

PuertoValparaíso

A Sustainable Port

Harald Jaeger
General Manager
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Port Valparaíso's figures

In West Cost of Sudamerica (WCSA)

- ✓ 3rd in container cargo traffic

Source: ECLAC (2010)

In Chile

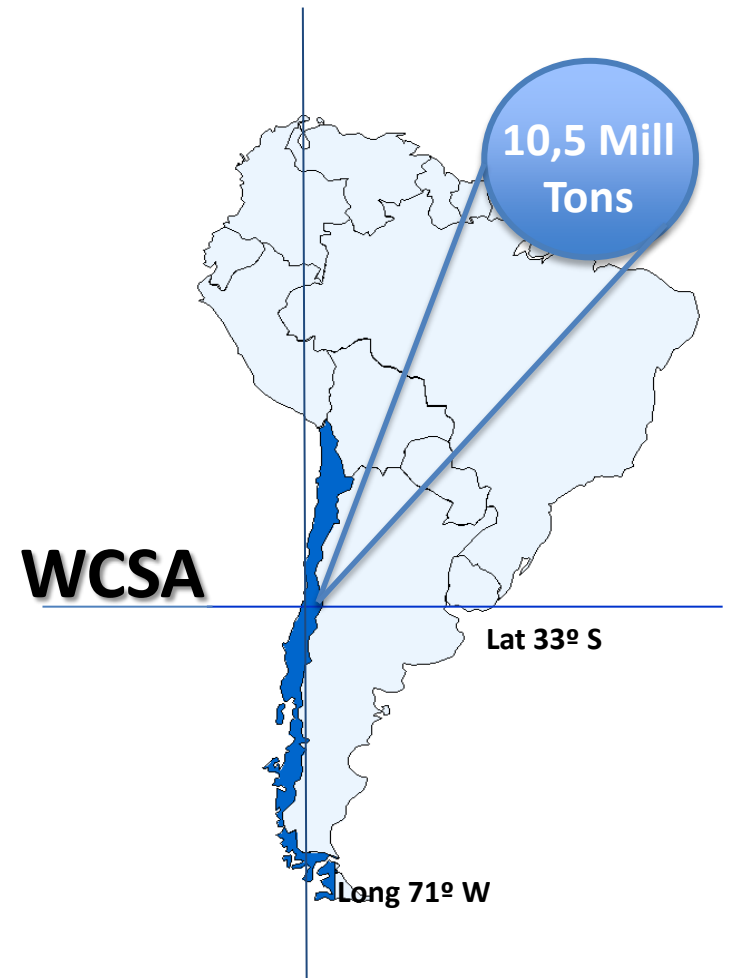
- ✓ 1st in container cargo traffic

Source: ECLAC (2010)

- ✓ 24% share of general cargo through Chilean ports

Source: Interaustral (2010)

- ✓ Homeport of cruises.



Port Valparaiso's figures

In the city

- ✓ 21% of the citizens depend, directly and indirectly, on the employment generated by the port.
- ✓ 33% of the city's GDP is provided by the port activity.

Source: Study of University of Valparaiso



Main challenge of the port

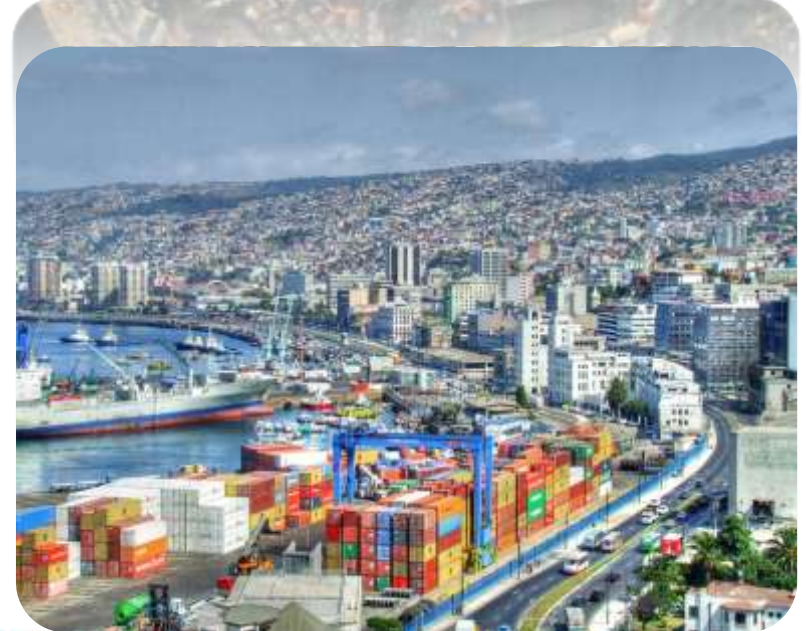
Sustain and increase its competitiveness by:

- ❑ Increasing cargo and passenger transfer capacity.
- ❑ Improving efficiency, safety and security.
- ❑ Creating a sustainable relationship, in armony with the city and environment.



