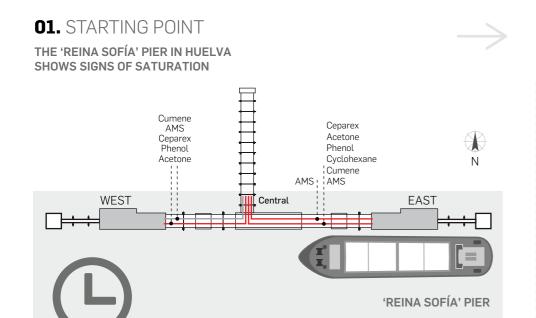


'REINA SOFÍA' PROJECT

THE NEW TANKER LOADING AND UNLOADING SYSTEM REDUCES THE OPERATING TIME BY 56%



02. PREVIOUS

LOADING ARMS SYSTEM

LOADING ARMS

- Only one can be connected at a time
- The tanker must be moved to fit each arm

WHY DO THEY CAUSE DELAYS?

- There are only two births for tankers
- Not all products are available at each birth
- Limits on loading of combined products

03. CURRENT

HOSE SYSTEM

HOSE REELS

- System untried in ports until now
- Proven robustness in all types of conditions

WHY IS VIABILITY GUARANTEED?

- Allows for simultaneous loading with complete flexibility
- Less complex system than loading
- Incorporates innovative safety measures

04. PROJECTED RESULTS

AFTER ROLL OUT

1 MAXIMUM SAFETY: MINIMIZES RISK OF ACCIDENTAL SPILLAGE



2 OPERATION TIMES ARE REDUCED BY BETWEEN 50% AND 60%



3 PORT FACILITIES OCCUPATION RATE IS REDUCED BY 20%



2014 THE DELAYS IN OPERATIONS ON THE PIER REACHED THEIR LIMIT

The increase in volume caused delays of up to 3,000 hours between 2010-2011

The port suffers delays when it operates at over 50% capacity

THE NEW SYSTEM, IN DETAIL

WEAK LINK, THE KEY TO SAFETY

any risks to a minimum

■ The new hose's safety fitting system reduces

The impact of delays increases exponentially with occupation rates

Performance in 2015 - EAST BERTHING



Load flow





Increase of volumes loaded



Increase in ships loaded



stopped using



Reduction in CO_a emissions 4 FUEL SAVINGS FOR TANKERS



5 FUEL SAVINGS MEAN A REDUCTION IN CO. **EMISSIONS**



INVESTMENT

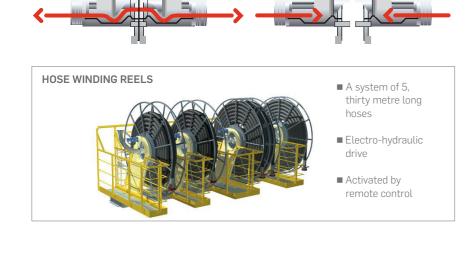


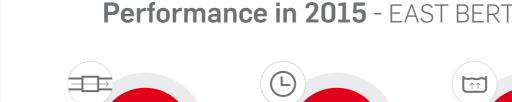
CEPSA has patented the technology used in collaboration with



Project nominated for the Edison Awards 2016







Time saved



Fuel that ships have