

Executive Summary and Project Description:

The three mobile harbor cranes and stackers used in port operations are the main equipment determining the port's service capacity. Renewing the tires of these cranes (MHC - 200 and HMK - 260) and Kalmar Stacker (Machine Code: ST-04) are an urgent need to prevent operational disruptions and potential workplace accidents. Without tire renewal, there is a risk of cranes and stacker tipping over. When this happens, it can lead to very large damages, and more importantly, in the event of an accident, there may be situations that can lead to loss of life.

Since the last tire replacement was 10 years ago, the tires have reached the end of their service life and pose a significant risk. The tires of heavy machines, need to be replaced as quickly as possible.

According to the inspection results conducted by BriSA company supervisors, the tires that have reached the end of their service life need to be urgently replaced.

Operational Risk	Yes/No	Comments
OpEx savings	Heat	No
	Electricity	No
	MTN Cost	No
	Reliability/MTBF	No
	Cli.Inco%	No
Co2 savings	No	
H&S effect	Yes	The tires will be renewed and made reliable in terms of Occupational Health and Safety.
Environmental/Legal	No	
Payback	Dynamic	.
	Static	.

Photo-existing situation



Photo-new/upgraded situation



Budget total : 82.560 €
Budget total : 3.162 mTL

This AFE is not included PL24. AFE 324037 will be canceled for occupational health and safety reasons. However, the budget will be compensated from AFE: 324037.

Executive Summary and Project Description:

As a result of the inspection carried out at Akçansa Ambarlı Port and Terminal Facilities, it was determined that the system does not meet the required qualifications according to current fire regulations. In the event of a possible fire, significant damage may occur, and the operation of the port will be disrupted. Because of the high maintenance and repair costs of the fire pumps that have reached the end of their economic life, they need to be replaced. Due to legal requirements and the inability to perform maintenance, a new fire extinguishing system will be installed. As a result, this AFE has been submitted for approval without prior planning.

According to the inspection conducted by an independent survey, the fire system that does not comply with regulations and standards must be replaced as a matter of urgency.

The new system to be installed will operate with fresh water and will comply with regulations and standards. It is aimed to minimize damages.

Operational Risk		Yes/No	Comments
OpEx savings	Heat	Yes	
	Electricity	Yes	
	MTN Cost	No	
	Reliability/MTBF	No	
	Cli.Inco%	No	
Co2 savings		Yes/No	
H&S effect		Yes	The new system is safer.
Environmental/Legal		Yes	New system complies with regulations and standards
Payback	Dynamic		.
	Static		.

Photo-existing situation



Photo-new/upgraded situation



Budget total : 95.800 €

Budget total : 3.670.000 TL

This AFE is not included PL24. However, the budget will be compensated from AFE: 324019.