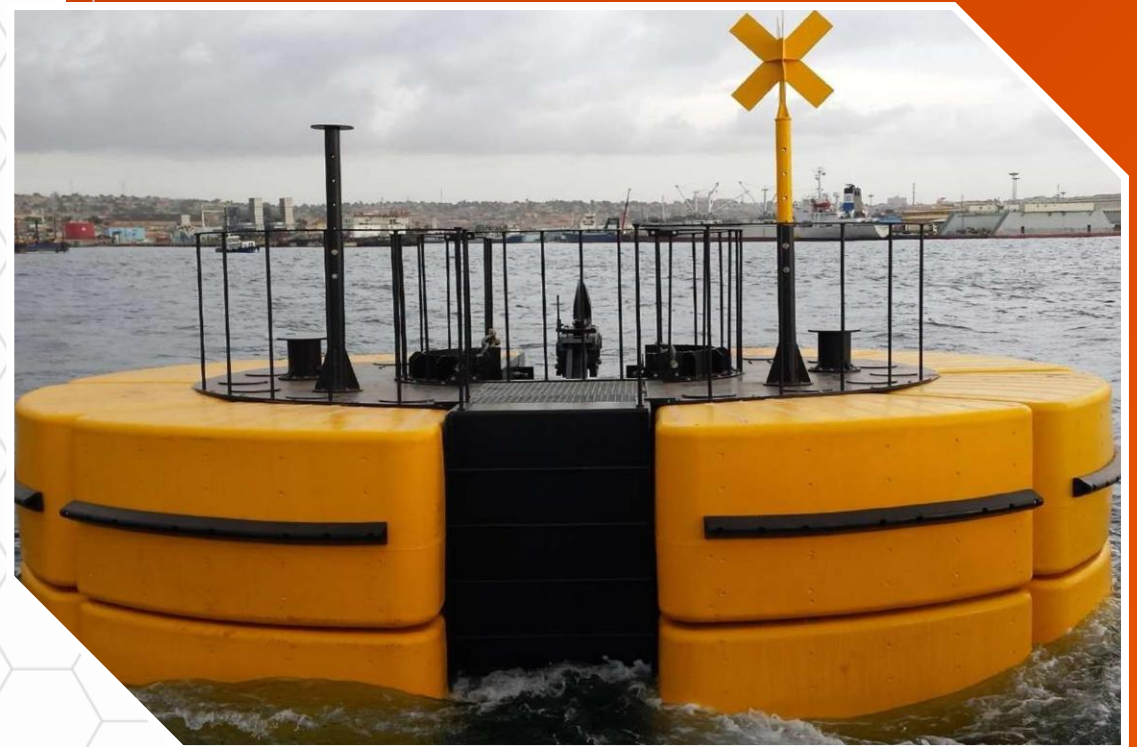


Resinex Catamaran Buoy

Patented Multi-Lever technology
for stable mooring



What is a Catamaran Buoy?

This mooring buoy, patented by Resinex in the late 1980s, features an innovative **Multi-Lever System** designed to balance mooring line tension and keep the buoy in a stable horizontal position, even under the most demanding operating conditions.

Over the years, the system has continuously evolved through improvements in materials and engineering design, resulting in enhanced product reliability, safety, and overall quality. The design ensures maximum safety for operators and provides increased protection in emergency situations. By minimizing excessive movement, the system prevents strong oscillations of the buoy while moored, significantly reducing risks to both personnel and vessels.

