The ‘Volstad’ was built in 2013 at Tersan Shipyard in Turkey and is over 75m long with a deadweight of 1500 tonnes.

The vessel has a complement of 18-20 crew and is typically away from port for up to six weeks; fishing and processing in the North Sea, Barents Sea and in and around Svalbard Island.

The Volstad is equipped with the latest automation technology and intelligent IoT sensors that allows suppliers of equipment, such as winches, freezers and unloaders, to provide applications to monitor and remotely maintain equipment.

It is also required to send regular catch reporting updates to shore-based teams.

**The connectivity challenge**

With a high level of automation, the vessel required a connectivity solution that allowed it to significantly increase data usage for operational use in a cost effective way, whilst providing the crew with high-speed internet access during the long voyages to ensure high retention rates.

**Volstad Case Study**

Based in Alesund on Norway’s west coast, Volstad was established as a fishing company in 1953 and supplies large quantities of fish, including cod, haddock and pollock, into the European market.

Decades of vessel operations in arctic waters have given Volstad the necessary experience to ensure the best technological and environmental solutions.

**The Volstad**

The ‘Volstad’ was built in 2013 at Tersan Shipyard in Turkey and is over 75m long with a deadweight of 1500 tonnes.

The vessel has a complement of 18-20 crew and is typically away from port for up to six weeks; fishing and processing in the North Sea, Barents Sea and in and around Svalbard Island.

The Volstad is equipped with the latest automation technology and intelligent IoT sensors that allows suppliers of equipment, such as winches, freezers and unloaders, to provide applications to monitor and remotely maintain equipment.

It is also required to send regular catch reporting updates to shore-based teams.

**Fleet Xpress solution**
**Continuous Connectivity**
- One provider and one global network, designed for seamless global mobility and automated satellite and beam switching
- Stay connected wherever you sail with the high-speed Global Xpress network with unlimited FleetBroadband back-up

**Guaranteed Performance**
- Service level agreements to guarantee network availability:
  - 99.9% network availability for Fleet Xpress
  - 95% Committed Information Rate

**Controlled Costs**
- Predictable costs all on one invoice for effective financial planning and controlling costs
- Selection of flexible plans to meet actual usage needs
- Voice is separated from the data bandwidth which will help you choose a plan best suited to your business needs
- Unlimited FleetBroadband back-up is included in all plans

**Fully Managed Service**
- Inmarsat owns and operates the entire network, to ensure seamless user experience and fully automated satellite and beam switching
- Standardised terminals and configurations to simplify implementation, usage, training and support
- 24/7/365 service management, monitoring and support
- Service assurance and system performance data is collected and analysed to maintain service uptime

**Business Applications**
- Fleet Xpress powers a revolutionary ecosystem of business applications to transform the future of shipping operations
- Real-time performance monitoring and condition based maintenance service to streamline vessel performance, save time, cost become greener
- Ensure safety, compliance and protect against cyber threats
- Enhance the wellbeing of your crew and raise morale with video calls, access to news, sports and social media

**The Volstad view**
*System installed: Fleet Xpress, using Intellian GX100 and Sailor FB500.*
*Bandwidth Package: 2Mbit download and 512kbit upload.*

“We were previously using Inmarsat’s Xpress Link but chose to upgrade to Ka and Fleet Xpress, mainly because we needed a solution that could meet our increasing bandwidth needs but would be reliable and allow us to control costs.

Fleet Xpress allows us to provide a higher level of crew connectivity that helps keep the crew happy and allows them to stay in touch with family and friends, as if they were home.

The seafood industry is becoming more and more automated and adopting IoT and application solutions, which means our suppliers such as Optimar are using sensors and software to monitor equipment, such as winch cranes, in real-time to avoid costly service repairs and visits.

Another advantage of Fleet Xpress is the unlimited integrated back-up of FleetBroadband, which provides a huge advantage when operating in these regions and allows us to remain completely connected. We have no issues with connectivity even in areas north to the 0° elevation contour in the Barents Sea.”

Jan Rogne, Technical Manager

**How to buy**
For further information please contact your local Inmarsat Maritime account manager or email maritime@inmarsat.com.

new.iot.research@inmarsat.com

While the information in this document has been prepared in good faith, no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability (howsoever arising) is or will be accepted by the Inmarsat group or any of its officers, employees or agents in relation to the adequacy, accuracy, completeness, reasonableness or fitness for purpose of the information in this document. All and any such responsibility and liability is expressly disclaimed and excluded to the maximum extent permitted by applicable law. INMARSAT is a trademark owned by the International Mobile Satellite Organisation, the Inmarsat logo is a trademark owned by Inmarsat (IP) Company Limited. Both trademarks are licensed to Inmarsat Global Limited. All other Inmarsat trade marks in this document are owned by Inmarsat Global Limited. © Inmarsat Global Limited 2018. All rights reserved. Fleet Xpress August 2018.