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Smoothing the Flow of Freeway Traffic

Energy Efficient — Weather Resistant — Maintenance Free

IBOMADE was founded in 2019 and is a rapidly growing company in the field of traffic management. The business focuses on digital information boards for traffic monitoring, diversion signs and traffic jam warning systems. The mobile systems employ the latest LED technology in combination with reliable radar and sensor technology to enable accurate traffic jam detection. They are important tools for ensuring road safety on freeways and expressways.

Challenge — Install Once, Work Forever

High-quality traffic data is collected and transmitted quickly since to very high standards in a very short amount of time. The accuracy and speed of the mobile LED traffic jam warning systems helps to means they are able to significantly increase road safety.

But maintenance work on the cameras or traffic jam warning signs (such as changing the batteries) needs to be avoided as it requires lane closures parts of the freeway to be closed (individual lanes), which can cause traffic jams and even accidents. These closures are also costly. Costs are incurred with every closure too. Lastly, and, perhaps mostly importantly, working on the freeway is always risky and dangerous for the technicians involved. Construction sites and areas like such as the ends of a traffic jams are particularly prone to accidents. This means that, in an ideal scenario, the ideally, these types of systems and cameras need to function should be able to work for many years and only need with the help of remote maintenance once they have been installed.

Solutions and Benefits — Energy Saving and Maintenance Free

IBOMADE was already familiar with MOBOTIX from building surveillance and has always been impressed with the quality and reliability of the robust MOBOTIX video technology. It was these qualities—together with the functionality and flexibility of the video systems' functionality, flexibility and extreme high and low temperature high weather resistance even at high and very low temperatures—that led IBOMADE to choose MOBOTIX. Importantly, MOBOTIX cameras meet high road-operator standards since they require minimal onsite maintenance as the ability to rely on not having to perform maintenance meets the high requirements of road operators too.

IBOMADE uses MOBOTIX M16 and M26 cameras for monitoring traffic, monitoring construction sites and carrying out remote maintenance. IBOMADE often requires image data to be incorporated into regional traffic monitoring centers as well. Each MOBOTIX camera can The available settings allow the cameras to be set up and customized easily depending on its location and function. and individually parameterized to meet all requirements. For data protection reasons, road traffic is monitored exclusively using VGA thermal lenses, which cannot detect license plates numbers. However, the cameras can provide a much higher resolution if required.

The energy-saving MOBOTIX cameras are connected to the system via Power over Ethernet (POE) PoE and conserve battery power. They fit seamlessly into the energy-efficient mobile systems which use photovoltaic technology and state-of-the-art LEDs. conserve the mobile systems' battery and fit seamlessly into the energy-efficient overall concept, which is operated using technology such as photovoltaic systems and state-of-the-art LEDs.

Conclusion — Great Potential Through Intelligent Video Analysis

The company has had such a positive experience with Because the reliable, weather-resistant MOBOTIX Mx6-series systems have been so successful, IBOMADE that it is now looking at how the MOBOTIX 7 generation of products can be used with its intelligent video analysis. This will include functions such as to counting traffic, determining traffic density and or detecting vehicles driving in the wrong direction.

Key Data

Sector

Traffic & Transportation IBOMADE

Customer

Transport authorities, federal states, local governments

Partner

IBOMADE Technik

Time frame

2019

Products

M26 cameras
M16 (with day and night lenses)



The MOBOTIX video systems are highly reliable, weatherproof and durable. They meet the high demands that we place on our traffic monitoring system and can withstand the harsh environment of the motorway freeways and construction sites over the long-term.



Adem Bogocli, Managing Director, IBOMADE

