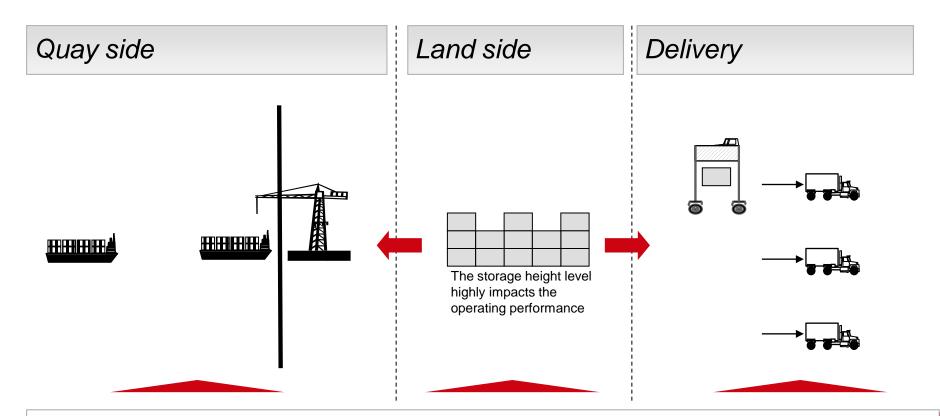


2008 OBJECTIVES



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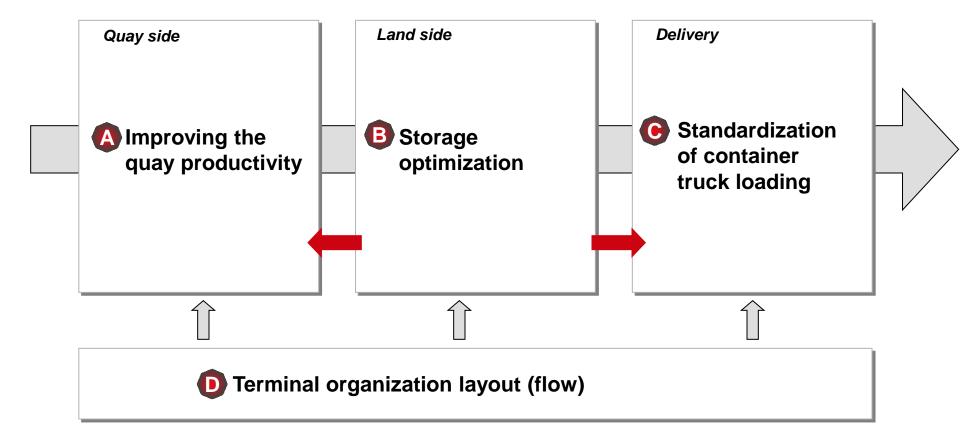
Main performance indicators

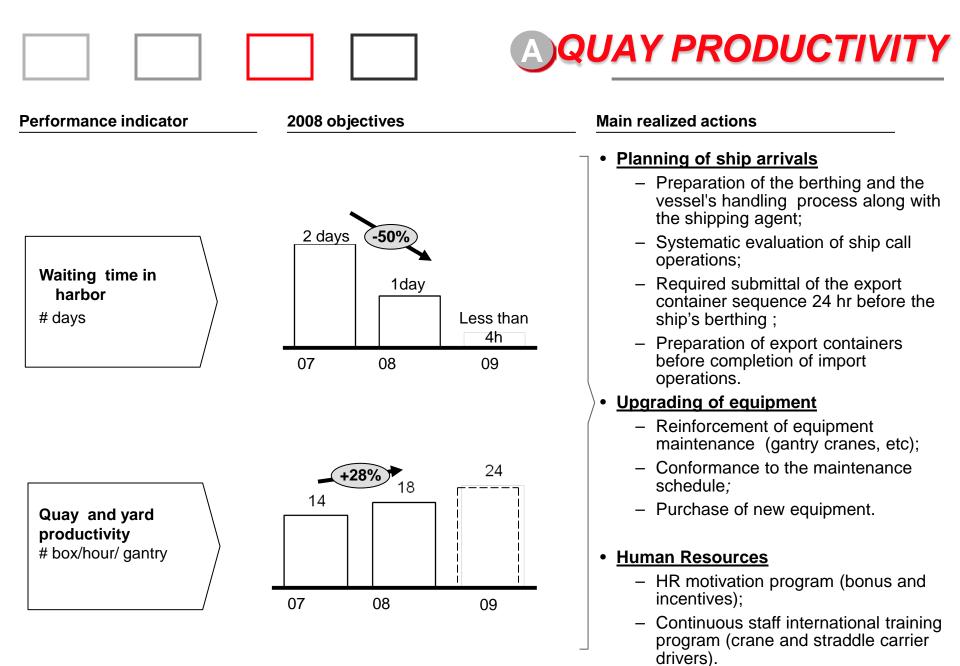
- Vessels waiting in harbor
- Quay productivity (number of containers moved per hour)
- Storage level
- Stacking height

