Data at the Network Edge.™

Case Studies

Shell Group

A ship's safety record delivered

Providing tankers and vessels with faster delivery of updated and important information

A major part of Shell's business is distribution of oil, gas and chemical products. iOra provides tankers and vessels faster delivery of updated and important information, vital to the continuity for the Group.

Background

The Shell International Trading and Shipping Company Limited (STASCO) manages the trading and shipping activities for all of Shell's products, operating a large fleet of tankers as well as chartering vessels. All ships must comply with rigorous safety standards ensuring they support Shell's commitment to protecting the environment.

The Challenge

In order to comply with the International Safety Code, Shell needs to deliver and manage a consistent, up-to-date Safety Management System to ships that may be at sea for many months at a time. Shell's Safety Management System is a set of critical documents outlining procedures to be followed to ensure safety during normal operation, maintenance and emergency situations.

Frequent and critical changes to these documents presents the challenge of ensuring that the latest information is in use at all times. It is vital for tanker employees to be able to access the relevant procedures quickly and easily to ensure safety of tanker operations, minimise liability to the company and protect the environment.

Project Summary

Market Sector
Energy

Client
Shell Group

Location
United Kingdom

Industry
Manufacturing – Petroleum, Chemical and Natural Gas

Profile
Fulfils global energy demands in economically and socially responsible ways

Key Drivers
Providing fleet of tankers with the latest safety procedures and regulations

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The Geo-Replicator® Solution

iOra's Geo-Replicator® solution enables remote and mobile users to access up-to-date business critical information - even when they are offline. With iOra's software, Shell is able to manage a complete and consistent set of safety documentation on board its remote fleet. The company can deliver up-to-date information quickly and efficiently simplifying the way in which Health and Safety information is used on board.

How Geo-Replicator® Works for Shell

Shell's safety documentation is maintained at its London office and published and delivered using iOra's software. This ensures an up-to-date copy of the safety information is held on board each vessel, which is regularly updated automatically. New information is compressed and encrypted using iOra's patented technology and the highly compressed and very small files are transmitted via satellite. Each time the documents are updated, Geo-Replicator® only sends amended information that has never been sent before. Once the small amendment file is created the iOra client on the ship's computer automatically applies it to the ship's files, ensuring that the most up-to-date documents are always available anywhere in the world.

Result

This solution is extremely efficient for Shell since new safety documents are typically updates of files already existing on the ship's computer. With iOra, Shell has the tools necessary to ensure that all its ships are able to adhere to the International Safety Management Code, maximising the safety of its tanker operations, limiting liability to the company and enabling compliance to international safety standards.

What the Client Says

"The Health and Safety information in our Safety Management System is critical for our tankers, but providing timely updates to tankers around the world's oceans have presented logistical problems. iOra's solution is designed to allow us to deliver updated information quickly and efficiently.
Jim Cripps, Shell

Geo-Replicator® Benefits

Gain faster access to up-to-date SharePoint content in remote areas of the world 24/7. The results are a dramatic reduction in the cost of data transmission, easier access to decision making information and, because knowledge is kept accessible and searchable for all users, improved organisational agility and responsiveness.