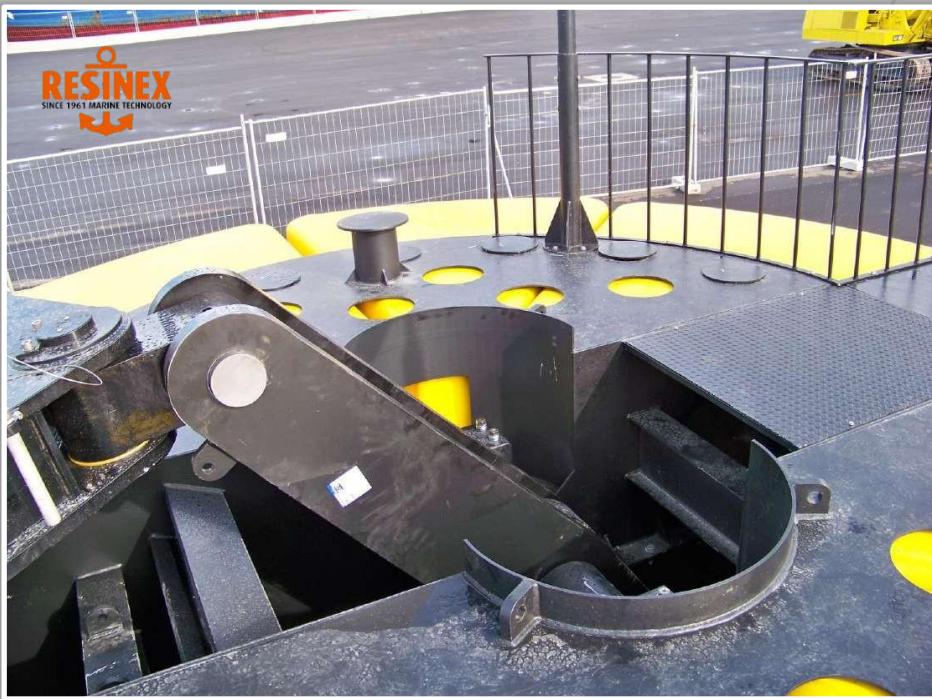




MODULARITY

The modular design allows each buoy to be configured according to required buoyancy, SWL and site conditions. This flexible architecture simplifies transport, installation and future maintenance.

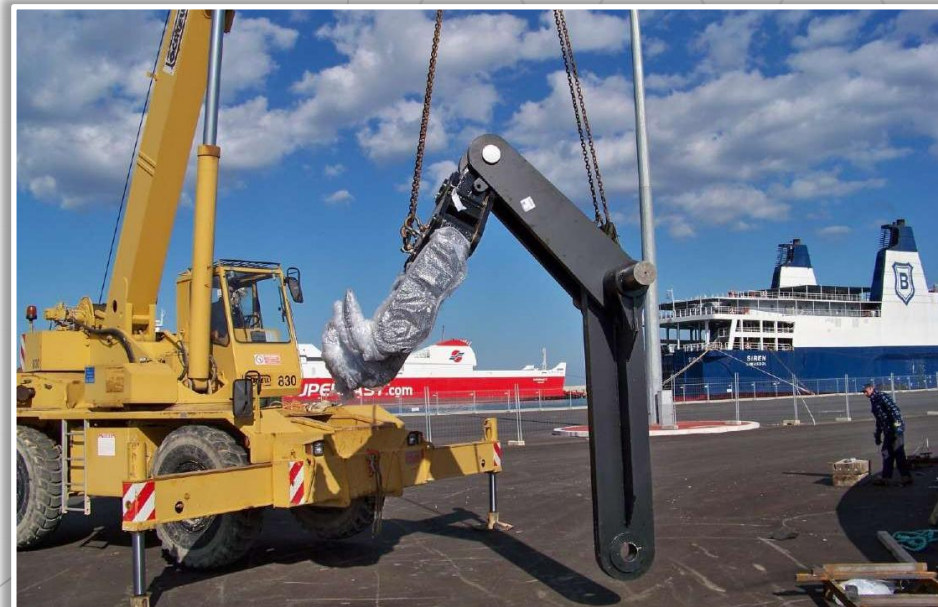




MULTI-LEVER SYSTEM

The proprietary Multi-Lever System redistributes mooring forces and maintains the buoy in a stable horizontal position under load.

By controlling tension and reducing dynamic movement, it improves operational safety and limits structural stress during mooring operations.





