



**GLEN ENGINEERING** *limited*  
FOCUS ON MARINE AND OFFSHORE

Solutions for Mooring and Docking



IntDock™

Intelligent Docking Equipment: PDAS

**PORTABLE DOCKING AID SYSTEM**

**MAKE YOUR DOCKING IN ONE PACKAGE**





## IntDock™ - Portable Docking Aid System (PDAS)

### Instruction

Portable Docking Aid System (PDAS) monitors the vessel approach and departure. It measures the distance from the fender line to the vessel and calculates the approach speed and angle.

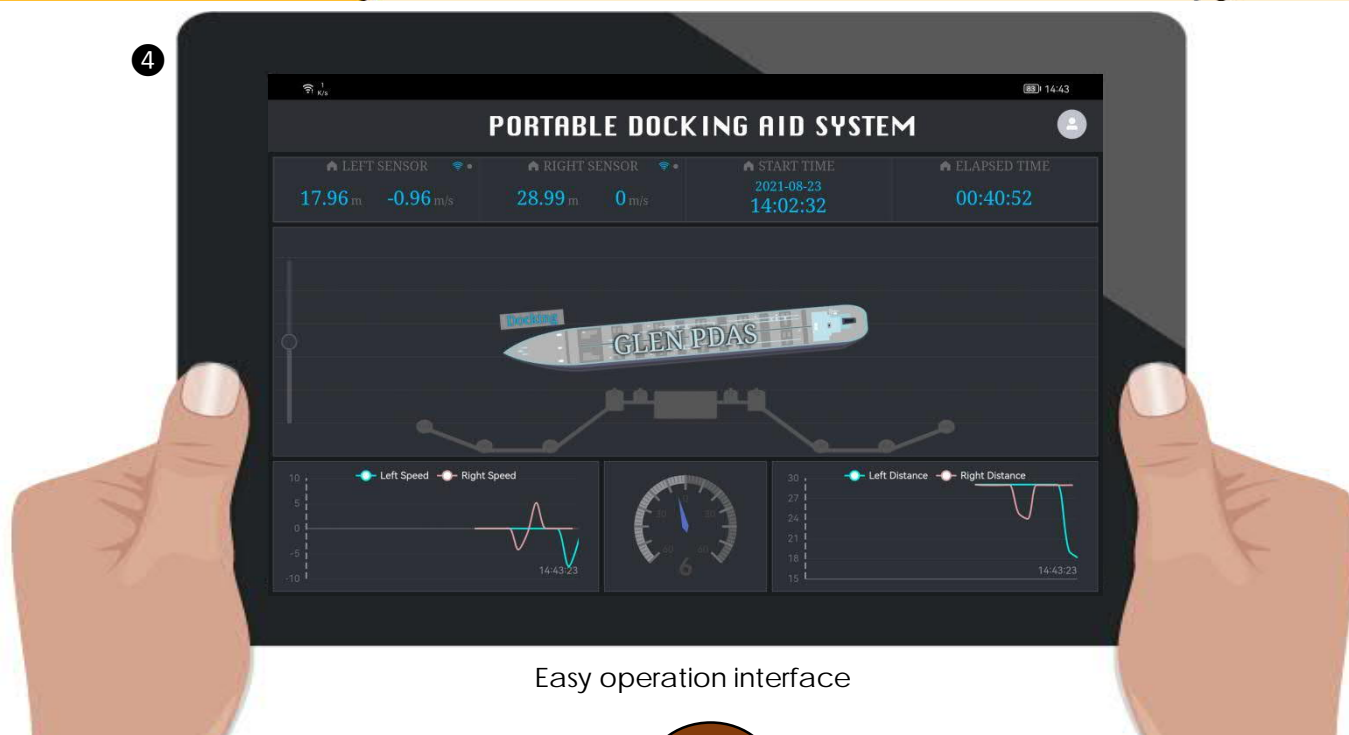
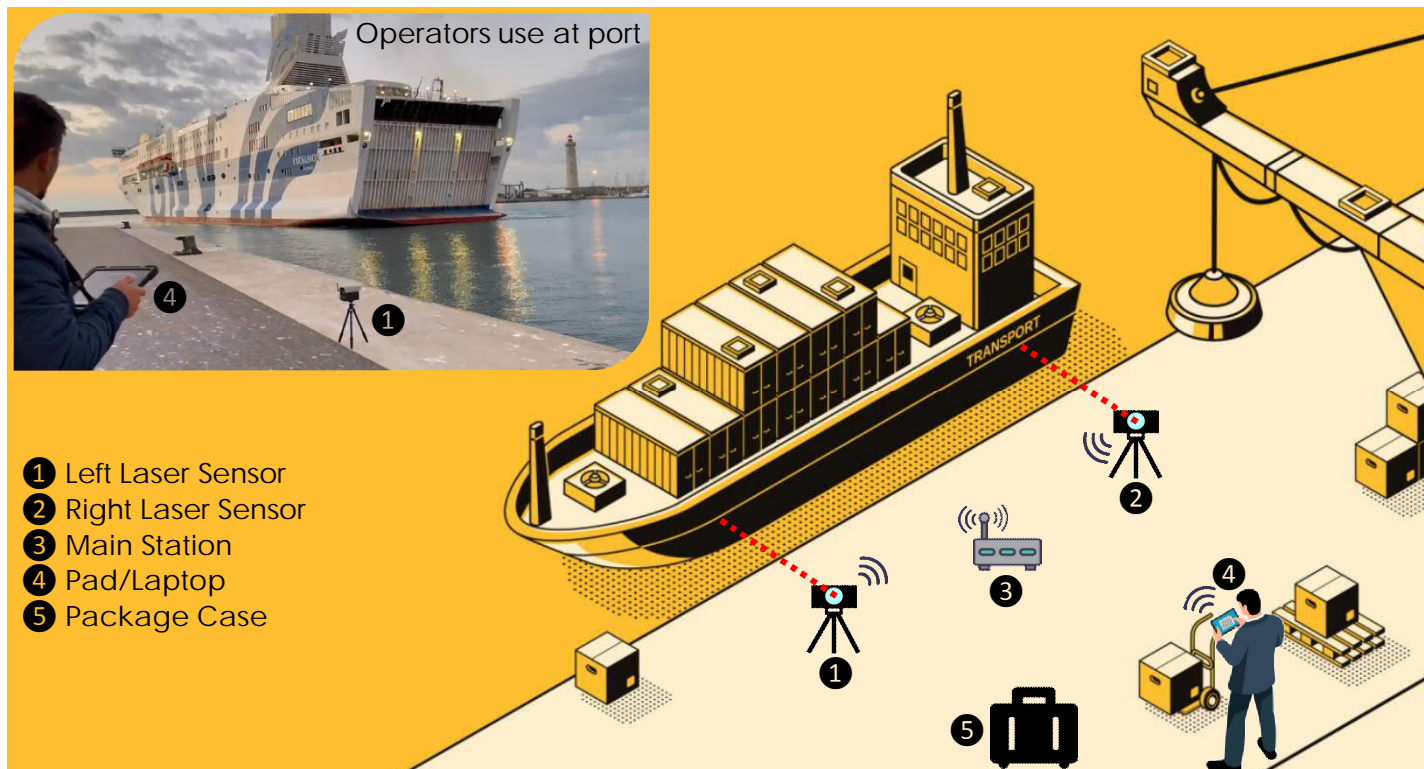
PDAS provides the information to the jetty/port staff members via pad and laptop. It is helpful for protecting the fenders and dolphins from damage by warning the pilot and the jetty/port staff members in case of over speed.

