



## Ensuring safety and protection on the high seas

Improve safety – Create Innovation – Deliver Value for Money

Ensuring high-value goods, equipment and people are safe and secure is difficult at the best of times. But when they are scattered across the globe and face harsh mid-ocean weather conditions the challenge is much harder. Such was the problem facing Goldenport and Oceangold, two Greek sister companies operating in the international shipping industry. Goldenport operates a fleet of bulk carrier and container vessels and provides a range of services covering every aspect of ship management. This includes global shipping services for charterers and innovative solutions for transporting cargo. Oceangold has a fleet of 16 oil and chemical tankers, and its services include vessel chartering, and operational, technical and crew management. The group also includes Golden Yachts, a luxury bespoke yacht builder.

### Risks & Challenges

Goldenport and Oceangold operate a combined fleet of 39 vessels which must meet the industry's high standards for quality and safety. The companies need to adhere to rigorous maritime rules and regulations especially in regions such as the US where fleet trading and operation rules are particularly strict. Experience and skilled staff already ensured high levels of service quality and protection were being maintained. But the two companies wanted to go further and enhance their reputation and meet their ambition to be one of the leaders in shipping management services.

Goldenport and Oceangold vessels make long-distant ocean journeys transporting valuable raw materials, finished and semi-finished goods, crude oil, petroleum products and edible oils, and they have a duty of care to their clients and partners to provide the highest levels of protection. The companies wanted to use video technology to enhance security and safety. But the vessels operate in some of the harshest and inhospitable environments in the world traveling day or night in stormy weather, and dusty and humid conditions. The provider chosen would have to be able to develop a strong, resilient, and mobile system capable of withstanding the unique demands of sea transport.

### Key Data

#### Sector

Shipping

#### Customer

Goldenport and Oceangold

#### Partner

In2Solution

#### Timeframe

2023

#### Solutions

15x c26

12x M73

22x S74

12x M26

VMS Management Center

Synology NAS Server

6x GPS devices

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The vision for Goldenport and Oceangold is to be leaders in global shipping management.

Part of achieving that is partnering with suppliers like MOBOTIX and In2Solution and deploying their efficient and cost-effective video technology. Their solution has enabled us to deliver secure, controlled and well-managed services to our customers.

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*Ioannis Agelis, ICT Manager,  
Goldenport & Oceangold*