Difficulties we faced in our development areas

1. Reduced space.
2. Complex road connectivity.
3. Inside of a World Heritage city (2003).
4. Increased people environmental sensitivity.
5. City in an economic and social crisis.



The difficulties provided us opportunities to undertake actions that allowed Port Valparaiso to plan his development based on a sustainable approach.



1. Reduced space.



1. Reduced space.

Action 1. Planning of port development considering the stakeholders expectations: port and city friendly relation

Results

- We had to consider in our planning the expectations of the community
- Today the port is managing various conversation and negotiation processes with stakeholders
- The port is gathering better information that will assist in decision taking and allocating of resources



1. Limited space.

Action 2.

Development of Innovative Logistic Model for cargo



Terminals

New logistic model for cargo:

- Control, inspection and coordination activities were moved out of the harbor
- New infrastructure was built for the External Logistics Support Zone, ZEAL

AL

Vaparaiso's Cargo Logistic Model



Terminals access



Control and Monitoring



Inspection platforms



Parking area

ZEAL –Terminals route
11,6Km

ZEAL

Entry and exit
of trucks

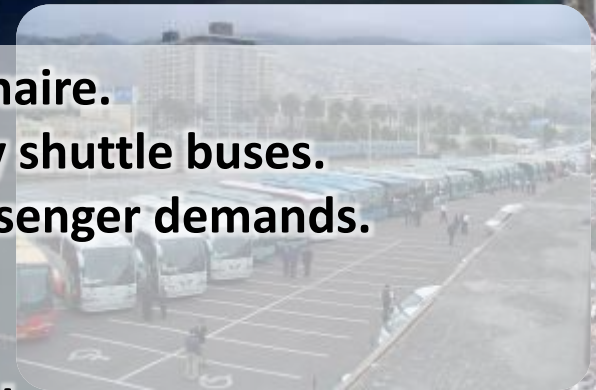


1. Limited space.

Action 3. Development of an Innovative Logistic Model for disembarking/embarking cruisers passengers

- Development of a Passenger Terminal by a concessionaire.
- Transfer from the berths to the passenger terminal by shuttle buses.
- Training of personnel and policemen in attending passenger demands.
- Strengthen security counter measures.

Meanwhile was achieved better productivity in terminal areas.



Passenger Terminal

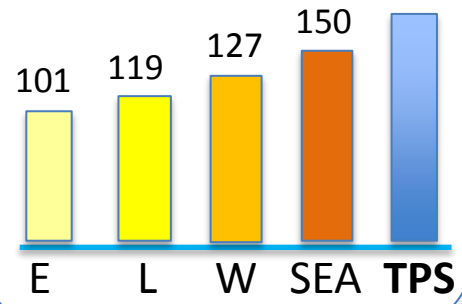
1. Limited space.

Results

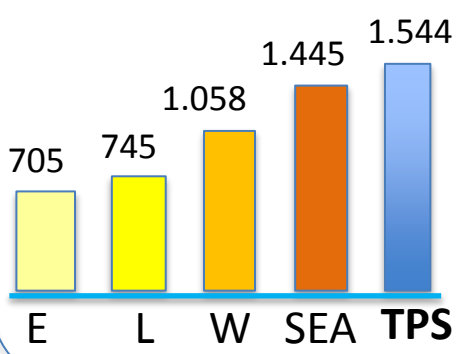
Cargo

- Increased productivity of the terminals
- Reduced time of trucks inside the port

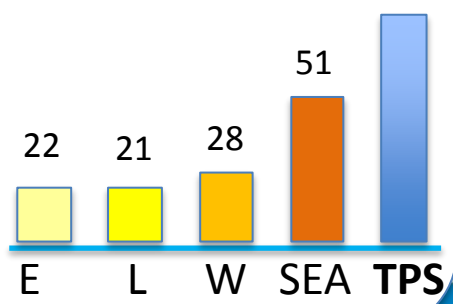
Teu per Gantry Crane (Miles)