- Truck waiting time
- Number of containers
 delivered per day

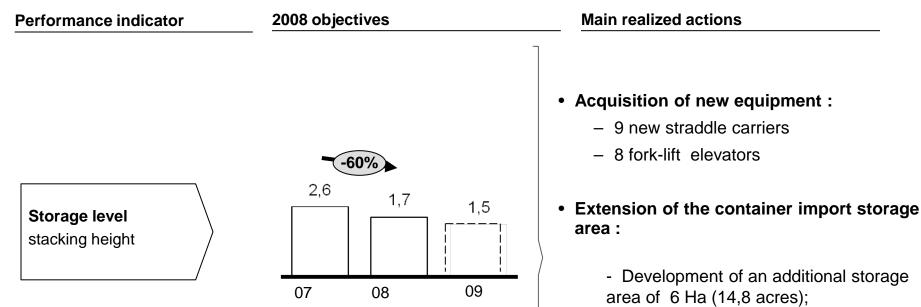








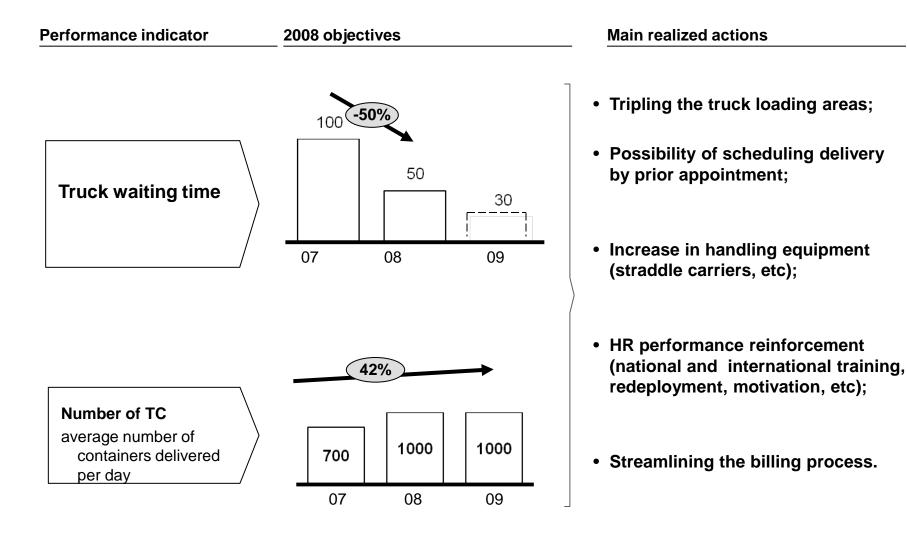




- Development of two additional delivery areas;

