ATENA
FUTURE TECHNOLOGY

SCHEDA PROGETTO

Titolo:

CLean shipYARds for reducing pollutant emissions and increasing resource efficiency in urban areas

Acronimo:

CLYAR

Ente Finanziatore:

EU LIFE

Call:

2018 LIFE 2018/000454

Coordinatore:

Cantieri del mediterraneo

Partner:

Università di Napoli Parthenope, Atena scarl

Durata prevista:

Data inizio:
Data Fine:

Budget:

	Totale	Atena	Parthenope
Budget Progetto	5.950.000	35.000	394.800
Agevolazione			

Stato:

Non Finanziato

Obiettivi:

Shipyards sector is strongly energy-intensive and the energy requirements are currently satisfied by using diesel engines, whose main pollutants are sulphur dioxide, nitrogen oxides, volatile organic compounds (VOCs) and particulate matter (PM).
This strong impact on environment is even more critical if we consider that shipyards are generally located in urban areas. As a matter of fact, the environmental footprints from ports in urban areas are high not only due to the presence of shipping with large diesel engines and to the large numbers of vehicles and cranes that move goods within a port, but also to the shipyards that consume large amount of energy often produced by low quality fossil fuels (i.e. diesel).
As a consequence, shipyards activities and operation have an impact, in terms of air and water quality, noise and emissions, on the urban environment. The overall aim of LIFE CLYAR is to introduce, realize, test and create the

conditions for replicating the model of a cleaner shipyard by reducing the environmental impact, using renewable energy sources, and implementing advanced and more efficient processing technologies. This overall aim will be satisfied by implementing in the shipyard both optimized management practices for the production, distribution and storage of the electric power generated by renewable energy sources and efficient technologies for the energy conversion and the wastes reduction.
The project will start by a depth analysis on the energy consumptions (electricity and fossil fuels), on the wastes production, and on the technologies applied to the shipyard operation. This analysis will allow to choice and size the best technologies for transforming the shipyard in an industrial activity that tries to satisfy the European policies and legislation on the reduction and controlling of the pollutants in ports and urban area