A Sustainable Port

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Port Valparaiso’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 Valparaíso’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 harmony with the city and environment.
Difficulties we faced in our development areas

1. Reduced space.

2. Complex road connectivity.


4. Increased people environmental sensitivity.

5. City in an economic and social crisis.
The difficulties provided us opportunities to undertake actions that allowed Port Valparaíso to plan his development based on a sustainable approach.
1. Reduced space.

Port is surrounded by the city
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

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.
Vaparaiso’s Cargo Logistic Model

- **Terminals access**
- **Control and Monitoring**
- **Inspection platforms**
- **Parking area**
- **Entry and exit of trucks**

**ZEAL**

**ZEAL – Terminals route 11.6Km**
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.
1. Limited space.

Results

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

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

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<th>Cargo</th>
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Source: Drewry
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
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.
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)

Puerto Barón

More than 100,000 m² of building

2,500 New jobs
The main stakeholders of Port Valparaíso.
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 Valparaíso 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.

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

3. Integration with other countries to develop joint environmental initiatives.

4. Keeping a harmonious relationship with the stakeholders.

5. Development of security plans that consider new environmental hazards.

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

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