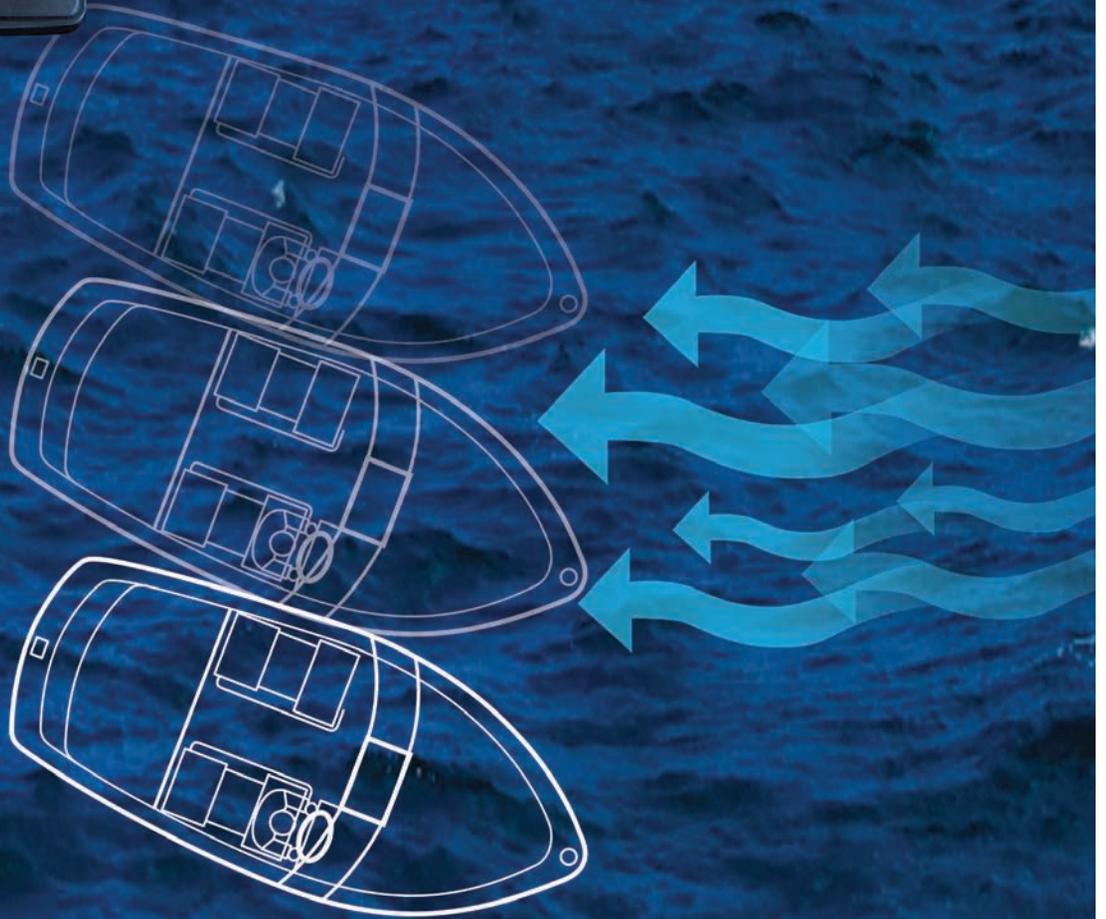# ZF iDrift™
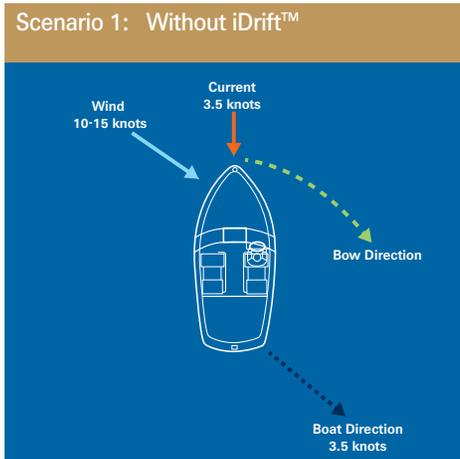
► Automatically holds your compass heading