Question: What is the difference between Berthing Approach System and Portable Docking Aid System?

Answer: See below:

System	Berthing Approach System (BAS)	Portable Docking Aid System (PDAS)
Similarity	To monitor and measure the distance/speed of vessel in docking/approach.	
Difference	BAS is a fixed system installed at port/jetty with a large display showing the information and transmits the data to central control system in control room.	PDAS is a portable system, not requires any installation for fixing laser sensors and display. Data transmission to central control system is also not essential. It is a removable instrument.
Classification	Hazardous Area and Non-hazardous Area	Non-hazardous Area
Functions	Multi-function: Distance, speed, angle, report, warning & alarm, site video, combination with central control system etc.	Distance, speed, angle, report, communication with central control system etc.
Component	     <ul style="list-style-type: none"> <li>● Two LMU300-Ex laser sensors</li> <li>● Highly visible Large LED display, clearly indicating approach distance, speed and angle etc.</li> <li>● Monitor System and database</li> </ul>	 <ul style="list-style-type: none"> <li>● 2 pcs of LMU200 laser sensor</li> <li>● 2 pcs of Tripod</li> <li>● 2 pcs of Aluminum alloy/SS housing with sunshield, IP66</li> <li>● Batteries for 12 hours</li> <li>● 2 pcs of DTU communication module</li> <li>● 1 pc of Main station</li> <li>● 1 pc of PAD or Laptop</li> </ul> <p>All components packed in a suitable carry case.</p>
Cost	High	Lower