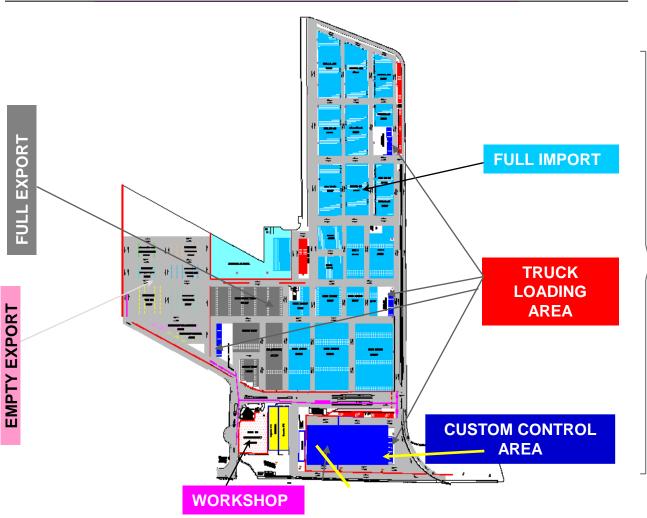
- Development of the customs' control area isolated from the operation yards.

C Standardization of delivery





Re-engineering of the terminal



Main realized actions

- Rationalization of flows (import, export);
- Marsa Maroc " unique actor in the terminal;
- Customs control area outside the terminal.

KEY PERFORMANCE INDICATOR KPI's

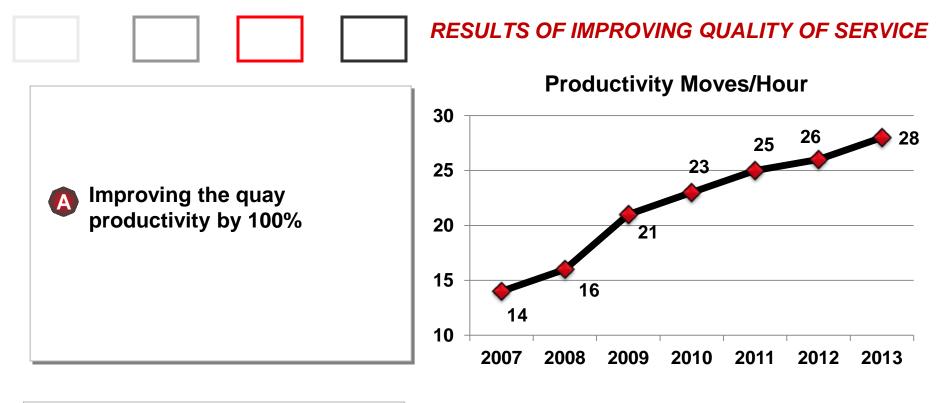
GLOSSARY OF PERFORMANCE INDICATORS OF THE CONTAINERS TERMINALS								
Bad Average Good Excellent								
Ind.	Description	Formulate	Measure unit	Responsible	2008 situation	2009 objective	Week situation	
1	Ships waiting time	∑ (date and hour of berth -date and hour of harbor entry) /∑ stop over	hour	M. CHAHIR	1,25d=30 h	10 h	4 h	
2	Quay movement	∑ number of import boxes (full and empty) + ∑ number of export boxes (full and empty)	Movement /days	M. JEBBOURI	1350 Movement/day s	1600 Movement/day s	1176 Movement/day s	
<u>3</u>	Charging trucks average time	∑ (hour of the TC leaving ticket – hour of the TC handling ticket) /∑TCs left	Minutes	M. JEBBOURI	62 minutes	30 minutes	32 minutes	
<u>4</u>	Containers' leaving follow up	∑ delivered boxes per day	movement/day s	M. JEBBOURI		800 containers	550 containers	
*) Gross Time : ∑ (number of quay crane x 8h) - ∑ (berth delay time + finished ship' time) **) Net Time : Gross Time- deductible stoppage: • Opening/closing of hatch covers Excellent > to 120% of the objective • out size manipulation Good 100 to 120% of the objective • Shifting Average 80 to 100 % of the objective • Bad < to 80 % of the objective								

