CASE STUDY | PORT

Freeport of Riga, Latvia

Largest port in the Baltics

36 mln tonnes of cargo handled every year

25% chemicals and oil products

PROBLEM

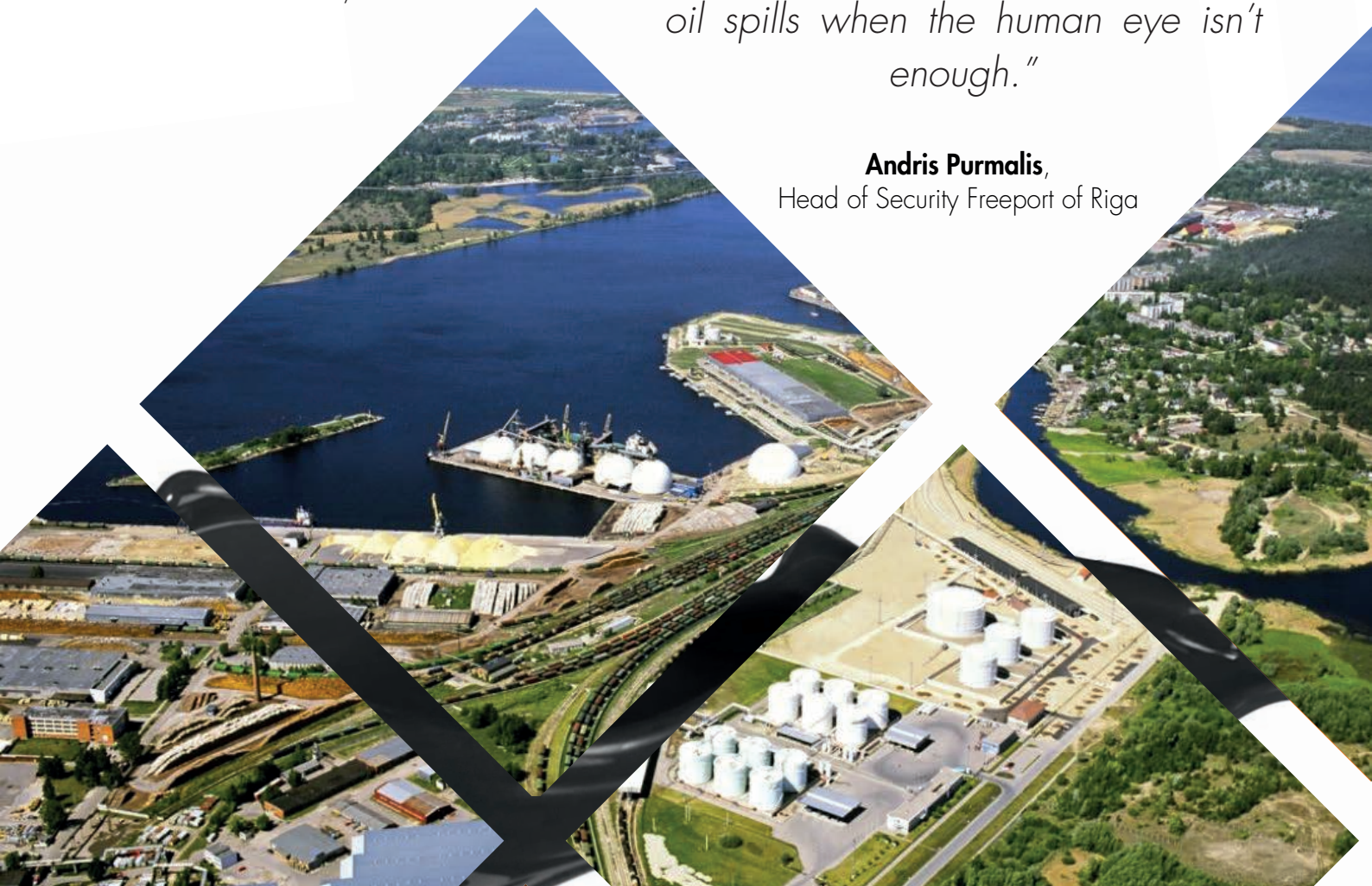
Freeport of Riga is located on the Daugava River in the heart of the capital of Latvia. As a result of its geography all oil spills regardless of size cause real damage to the city of Riga if not caught early and dealt with effectively.

They have tried other solutions for tackling oil spills early in the past, but were not satisfied with the performance of these system as the rate of false alarms was unacceptably high.

Providing safe and reliable services, as well as being socially and environmentally responsible is of utmost importance to the Freeport of Riga, which led them to install the ROW oil detection system.

"We use seven ROW sensors in order to discipline tanker crews against unauthorized fuel discharge & for real-time monitoring of our environmental situation. Installed on both sides of the river, they watch for oil spills when the human eye isn't enough."

Andris Purmalis,
Head of Security Freeport of Riga



FIRST INSTALATION DECEMBER 2012

SYSTEM OF 7 UNITS ROW O-2200A

WIRED COMMUNICATION RS 485

SYSTEM EMBEDDED INTO EXISTING MONITORING SOFTWARE

43 OIL SPILLS REPORTED IN 1st YEAR

SOLUTION

In 2012 the Port Police Internal Security Port Control Unit at the port implemented the ROW system for early oil spill detection. Network of ROW oil spill sensors provide immediate notifications on spill-related information.

Once the Port Police Internal Security Port Control Unit inspectors receive an alert on their mobile phone, the alarm site is inspected to verify the existence of pollution. When the presence of pollution is confirmed, appropriate sequence of actions will be initiated.

The ROW system has increased the detection, registration and tracking of oil-related incidents at the Freeport of Riga and has vastly reduced the rate of false alarms compared with the previous solution.

ROW system has been operational in all weather and through all seasons, including winter ice conditions.