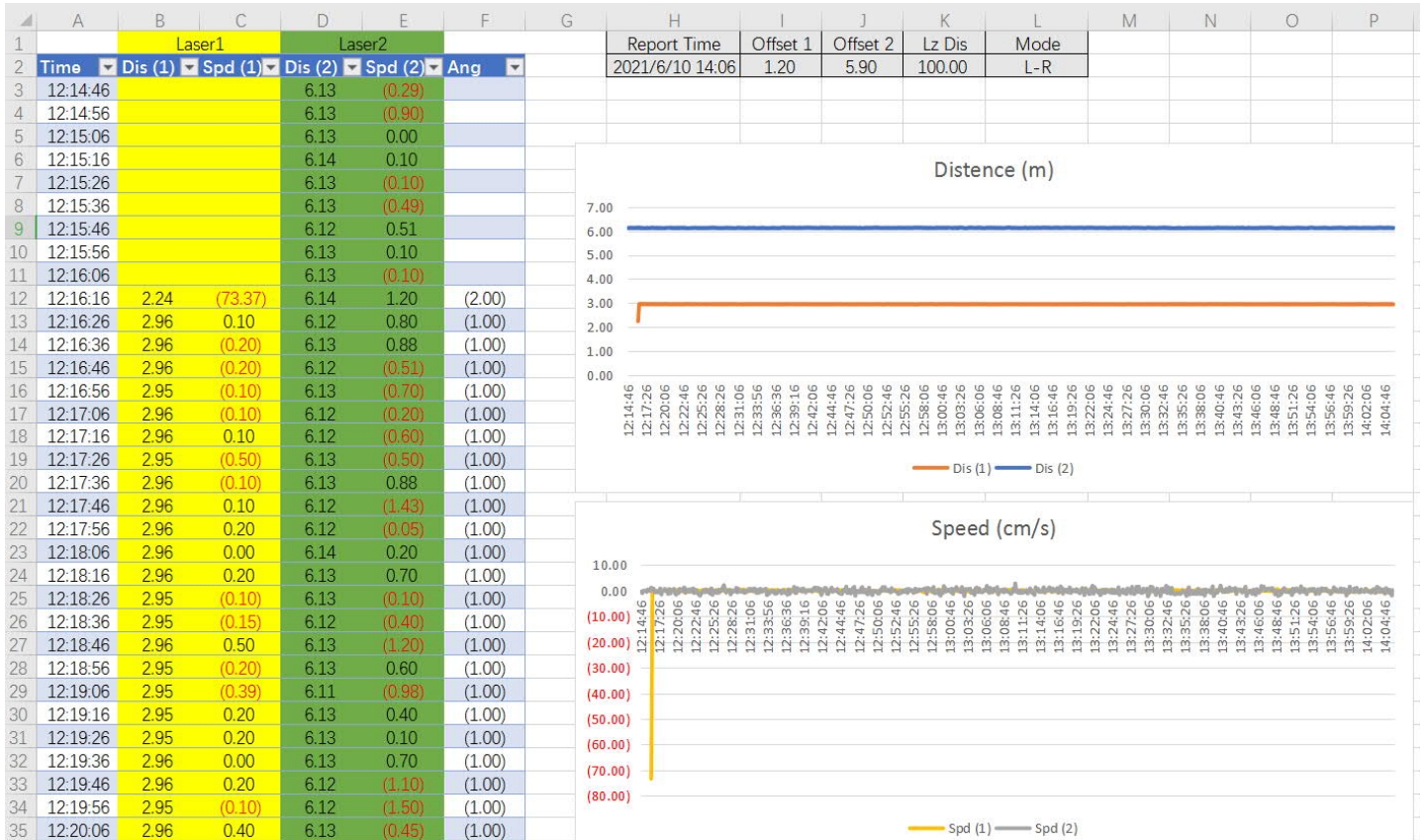
## System Diagram



### 5 Items of PDAS in Suitable Carry Case







Generating Docking Report - Sample

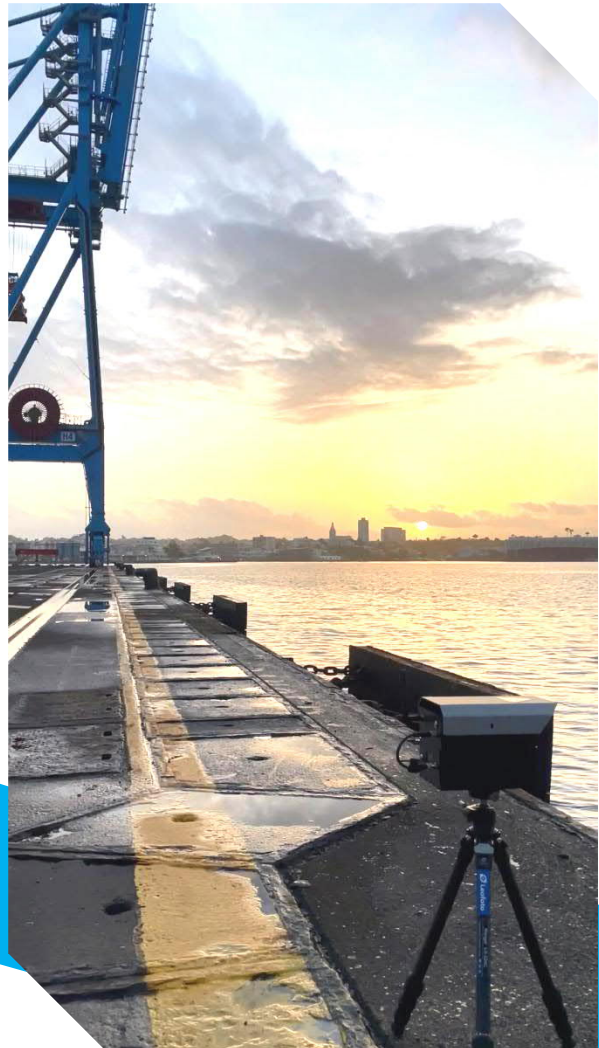
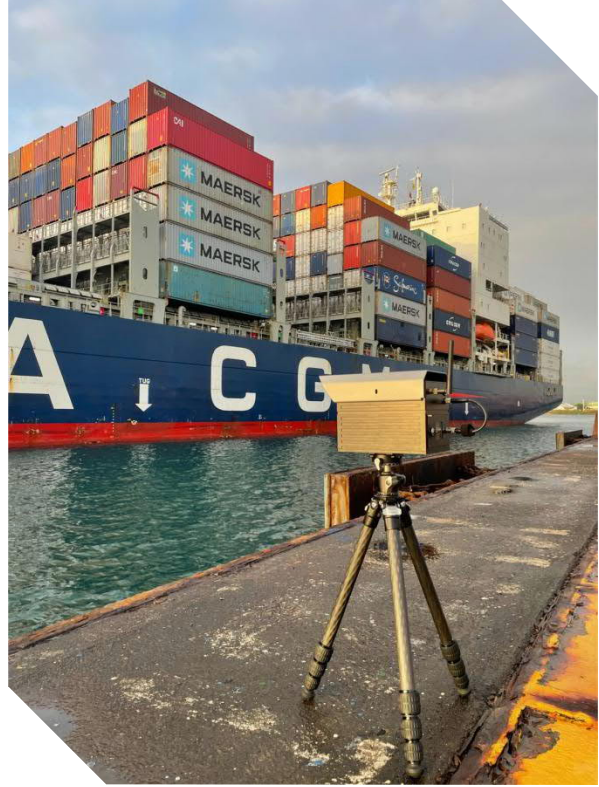
## Easy Carry, Assembly and Dismantling



Scan this QR code to watch the video  
Know more about Portable Docking Aid System (PDAS)



## Reference Port Site Photos



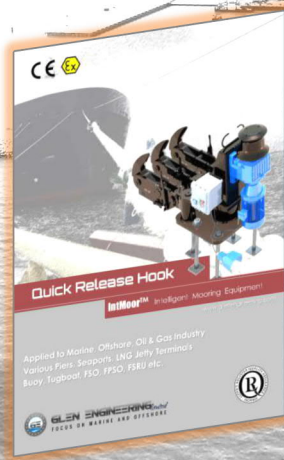




