Best Overview Even in Poor Light
Zoilo Ríos relies on quality and convenience from MOBOTIX and Vaxtor

The Zoilo Ríos Group from the northern Spanish region of Aragon was founded in 1927. Today, the company is an integrated energy and ancillary services provider with more than 150 employees and operates 19 gas stations, among others. The company has achieved sustainable growth with the continuous expansion of new facilities and innovative products and services in various business areas.

Zoilo Ríos wants to contribute to the energy transition and climate change mitigation, which is why environmental, economic, and social sustainability plays a significant role in the Group.

The challenge - twilight and darkness

Incidents repeatedly occur at gas stations, and identifying vehicle license plates plays a key role in solving them. Zoilo Ríos needed an effective solution to reliably recognize and store the license plates of customers filling up at gas stations. The analog monitoring systems used to date provided inadequate and inaccurate images, especially in poor lighting conditions, and only allowed patchy identification.

One of the essential requirements was to clearly and reliably identify both license plates and vehicles a day and night and in all visibility conditions (e.g., backlighting), and also to record the time of refueling.

The solution - ultra-visibility and all-round app

Thanks to the recommendation of a well-known parking garage operator, Grupo Zoilo Ríos was already using MOBOTIX cameras to monitor some of its truck parking spaces. Following this positive experience, MOBOTIX was selected as the central supplier for expanding the security system.

Key Data

Industry
Energy

Client
Zoilo Rios

Timeframe
2022

Solutions
S74 (Ultra LowLight)

Vaxtor Make Model Color Recognition App

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> *Ignacio Ríos Torre,*
> *Technical Director at Zoilo Ríos*

MOBOTIX
BeyondHumanVision

"We knew that MOBOTIX cameras are more demanding in price than devices from low-cost manufacturers. However, it pays off to rely exclusively on top quality. This is the only way to achieve the results we want," says Ignacio Ríos Torre, Technical Director at Zoilo Ríos.

The MOBOTIX S74 was tailor-made for the requirements of the service station operators. The MOBOTIX video solution scored points with its flexibility and versatility. Four high-end mobile modules detached from the camera housing work together with the concealed housing with maximum discretion. In addition, the S74 camera features outstanding image quality. The S74 features four Ultra-LowLight modules for best visibility, providing clear images even in a low and unfavorable light. Since the video system is integrated into the open MOBOTIX 7 platform, it was possible to use the Vaxtor Make Model Color app, which provides a complete all-around package. For example, the application recognizes the license plate, type, make, and color of the vehicles. This is the best way to support the investigation of gasoline theft. In addition, previously conspicuous cars can be quickly identified via permit and ban lists.

The solution has been installed at service stations with a high volume of customers. At the El Cisne gas station, all eight lanes are monitored using a system of four S74 cameras mounted in the column in front of each pump. The installation of the MOBOTIX cameras took only two days.

Conclusion - Clear recommendation - the system is worthwhile

In the meantime, 50 cameras have already been installed at the Group's various gas stations. A few cameras can cover a large area and provide reliable data around the clock, even at dusk or in low-light conditions. "We appreciate the great flexibility of the camera's built-in apps and the excellent image quality of the camera recordings. We can highly recommend this MOBOTIX solution to our colleagues in the industry," adds Rios Torre.

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