A rescue out at sea with the Electro-Optical System
Safran offers electro-optical systems Euroflir™410 for use on helicopters, fixed-wing aircraft and UAVs. Thanks to their advanced technology, these systems are deployed by several French naval air stations, especially at Lanvéoc-Poulmic, not far from Brest in Brittany.

High-tech surveillance
A quick, effective rescue
A storm is brewing...
Alive!

Dark night, low ceiling, raging sea
Euroflir 410 in action!

Today, it's a real emergency: they need to rescue a ship in distress.

Continuous zoom function in the electro-optical system, a

Several kilometers away, the Euroflir 410 electro-optical system is used to detect a human form. The latest-generation helicopter, the NH90 Caïman Marine model, was received about 20 minutes ago, from the owner of a sailboat that lost its mast in the Chenal du Four, a channel off the western tip of Brittany, between Le Conquet and Béniguet Island.

Mounted on the helicopter's nose, under the cockpit, the electro-optical system is used to observe and detect movements at sea or on the ground, under any weather conditions. For example, it can detect a shipwreck survivor at a range of several kilometers away from the target, he can clearly see a person holding onto the boat's overturned hull. He quickly takes a

Loïc is part of the French navy's air-sea search & rescue (SAR) team. More specifically, he's the sensor operator, an electronics specialist in charge of the sensors on aircraft deployed by the French navy.

Assigned to the navy's dedicated SAR helicopters, he coordinates the different sensors from a central console in the cabin. He's also in charge of hoisting operations during air-sea rescue missions.

"I've got a hot spot in sector 182, range five nautical miles!"

Loïc used the hot spot detection function in the system, enabling him to detect a human form. But he has to make sure that it's the guy they're looking for. So he activates the

Sensor operator, an electronics specialist in charge of the sensors on aircraft deployed by the French navy.

Given the weather conditions, the infrared waveband is the best choice. And this "close-up" removes any doubt. Although... kilometers away from the target, he can clearly see a person holding onto the boat's overturned hull. He quickly takes a

Video Background

Safran is an international high-technology group and tier-1 supplier of systems and equipment in the Aerospace and Defense sectors, including helicopters, engines and satellite systems. Safran is listed on the Euronext Paris stock exchange, and its share is part of the CAC 40 and Euro Stoxx 50 indices.

@Safran