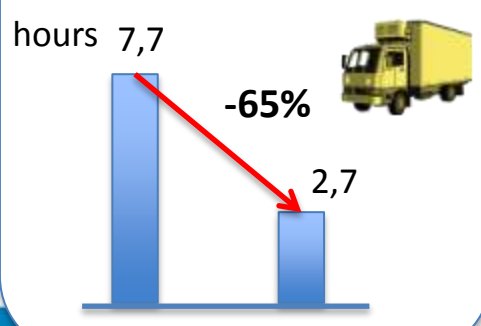
Teu per meter of Quay



Teu per Hectare (Miles)



Avg time of trucks inside the port syst. hours



Passengers

- Increased security of passengers and their luggage
- Valparaiso is a seasonal homeport for cruises
- More tourists to the city

Before



Now



Homeport



2. Complex road connectivity.

In the past: congestion, contamination and impact on urban life.

Now: New access to the port which does not cross the city.



Former entrance and exit to the port → trucks passing through the city

Entry and exit to the port system nowadays. Outside the city

ZEAL

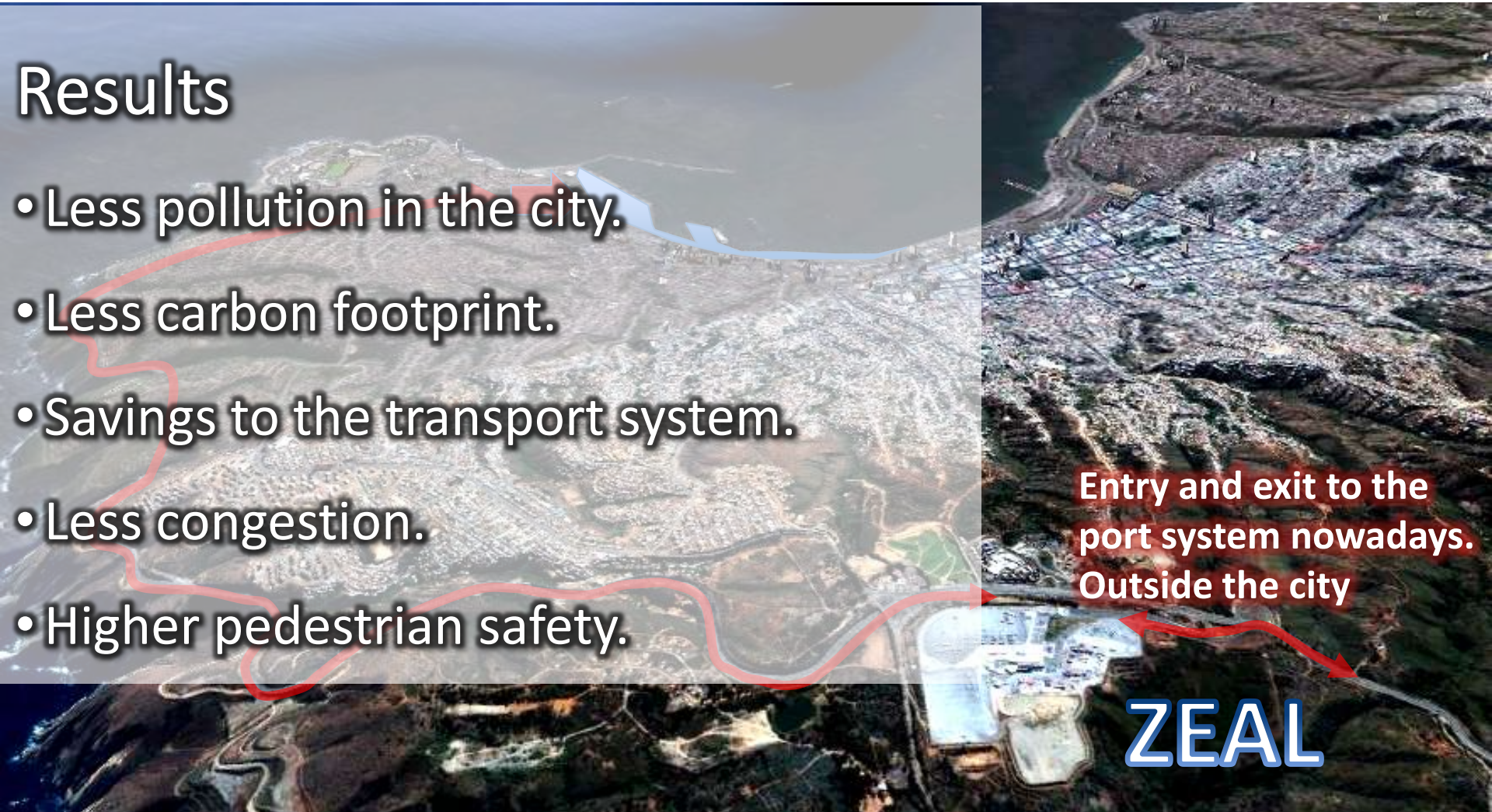
2. Complex road connectivity.

