



Nautical Landing System

...Landing Gear..for your Boat...

Nautical Landing System [NLS] technology allows a single-handed boater to connect to a dock or mooring - or trailer - all without leaving the safety and comfort of the cockpit. The Nautical Landing System uses the forward momentum force of your boat to automatically engage a target pole on the dock or buoy. Once docked or moored, the device's optional swing arm will act as a mooring whip, safely spacing your boat away from the dock's edge. It is the first Automatic Boat-Hook-Mooring-Whip in one! Conceptual image shown here:



Patented Mechanism

The NLS system is protected under **US Utility Patent #6,508,190**. This intellectual property is now offered for license or purchase to interested manufacturers.

The Nautical Lander – a.k.a. SmartLander™ – is based on a simple principle that takes advantage of your ship's momentum. The forward motion of the vessel feeds the target pole into



a "catch eye".

The catch eye locks to the pole, but still allows vertical play to account for your ship's motion in the water. The Catch Eye has a unique "V" shape which acts as a guide along which the Target Pole slides. At the center of the "V" is the spring-loaded 2-Direction Latch. Push a button from the cockpit to release the Latch and you are under way!



Product Focuses on the Problem

There are several pitfalls in landing your boat on a dock or a mooring. The captain steers from the cockpit, and usually needs a second person at the bow to act as a guide and grab the mooring line or dock cleat. When the second person at the bow is in the process of trying to catch that line or cleat, s/he can lose balance and fall overboard, lose grip of the line, or even miss the target and risk hitting other boats, running aground, etc. In docking maneuvers, similar dangers and inconveniences also exist, especially in larger yachts. Currently the process requires skill, experience, physical strength, balance, and an extra body. With the Nautical Lander it is easy to land your yacht on the first pass - also making it faster, easier and safer to do it solo.



Development Status

Prototype Nautical Landing Units have been fabricated and tested. Momentum Marine is actively searching for a dedicated Marine Product Manufacturer to transfer the technology rights to.

Our market surveys show that over 50% of respondents demand a product that will make the landing and launching process safer, quicker and easier for boaters.

Daniel Norton is the inventor and has been independently developing the NLS. Daniel earned his Bachelor's of Science degree in Mechanical Engineering in 1998, and currently works as a Mechanical Design Engineer in North Carolina. Dan has been an avid sailor for over 15 years. Contact Daniel for any inquiries.

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Market Reach

Momentum Marine has identified a vast opportunity in the Marine Equipment marketplace. The Nautical Landing System works for any size boat, sail or power. Here are a few applications currently targeted for the NLS:

- Dingy Hitch to Boat Ladders
- Powerboats Hitch to Docks, Moorings
- Sailboats Hitch to Docks, Moorings
- Powerboats Hitch to Trailers
- Rental Fleets
- Marina Gas Stations
- Hitch Integrated into new Hull Designs
- Jetski Trailers