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## Extension Product Recommended

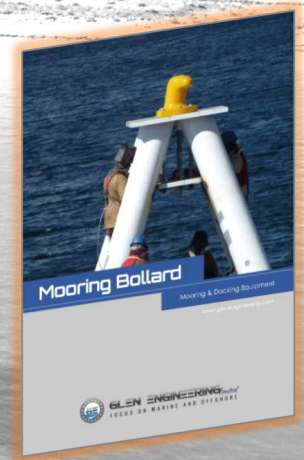
**Your Professional Partner in Mooring & Docking**



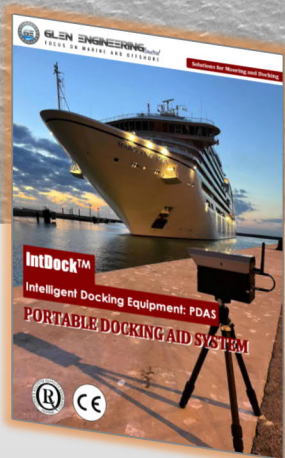
**Quick Release Hook**



**Free Standing Capstan**



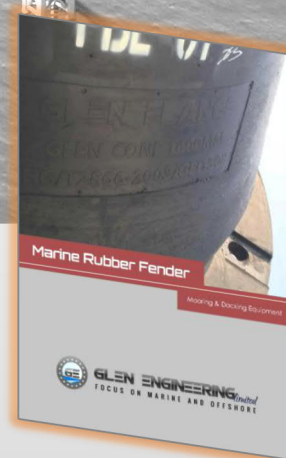
**Mooring Bollard**



**Portable Docking Aid System**



**Berthing Approach System**



**Rubber Fender**

### Contact

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