STABILITY **AND SAFETY**

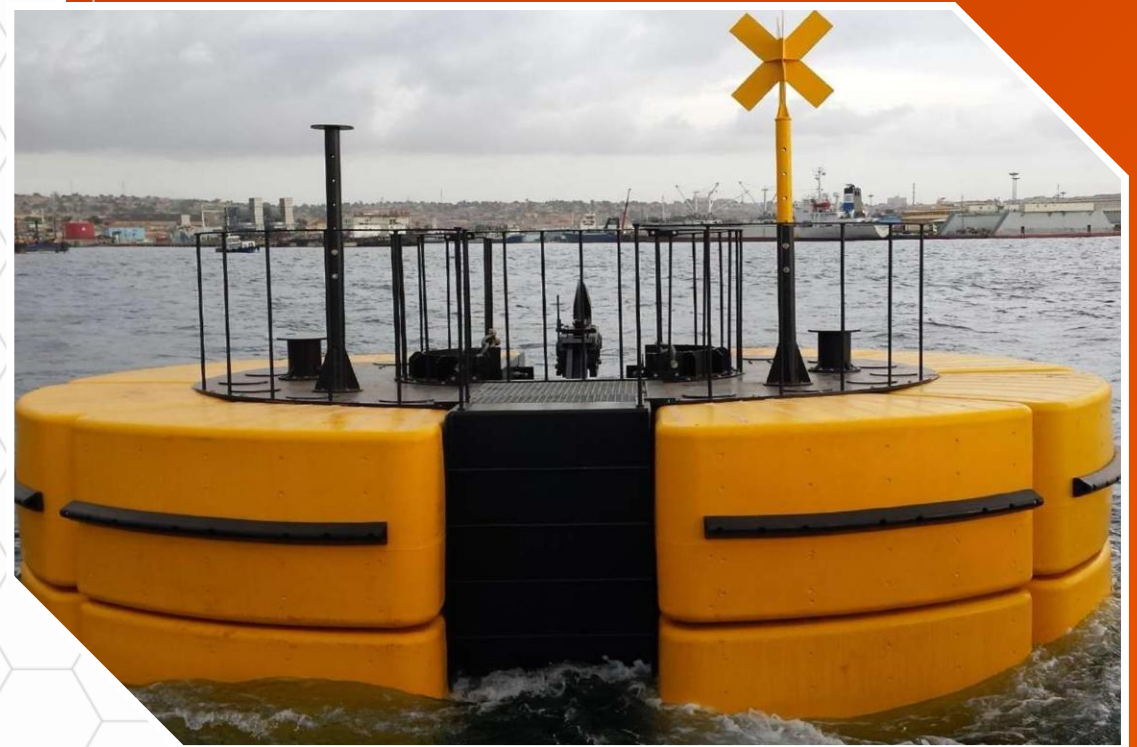
The system maintains stable behaviour during mooring operations, reducing excessive movement and improving control under load. This ensures safer working conditions for operators and reliable protection for vessels, even in demanding environments.

