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# CapLab decarbonization center established at Molo Giano

by The Editorial Team — March 24, 2023 in Green Shipping



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## The new CapLab decarbonization center, result of a

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euro investment.

According to its founders, its strength is precisely the synergy between research and industry, in an alliance that promotes scientific and training progress that can have important positive effects on the territory. The main research areas of the CapLab will be:

- CO<sub>2</sub> capture,
- production of clean energy,
- production and use of hydrogen,
- applications in the naval sector,
- applications in the terrestrial sector (turbo gas, steel mills, etc.)
- integration with renewable sources (bio- LNG, e-methanol).

CapLab programs and projects:

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  - experimental laboratory for the production and testing of molten carbonate fuel cells
  - computer laboratory for cell modeling,
  - joint participation in national and international research programs
  - participation for research funding
  - training (conducting theses and training internships, activating research grants, carrying out studies, research and teaching activities, organizing training activities etc.).

“Genoa is proud to host CapLab, a center of excellence for developing technologies for decarbonisation”

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“Only by pooling our knowledge and research skills will we be able to accompany companies on the energy transition path that will allow them to meet the ambitious emission reduction targets set by world organizations, beginning with the IMO-International Maritime Organization. Today is a significant day, but it is only the beginning; we anticipate seeing the first concrete results of this collaboration soon”

said Maurizio Archetti, president of Ecospray

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