

Payne Institute Spring Seminar Series

Arnaud Vasquez, CEO

HySeas Energy

Taking Hydrogen to the Seas – A Detailed Look at the Challenges of Deploying Hydrogen Fuel Cells in the Marine Environment

Noon-1:00pm | Tuesday, January 21, 2020

Alderson Hall – Room 134, CO School of Mines

After 30 years of a professional maritime career, started in 1986 in the French National Navy; Arnaud Vasquez took the decision to put all his experience as captain and chief engineer at the service of clean technologies, respectful of the environment. Drawing his main motivation from the observation that maritime activity necessarily needs a coherent paradigm shift. Mr. Vasquez has, beyond that, an understanding that clean technologies for the maritime sector form a vast reservoir of growth and jobs for the future. Beyond an environmental logic, it is also a real economic logic that brings hope.

HySeas Energy designs and develops a complete PEMFC fuel cell system encapsulated into a self-contained, self-sustaining and certified marine package. The system is provided with maintenance, crew training and warranty services.

Through a solid partnership with a localised passenger transport shipowner and a hydrogen gas provider, HySeas secured the governmental funding for the development of a high capacity, extended range zero emission vessel. The ship will have a total FC power of 600kW, store 260kg of CGH₂ 35Mpa and carry 200 passengers.