



BayoTech™

# HYDROGEN SOLUTIONS FOR PORTS

Making cleaner ports a reality with  
hydrogen & fuel cells.

[www.bayotech.us](http://www.bayotech.us)

Making Hydrogen Easy™



# REDUCING AIR POLLUTION AT PORTS

Ports are an essential part of the economy, bringing in the goods we rely on from overseas and moving them overland by truck and rail. But this can come at significant environmental cost.

Port activities rely on a wide range of vessels and vehicles with diesel engines, which are significant source of air pollution, with serious impacts on the environment and human health.

As port managers work to lower emissions of their operations for the benefit of nearby communities, hydrogen fuel cells are coming to the forefront as the ultimate solution.

## FUEL CELL-POWERED PORT VEHICLES

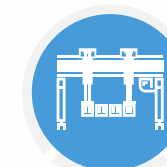
Zero-emission fuel cells and hydrogen energy provide the long run time, quick refueling, and quiet, efficient power required to meet the fast-paced and constantly moving demands of ports. Hydrogen energy and fuel cells can be used for propulsion and auxiliary services, transporting cargo, loading and unloading of ships, generating electricity for lighting, security, and electronics.



Vessels



Shore  
Power



Rubber Tire  
Gantries



Reach  
Stackers



Forklifts



Yard Trucks



Drayage Trucks



# HYDROGEN FUELING SOLUTIONS

Ports provide an ideal environment for development of a hydrogen ecosystem, offering centralized production, storage and refueling sites for various applications.

Transitioning ports to hydrogen energy has never been easier. Compact in size and quick to site, BayoTech's onsite hydrogen generation systems tap into existing natural gas pipelines or co-located biogas resources to produce up to 1,000 kilograms of hydrogen per day. Combining onsite hydrogen production with the 2-3x greater efficiency of fuel cells versus internal combustion engines can radically improve air quality at ports.

**Ready to join the hydrogen revolution?  
Contact BayoTech today to get started.**

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