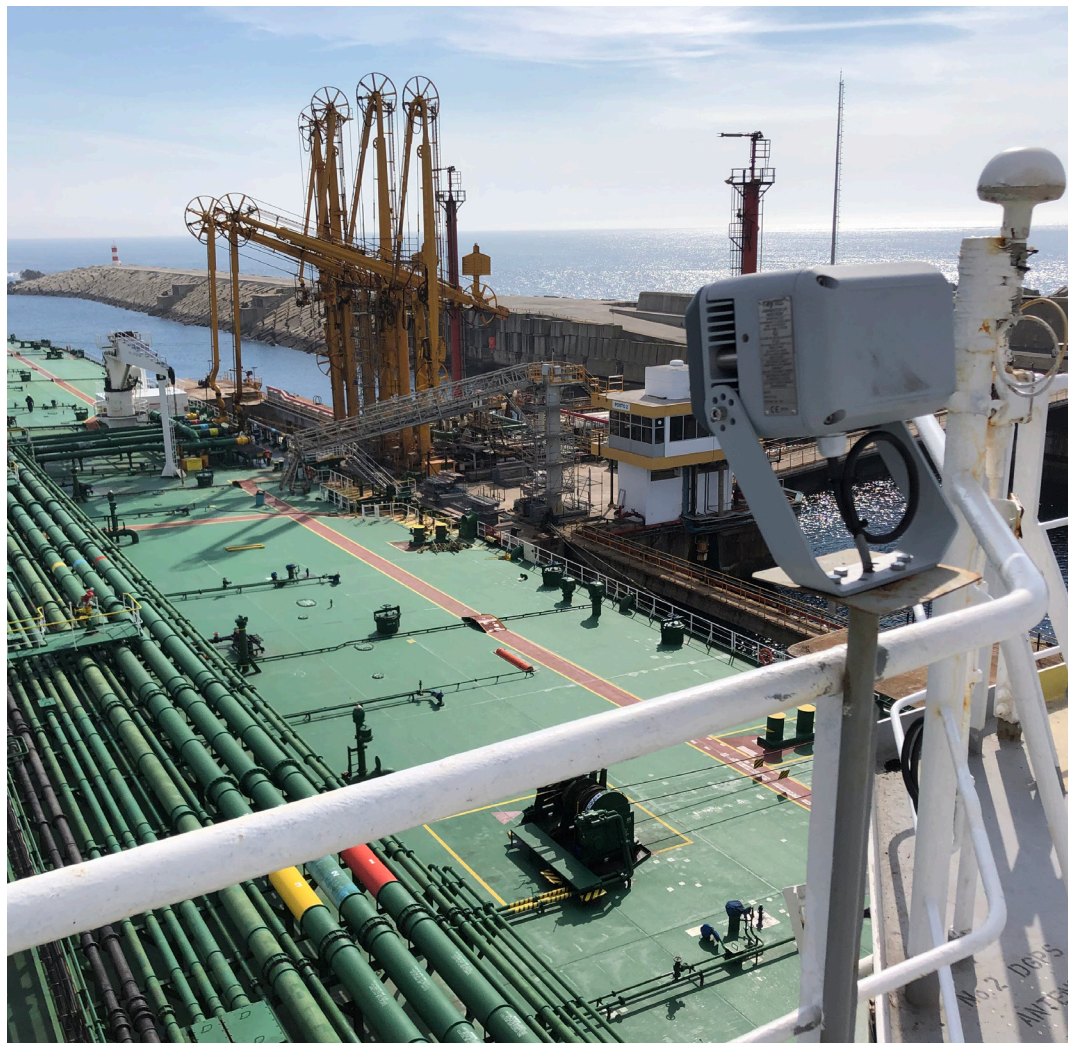
## Solutions & Benefits

Goldenport and Oceangold decided to work with MOBOTIX and its Greek business partner In2Solution because both companies understood the unique demands of the project. This meant designing and installing a video system on each vessel that could operate automatically in extreme weather and environment conditions and still deliver clear, high-quality images. So far, the solution has included 61 MOBOTIX cameras offering hemispheric, thermal imaging and all-round outdoor capabilities connected to six GPS units and Synology NAS storage. The system is managed and controlled via the MOBOTIX VMS Management Center. The customized solution, which will be rolled out over the next two years to the whole fleet including the luxury yachts, has been developed and implemented jointly by Goldenport and Oceangold, MOBOTIX and In2Solution.

“Goldenport and Oceangold chose MOBOTIX and In2Solution because they have proved to be trusted and highly experience

partners who have provided us with an exceptional, reliable and customizable security solution,” says Ioannis Agelis, ICT Manager, Goldenport & Oceangold. The company was also impressed by the ‘made in Germany’ quality and endurance capability of the MOBOTIX cameras. This is critical because the cameras must function in all-weather conditions out at sea. MOBOTIX reliability is also important in minimizing maintenance and part replacement which is difficult when cameras are on ships in the middle of the ocean for several weeks.

MOBOTIX cameras are located at various points onboard a vessel such as on and inside the bridge, in entrances, and cargo and engine control rooms. One of the main challenges was monitoring deck-mounted exhaust manifolds at distance in low light. MOBOTIX cameras with infrared technology and high-quality images ensure the manifolds are clearly visible from the bridge at night.





Goldenport and Oceangold praised the quality and innovation of the solution that In2Solution delivered. For instance, some cameras were installed behind a windscreen with wipers which reduces costs, is compliant with shipping regulations and ensures a clear view in rough weather. MOBOTIX cameras are ideal for this because glass reflections do not impair the video image. MOBOTIX video technology is particularly good at capturing highly detailed and full-color images in low light and at night. Using the GPS units means Goldenport and Oceangold can monitor and manage the entire fleet in real time, across all time zones. GPS also complements the video footage with additional security information such as precise location coordinates.

## Summary

Goldenport and Oceangold have partnered with MOBOTIX and In2Solution to develop a smart video surveillance system for their ocean-going vessels. It ensures high-value cargo is transported and delivered safely and efficiently across the globe. It is also a key part of the companies' strategic ambition to become leaders in the global shipping management sector. Innovative ideas from MOBOTIX and In2Solution to this complex and challenging installation ensured that Goldenport and Oceangold got a high-quality, high-performance, but also value-for-money solution.

