A rescue out at sea with the Electro-Optical System
Alive!

Euroflir 410 in action!

A storm is brewing... A quick, effective rescue

Dark night, low ceiling, raging sea

High-tech surveillance

movements at sea or on the ground, under any weather conditions. For example, it can detect a shipwreck survivor at a range of

The helicopter is now flying over endless waves, and the tension inside is at a peak. The last position sent by the ... drifted a number of kilometers already. After about 20 minutes, with the helicopter flying at over 140 knots (161 mph),

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and guides the pilot so they can cover the search zone most effectively. Hunched over his console, he first decides to

in the infrared band, used to magnify a specific point.

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

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Spotter

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

several kilometers

Euroflir 410 electro-optical system

, even in the dead of night and during a storm.

> Crédits

from where the last radio call was received. This

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Despite the gusting wind, the Caïman Marine hovers over the hull. The rescue swimmer is winched down, and quickly buckles... its effectiveness under weather conditions that, in the past, would have made such a happy ending much less likely!

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hoisting operations during air-sea rescue missions

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. 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

scan the zone

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

A distress call

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Furthermore, not only is the sailor's radio not answering, but no distress beacon has been activated.

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). But since the emergency call, they have lost radio contact! The mast falling could have caused a leak, and the ship risks... attempt by one of the lifeboats deployed by the Le Conquet branch of the national maritime rescue organization SNSM (Société Nationale de Sauvetage en Mer)

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Société Nationale de Sauvetage en Mer

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Loïc is eating dinner with fellow crew members on call when his cell phone starts ringing. He jumps up as soon as he hears the special ring tone he chose for calls from his helicopter squadron 33F.

Yann, Gwendal and Adrien also jump into their car to join the squadron. Yann is the pilot, and Gwendal the co-pilot, also... in the helicopter, he's the one who chooses which sensors should be used. Adrien is the rescue swimmer for this mission.

Just a few minutes later, the operator suddenly cries out,

Given the weather conditions, the infrared waveband is the best choice. And this "close-up" removes any doubt. Although ...

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Once he arrives at the squadron's base, Loïc gets a quick rundown on the situation from one of the staff members at the regional monitoring and rescue center, while his fellow crew members get the helicopter ready.

They're flying a

"hot spots"

°C

°C

°C

Above the ocean surface.

Video Background

operation is automated

Safran

is an international high-technology group and tier-1 supplier of systems and equipment in the Aerospace and Defense... SARs. Thanks...