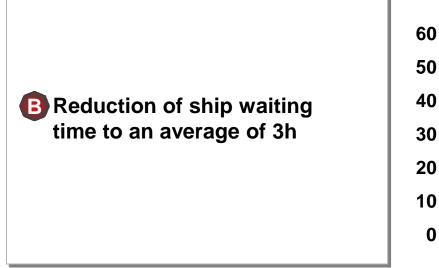
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	Road map to reduce the dwell time						
Immediate actions to reduce the dwell time			Further actions				
Marsa Maroc	 Informing and increasing customer awareness Establishment of a website for container tracking. Reorganization of the terminal New control areas New truck loading areas Enclosing the terminal (security, safety and performance) Incentive pricing: Encouraging customers using the port for transit (increase the free period from 5 to 8 days). Penalizing customers using the port as a storage area for their goods (higher tariffs and removal of the free charge period). 	All stakeholders	 Improving the port layout (flow separation, control area, etc.) Streamlining the process of control (anticipating, outsourcing, etc) 				
Further Stakeholders	 qAccelerate the development of new infrastructure and superstructure in the port area of Casablanca; q Reorganizing the operating mode of the port area; q Simplification and streamlining of the controlling procedures of the port transit by the stakeholders within the supply chain. q Optimization of communication network between different stakeholders (port operators, supervisors, importers/ exporters, customers) 		• Optimization and use of IT for information flow .				

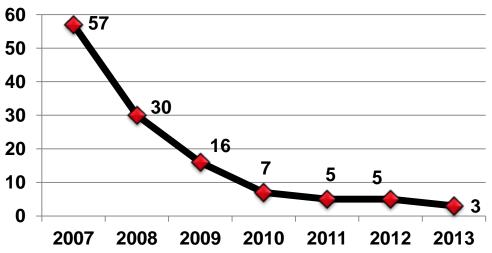
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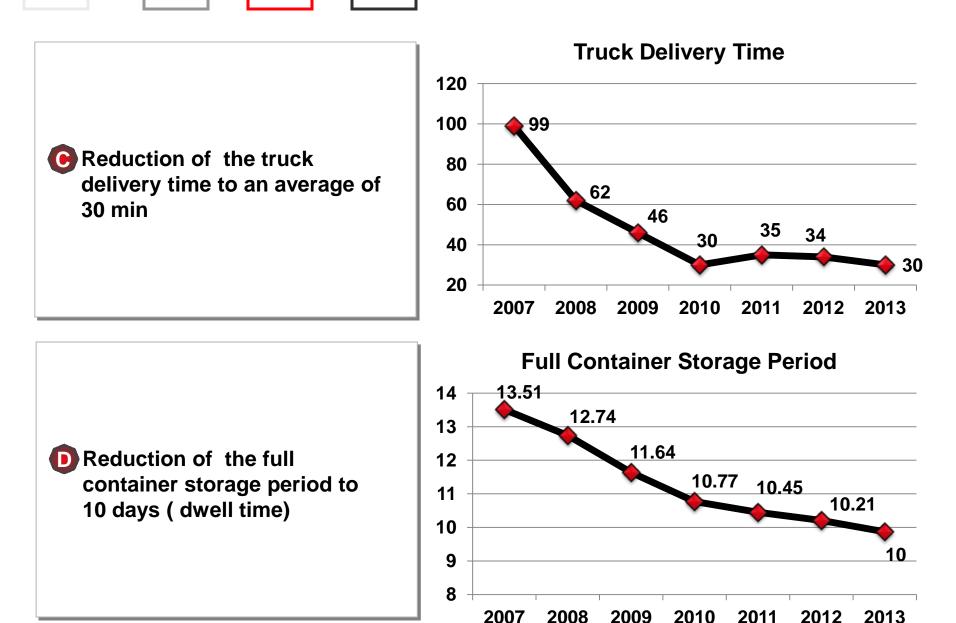
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Containership Waiting Time





Certification ISO 9001- v2008 of Container Terminal in Casablanca port



Certified ISO 9001-v2008 in 2013





THANK YOU