► Control your drift speed and direction
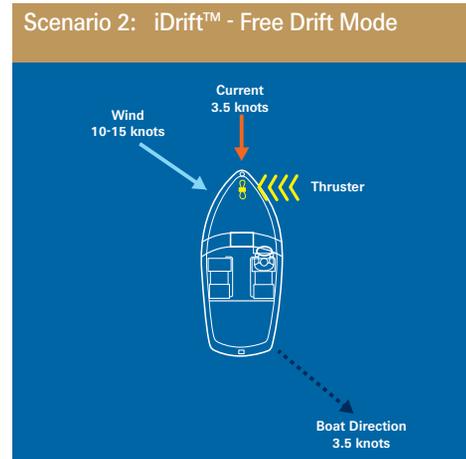
► Integrated with ZF JMS™ 4.0 and iAnchor™ platform
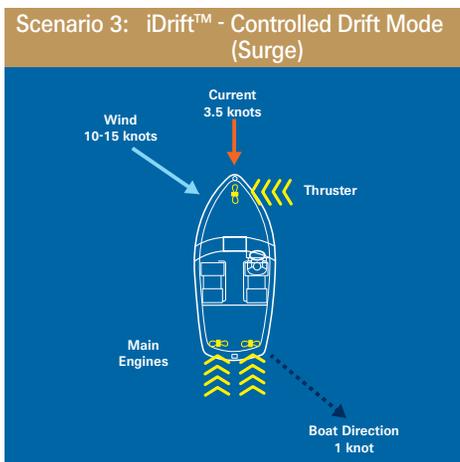
ZF iDrift™…it's time to go against the current.

Using ZF iAnchor™ as the base platform, our **new ZF iDrift™ technology** offers you the ability to control drift speed and direction when your vessel is in windy conditions and/or active current – all while maintaining the bow's heading. Depending on the direction and strength of the wind and/or current, you can orient the bow to the desired heading and activate ZF iDrift™.

Scenario 1: Without iDrift™

Wind 10-15 knots

Current 3.5 knots

Bow Direction
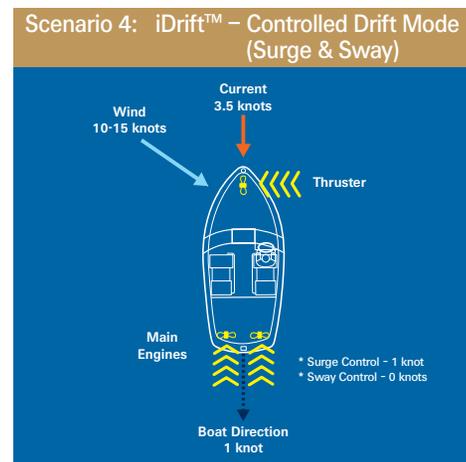
Boat Direction 3.5 knots

Boat is bow first into the current, which is running at 3.5 knots, and wind is on the port bow at 10-15 knots. The wind will push the bow to the starboard (right) and the boat will drift with the current at 3.5 knots, but it will be pushed to the starboard because of the effect of the wind.

Scenario 2: iDrift™ - Free Drift Mode

Wind 10-15 knots

Current 3.5 knots

Thruster

Boat Direction 3.5 knots

Same as Scenario 1, but now the boat will hold its compass heading from the point when ZF iDrift™ is turned on. This will prevent the bow from falling off to starboard, but the boat will still drift in the same general direction and speed as in Scenario 1.

Scenario 3: iDrift™ - Controlled Drift Mode (Surge)

Wind 10-15 knots

Current 3.5 knots

Thruster

Main Engines

Boat Direction 1 knot

Keeping Scenario 2, but now the Surge Control is set to 1 knot… this employs the "braking function" of ZF iDrift™. The bow still holds its direction on the compass heading, but now the boat slows down to only drift at 1 knot. So now the boat pushes against the current at 2.5 knots. The main engines thrust slightly against the current while the bow thruster holds the bow position.

Scenario 4: iDrift™ – Controlled Drift Mode (Surge & Sway)

Wind 10-15 knots

Current 3.5 knots

Thruster

Main Engines

* Surge Control – 1 knot
* Sway Control – 0 knots

Boat Direction 1 knot

The Surge Control allows the boat to drift at 1 knot, and now the Sway Control holds the boat – to not let it move to starboard due to the wind. The bow still holds its direction on the compass heading, the main engines are engaged, and the starboard (right) engine works to keep the boat from drifting to starboard – the boat actually drifts straight backwards at 1 knot. *All the functionality of ZF iDrift™ is fully engaged.*

The resulting drift speeds and directions as shown above are for illustrative purposes only.

ZF iDrift™ is the perfect solution to control your vessel's drift speed and heading when you are kite fishing, bottom fishing, or swordfishing. **ZF Marine is giving you unparalleled control when fishing in the current – if you get our drift.**

ZF MOTION AND MOBILITY