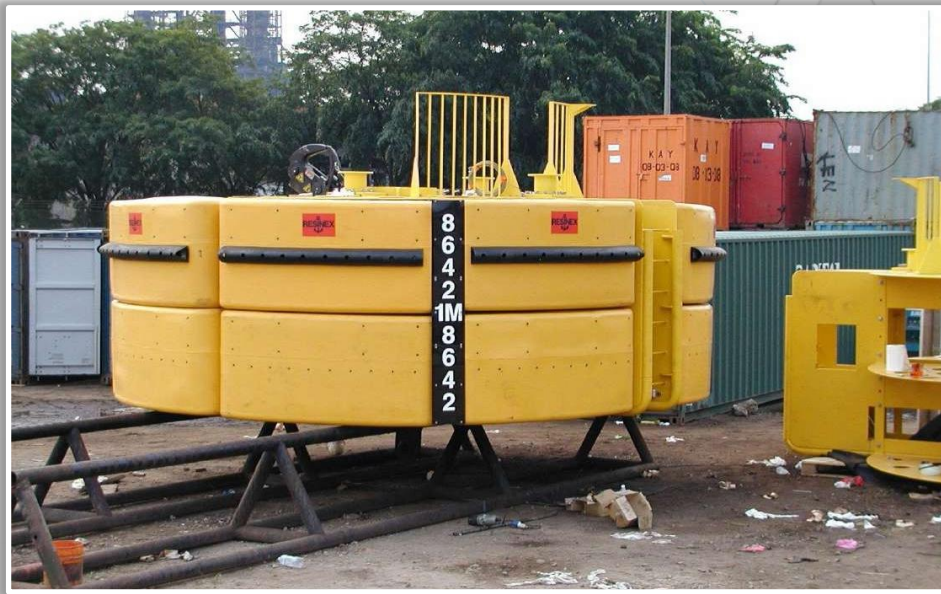


Case Studies

Proven performance in ports and terminals worldwide

Global installations from 50 t to 400 t SWL





Malaysia 2005

SWL 75 t | Ø 5.8 m | H 2 m





Italy 2008

SWL 250 t | $\varnothing$ 5.8 m | H 3 m





Cameroun 2008

SWL 90 t | Ø 4.3 m | H 4.3 m

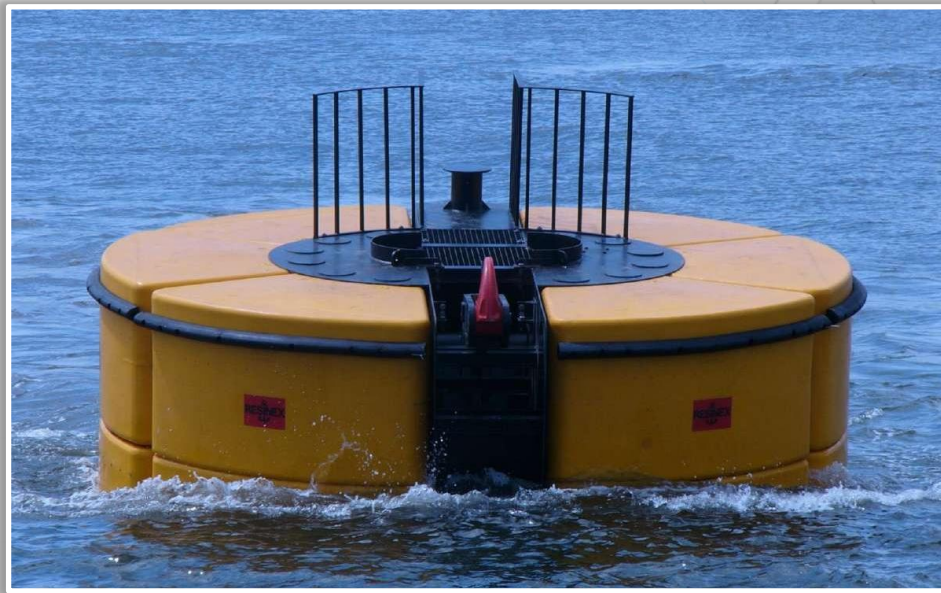




Albania 2008

SWL 60 t | Ø 4.3 m | H 1.1 m





Venezuela 2008

SWL 75 t | Ø 4.3 m | H 2.2 m





Italy 2009

SWL 300 t | Ø 5.8 m | H 2.2 m





Malaysia

Refurbishment of the
previous buoys





Venezuela 2010

SWL 75 t | Ø 4.3 m | H 2.2 m





Tenerife 2010

SWL 150 t | Ø 5 m | H 2.2 m





Italy 2010

SWL 50 t | Ø 4.3 m | H 1.1 m





Malaysia 2012

SWL 75 t | Ø 5.8 m | H 2.5 m





Malaysia 2014

SWL 75 t | Ø 5.8 m | H 2.5 m





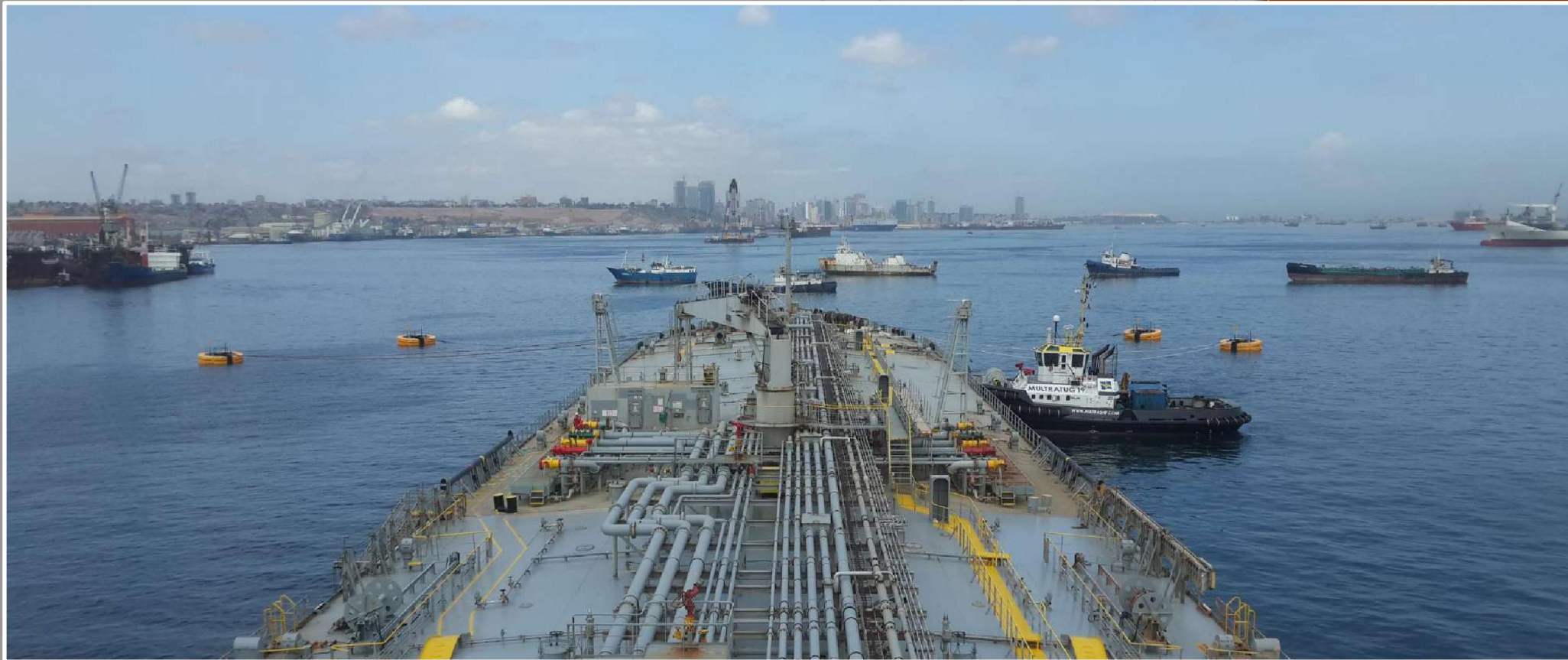
