



TowPro

advanced tow protection



TowPro, the latest advance in tow protection, enables captains to prevent losses and reduce insurance claims

The current practice of fitting tracker devices to towed tenders has come under pressure due to the increasing size and value of tenders, the increased levels of claims, and the increased restrictions in insurance cover.

Advances in technology now raise the level of tow protection available and establish a new standard industry practice - helping captains prevent losses in the first place and reduce claims.

Basic tow protection

Basic tow protection helps with recovery of a tender AFTER failure of the tow:

- **AIS unit**, typically required by insurers to be fitted and operational while under tow:
 - broadcasts position reports via VHF so tender is seen locally by the returning yacht and any other nearby boats.
- **Satellite tracker** (e.g Iridium), sometimes required by insurers:
 - sends position reports to a tracking website so that tender can be found if it has been abandoned AFTER a loss.

Both of these are important... **but prevention is better than cure...**

Captains complain that they are 'towing blind'. Once they start a tow, they can't see what's going on in the tender until they get to the other end - or an incident occurs. Advanced tow protection with TowPro is the solution.

Advanced tow protection

Advanced tow protection with TowPro gives captains:

- **'Eyes in the boat'**: continuous live information about the level of water in the bilges, how often the bilge pump is running, how much battery is left, and more.
- **'Bridge alerts'**: TowPro can be set to issue alerts when safety levels go outside the captain's comfort zone, so that the bridge crew needs to investigate and take care of problems.

Easy to install and simple to use, TowPro is available with an international approved installer network, and establishes the new industry standard for reducing tender towing risk.

		AIS tracker	Iridium tracker	TowPro
BEFORE	Eyes in the boat			✓
	Bridge alerts			✓
	Tow adrift alarm			✓
AFTER	AIS tracking	✓		✓ Automatic activation
	Iridium tracking		✓	
	COLREG 'Not under command' lights			

It is clearly important for insurers to ensure that their policies do not contravene IMO regulations. The use of AIS on tenders while under tow, as commonly required for basic tow protection, is specifically prohibited, and insurers that specify basic tow protection using AIS are requiring their captains to operate illegally. In order to comply with IMO regulations and also to broadcast AIS for safety once adrift, TowPro automatically starts broadcasting emergency AIS positions when the tow fails.



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Key features

'Eyes in the boat'

TowPro			
Tow Connected			
Tow Length	Battery	Bilge 1 Level	Bilge 2 Level
19.1 m	13.2 V	Dry	Dry
Rolling Angle	Trim Angle	Pump 1 / Hour	Pump 2 / Hour
19.5 °	5.7 °	3 Mins	0 Mins

TowPro gives captains peace of mind at a glance

Key safety data are displayed live:

- Bilge water levels
- Bilge pump run times
- Battery health
- Tow stability: surging and yawing
- Tender stability: pitching and rolling

'Bridge alerts'

TowPro			
Tow Connected			
Surging Speed	Battery	Bilge 1 Level	Bilge 2 Level
0.1			
Rolling Angle	Trim Angle	Pump 1 / Hour	Pump 2 / Hour
21.8 °	-1.5 °	4 Mins	0 Mins

TowPro helps bridge crew spot problems fast

Captains can set TowPro to give instant alerts when safety data exceeds acceptable levels.

The alerts prompt bridge crew to investigate the problem, and take precautionary action if required to prevent incidents occurring.

In this example, the captain accepts that an automatic bilge pump might run for 3 minutes per hour to remove spray, etc, but wants an alert if it runs for longer.

Automatic 'adrift' protection

TowPro			
Tender Adrift			
Tow Length	Battery	Bilge 1 Level	Bilge 2 Level
20.1			
Surging Speed	Trim Angle	Rolling Angle	List Angle
0.3 KTS	2.6 °	0.8 °	2.8 °

TowPro provides comprehensive protection – automatically

TowPro continuously monitors the tow length. If the tow fails, TowPro automatically activates:

- Emergency AIS broadcast to nearby shipping
- Hourly iridium reports to tracking website
- COLREG required 'Not under command' lights