

Lisbon Business Case 2- Demo proposal

Lisbon Port May 23th

The Lisbon demo will present the solution produced in the e-Impact project context: an **innovative Virtual Gate Operational System** that provides consistent management and control capabilities of containers deliveries across all areas and terminals of the port, REGARDLESS of:

- The specific profile of each terminal
- Their level of technological maturity
- Their pre-existing (or NOT) Gate and Access Control capabilities

This solution also relies on the **innovative e-delivery infrastructure**, based on the Access Point technology, which provides cheap and easy interoperability costs for all organisations involved in the process.

The components of the Virtual GOS Lisbon

- Truck appointment & Planning – port operators can manage time slots (hour, availability, capacity and cancel bookings) and clients can manage their bookings.
- Flow management – real time management of truck flows, making possible to change the flow to buffer areas when constraints occur in the normal flow. It will be able to share information with road infrastructure operators and with the city.
- Flow Dashboard – real time and historical data analysis in a dynamic dashboard that provides information about land access to the port.

The Public sector (Port Authority) provides the GOS software while the terminals invest in the hardware. The terminals need to provide data to “build” the GOS for booking availability and permissions to enter in the terminal.

The technology is being developed with one of Lisbon’s most important terminal – LISCONT, and the final planning and booking tests are currently being performed. The solution is cloud based.

The Demo will be held in an operational room where it will be possible to follow the live operations in LISCONT Terminal, via integration with the Terminal TOS, we track container movements. We will be able to track container loading and unloading from a vessel and the gate-in and gate-out of the Terminal. The solution also integrates the Authorities inspection schedules. All this information is vital to track terminal operations, giving more visibility and decreasing the queues of trucks to access the Port. We have also built dashboards to measure Terminal activity.

We will also explain the GOS system operations, from the perspective of the Terminal Operator and the Terminal Client, with the following main responsibilities, amongst others:

- Operator: Management of time frames, control of execution
- Client: Creation of bookings for container operations, control of execution

We expect the Demo to take more or less 3 hours. We could start at 9 AM and have lunch afterwards.