Angola 2015

SWL 120 t | Ø 5.8 m | H 2 m





Angola 2015





Italy 2016

SWL 80 t | Ø 4.3 m | H 1.1 m

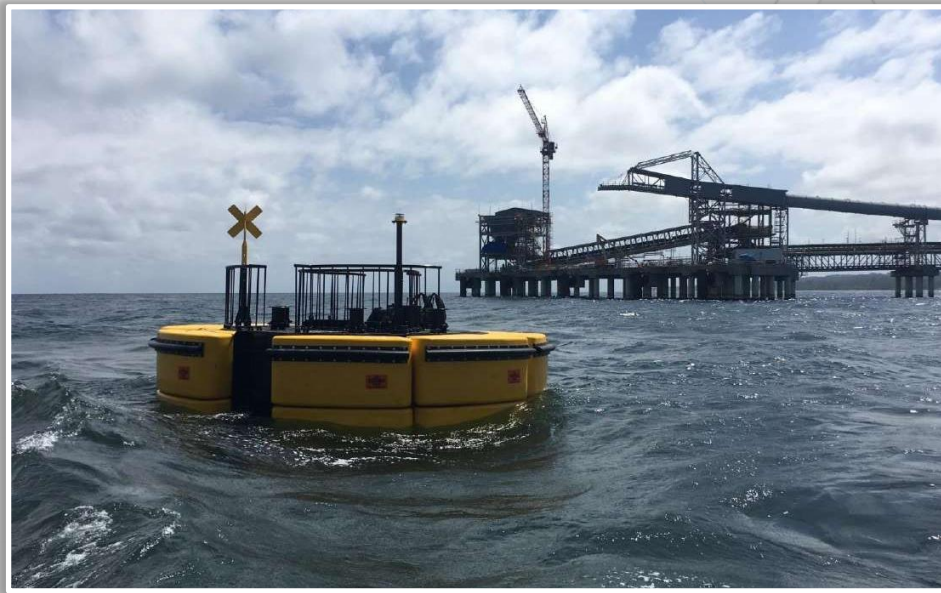




Egypt 2017

SWL 180 t | Ø 5 m | H 2.2 m





Panama 2018

SWL 275 t | Ø 5.8 m | H 2 m





Panama 2018





Panama 2018



DJI_0001



Egypt 2021

SWL 90 t | Ø 6 m | H 2.2 m





Panama 2018

SWL 275 t | Ø 5.8 m | H 2 m





Colombia 2022

SWL 300 t | Ø 5.8 m | H 3.3 m





Colombia 2022





Curaçao 2023

SWL 400 t | Ø 5.8 m | H 3.3 m





Curaçao 2023





Romania 2024

SWL 150 t | Ø 5.8 m | H 1.2 m





Thailand 2024

SWL 275 t | Ø 6.6 m | H 3.2 m





Thailand 2024

SWL 275 t | Ø 6.6 m | H 3.2 m





Thailand 2024





Ras al-Khaima 2026

SWL 200 t | Ø 7.1 m | H 2.2 m





Ras al-Khaima 2026



Contacts

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