

## SETTING UP A TWIN RIG WITH NOTUS

Notus UK Ltd. is Fraserburgh based firm that has delivered over 200 Trawlmaster net monitoring systems to the twin rig fleet in the UK and Ireland. The following article aims to provide information to skippers on how Notus can make setting up a twin rigger easier, faster and more efficient.

The recommended setup consists of a system to monitor doorspread on each net, trawl wire lengths, middle wire adjustment and door angle. This setup involves a sensor on each door and two on the clump. A 3D graphic of the trawls is provided in the wheelhouse.

Doorspread on each net is critical to proper adjustment on a twin rig. On the initial

installation, many skippers see that one net is spread more than the other. This is the main reason why vessels do not catch equal bulk in each net. By using spread, the doors and backstrops can be adjusted for equal spread. Notus also works with skippers to calculate the optimal spread for the gear.

The trawl wire measurement is another critical piece of information. If the doors are out of line, it is very difficult to make precise adjustments to the gear. Combining the spread and trawl wire lengths, the Notus calculates a middle wire adjustment to ensure the clump is in line with the doors. If the clump is behind the doors, the trawls will be underspread resulting in reduced fishing and increased tearups. If the clump is in front of the doors, the trawls will be overspread resulting in reduced fishing.

The door sensors can be upgraded to provide door angle. Most important is the heel angle that indicates if the door is leaning inward or outward. This sensor allows for precise warp length adjustments and indicates if the doors are on bottom. When too much wire is set the doors can fall over which reduces spread. Many skippers are also able to see the doors come off bottom. When the doors are on bottom, the heel angle is around 20°; however, when the doors come off the bottom the angle can change to 8°.

Notus offers monthly financing for the above solution.

For more information, please contact Notus UK at Tel: +44 1346 512 944, [notus@btconnect.com](mailto:notus@btconnect.com), [www.notusuk.com](http://www.notusuk.com).



The above graphic indicates that the port door as fallen over (72.1°) and the port net has closed with only 14.2 m of spread.