In the past: congestion, contamination and impact on urban life.

Now: New access to the port which does not cross the city.

Results

- Less pollution in the city.
- Less carbon footprint.
- Savings to the transport system.
- Less congestion.
- Higher pedestrian safety.



Entry and exit to the port system nowadays. Outside the city

ZEAL

3. Inside of a World Heritage city.

• Port Valparaiso builds alliances with the city.

• Promotes:

• Education

• Sport

• Culture

• Heritage

• Employment

• The expansion projects respect the heritage rules and consider their impacts in the city.

• Port Valparaiso conducts surveys and citizen consultations to test its projects



3. Inside of a World Heritage city.

Results

More tourism activities



Promotion and sponsorship of cultural activities in the city



Development of mass events



Musicals



Projects consider heritage sites

Homeport for cruises



Activities with educational institutions



4. Increased environmental sensitivity. Actions.

- The infrastructure development projects in Port Valparaiso are subject to the System of Environmental Impact Studies (SEIA) of the State.
- Port Valparaiso counts with an integrated management system and certifications in safety, occupational health and environmental protection.

Certifications ISO 9001, ISO 14.001 y OHSAS 18.001.

- Emergency plan for and integrated management of ZEAL, Route and Terminals.
- Incipient alliances with other ports for studying and learning of environmental protection managing .

Results:

- Improved air quality.
- Reduced water pollution.
- Control of organic waste from ships.
- Spill Control.
- Fast response to accident emergencies.



5. City in economic and social crisis requires new development sources.

Needs more jobs

Action: Development of port and urban projects



Need to increase local government budget



5. City in economic and social crisis requires new development sources.

Need to grow in other economic areas, e.g.: Tourism
Demand for access to the waterfront

Action: Access to the waterfront through a new promenade (tourist & commercial)



More than 100,000 m2 of building



2.500 New jobs

The main stakeholders of Port Valparaiso.

Maritime, port workers and fishers



Action

- ✓ Building trust and labor benefits → sustainable social peace.
- ✓ Economical compensation and permanent communication.
- ✓ Relocation and compensation for fishers of a cove , currently inside the port.

Port-Logistic Community



Action

- ✓ Organization of Logistics Forum of Valparaiso, FOLOVAP, which gathers all the actors involved in the logistics chain of port trade.
- ✓ Common marketing plan and service development.

City (local government and community)



Action

- Integration of a City-Port Commission.
- Procedures to qualify and approve the projects are regulated (SEIA, impact studies approved by the local government, etc.).
- Spread of the port development plan.

Port Valparaiso has had to modify the scope of its projects to attend the needs of its main stakeholders and their environment.

Summary of initiatives

1. The port logistic model was modified.
2. A new access to the port was developed.
3. Great efforts in investment and management.

Traffic of 450,000 trucks per year through the city was removed.

4. Port Valparaiso dedicated part of its coastal border to urban use by developing an promenade project: Puerto Baron.
5. Agreements were established with the maritime-port workers and fishers to offset impacts of port development.



6. Studies were conducted to measure the development projects impact on the different stakeholders and the community:

- Focus Group
- Surveys
- Market Studies

7. Expansion plan has considered the stakeholders concerns:

- Competitiveness of the port
- Creation of more job positions
- Development of a new stevedors / employers mutual confidence and collaborative plan
- Heritage impact



Next Challenges



1

Development of initiatives to measure and continue to reduce the carbon footprint of products flowing through Port Valparaiso.



Integration with other countries to develop joint environmental initiatives.

3



2

Promote and development of systemic integration of the foreign trade players to increase the efficiency and competitiveness of the port.



Keeping a harmonious relationship with the stakeholders.

4



Development of security plans that consider new environmental hazards

5

THANK YOU



Harald Jaeger
General Manager
Port Valparaiso
February 23th, 2012