

Port de **Brest**



Un port  
de la Région Bretagne

Exploité par  
La Société portuaire  
Brest-Bretagne

# “Port S-100”

The port as a laboratory for the development of digital  
services for port operations & management

*Explore possible contribution to international cooperation actions*



# Content

1. Bases (4 min): Blue Ports and Geomod port data management tools
2. Follow up (2 min): Vision of the harbour master & pilots
3. Port S-100 (4 min): Prototyping services for port communities

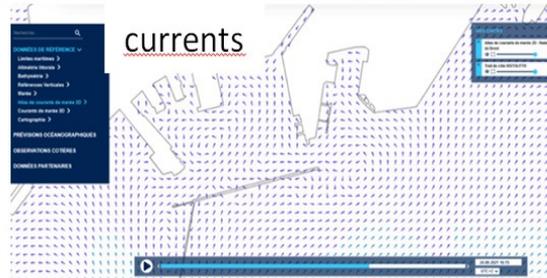
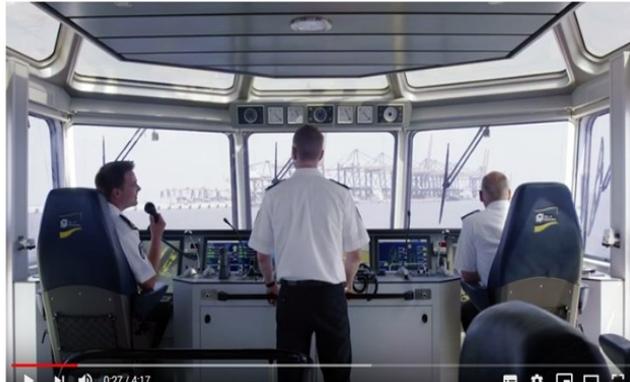
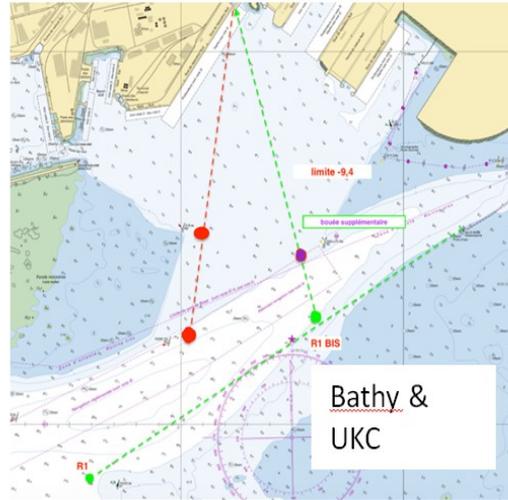


# S-100: vision of the harbour master & the pilots

Vision of the situation shared in RT by the pilots/ captain, harbor master & VTS station



Additional information transferred in RT



Good morning,

In a few words let me tell you what "S100" can and will provide, from the harbour point of view.

1 - First point of all: the maritime safety matter.

The growing quantity of sharp and responsiveness nautical informations exchanged between ship and shore can only improve the safety.

All of these will be possible with:

- the exchange of any harbor and ocean computerized sounding informations
- to a more accurate positioning system such as "channel pilot" - *as you can see on the slide pilot and captain have all the information they need for a safe navigation.*
- to a detailed tidal stream information *as the SHOM whom proposes high resolution tide current,*
- and at last by sending to the ship the present informations concerning the weather conditions, sea state and harbour information through our wind direction and speed finders, tide gauges or swell indicators.

All these e-informations will reinforce the ship and harbor safety.

2 - secondly concerning the local ocean protection

the sharp data modelling of tidal streams as well as the harbour weather conditions and oceanographic elements, given by our sounding systems, wind direction and speed finders, swell and turbidity indicators allow us to get a real competence regarding the harbour and approaches water quality.

All this permits a better monitoring of the quality of sea water but also to be more effective in case of pollution.

3/Finally the prospects about port operations:

Ship's characteristics informations (flat bottom/ fore and aft shapes/ drafts) combined with the harbor items (height of water/ depths/ berth informations/ mooring arrangements) through software such as PORTALL will also allow us an optimal use of the berths and optimal operation commercial time.

*With the e-navigation all Win*

Thanks for your attention