



Alfa Laval

# Sensor Exchange

For PureNOx

## Calibration through exchange for uninterrupted compliance

Keep your Alfa Laval PureNOx system in compliance, simply and conveniently. Through our Sensor Exchange service, we send you pre-calibrated sensors that your crew can swap for the existing sensors when calibration is due. Afterwards, you send the expired sensors back to us for factory calibration – without having to wait on the result. You get reliable, continued compliance with almost no downtime.

Our service helps you with:

- Easy, on-time compliance with regulations
- Exchange performed by your own crew
- Constant uptime – no waiting for sensors in transit
- Savings and sustainability compared to buying new sensors
- Rapid delivery worldwide

## How it works

Alfa Laval PureNOx systems have PAH and turbidity sensors that need to be calibrated to maintain compliance with water discharge limits. IMO and the U.S. Environmental Protection Agency require factory calibration of the sensors every 12 or 24 months, depending on the trading area.\*

Our PureNOx Sensor Exchange service applies to all types of PureNOx systems. When you request it, we send you pre-calibrated PAH and turbidity sensors to swap in. The crew can perform the exchange quickly and easily, and a calibration certificate is included in our delivery.

The service also includes arrangements for returning your expired sensors to us. We see that the sensors are factory inspected, maintained, cleaned and calibrated according to the regulations, so that they're ready for the next exchange.

Using the service reduces costs and environmental impact compared to stocking new sensors. Since there's no point when your PureNOx system is without calibrated sensors, so you can rely on it for continuous compliance.

\* For vessels travelling in Tier III NOx Emission Control Areas, the interval between calibrations is a maximum of 24 months. For vessels discharging in United States waters, the interval is a maximum of 12 months.

## How the service can be delivered



On site



Remotely



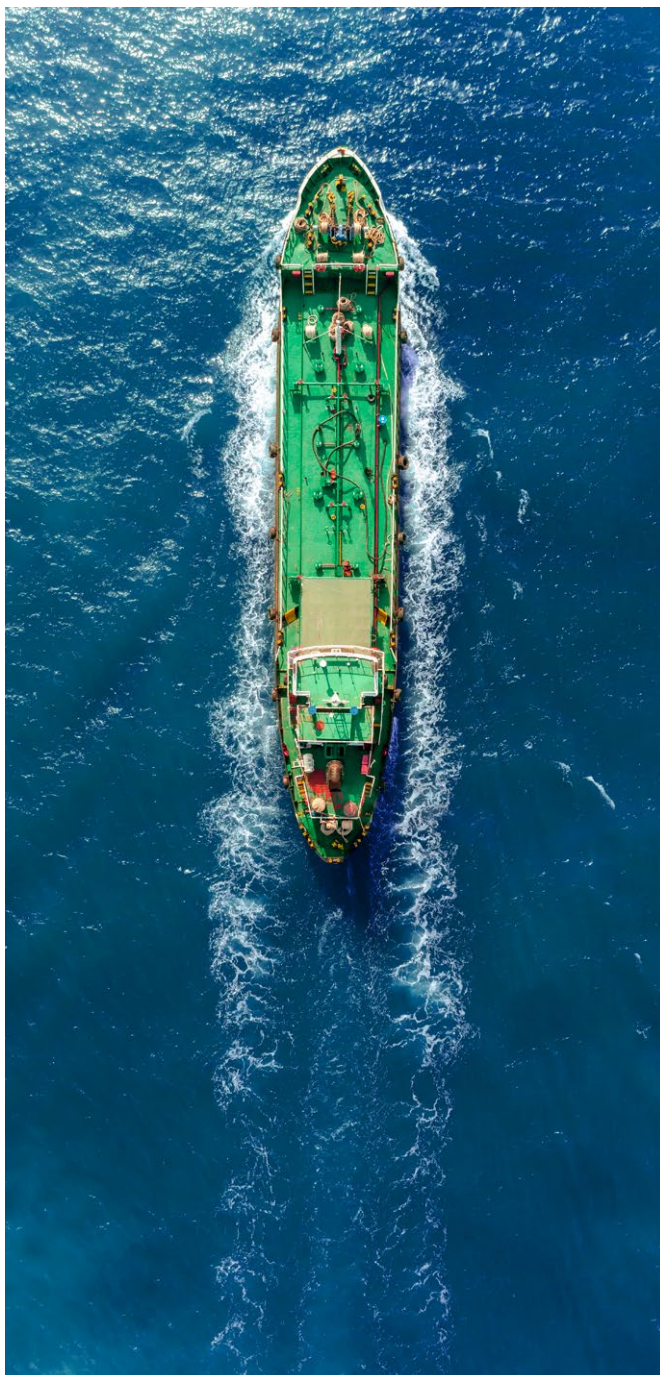
At service centres



On board



In dry dock



## Case story

# Simplifying compliance on the spot market

A tanker company is managing a fleet of vessels that are equipped with PureNOx Prime. The tankers operate on the spot market, and they must be sure that the sensors are calibrated whenever they enter a NOx Emission Control Area.

By using Alfa Laval's Sensor Exchange service for PureNOx, the vessels stay ready to visit any port on the dynamic spot market. When the time for calibration approaches, the vessels request exchange sensors that the crews can swap in without hassle. This lets the tankers maintain compliance in a cost-efficient way while focusing on their core operations.

### 24/7 Service & Support

With service centres, field service engineers and spare parts distribution worldwide, our Alfa Laval Marine Service network is always on the job for you. When you contact our 24/7 Service & Support, our service experts coordinate everything to solve your need – across oceans, continents and time zones.

Sensor Exchange for PureNOx



### Related services for PureBilge

- Onboard Performance Assessment

### Contact Alfa Laval

Tell us your needs, and our team will make it happen.

[www.alfalaval.com/contact-us/service-and-support](http://www.alfalaval.com/contact-us/service-and-support)

