

## Drivers and Management Working Together for a Safer Fleet

### Challenge

Formosa Plastics Group (FPG) was concerned with keeping their drivers and others safe while transporting hazardous materials. At the same time, they needed a solution compatible with their current fleet management system.

### Solution

After conducting a nine-month trial, FPG installed Mobileye's collision avoidance system on 300 vehicles.

### Outcome

While the roll-out program is just beginning, drivers have expressed great satisfaction with Mobileye's collision avoidance system.



### Client

Formosa Plastics Group (FPG),  
Taiwan

### Industry

Petroleum, Petrochemicals  
and other materials

*Any collision can cause huge damage to the company and society. Through ADAS technology, a possible collision can be avoided effectively. The alert information can be sent to the fleet management system and provide a very useful tool to manage the fleet."*

**-Nick Wu Associate VP at FPG Transport Corp**



FPG is one of Taiwan's largest corporations, working mostly with petroleum and petrochemicals. Transporting these hazardous materials, in vehicles that are over 35t, means the company feels an added responsibility to ensure the safety of its vehicles and drivers – any collision has the potential to cause significant damage to both lives and the environment.

In 2017, Taiwan recorded approximately 137 collisions<sup>1</sup> for every 10,000 vehicles according to the Ministry of Transportation and Communications.

Installing a collision avoidance system seemed like the perfect way to add an extra layer of safety for a fleet loaded with hazardous material. However, FPG already had a fleet management system so they needed a system that would integrate with their existing operation. Fortunately, Mobileye's collision avoidance system seamlessly integrates into most fleet management and telematics systems.

This integration allows data to be easily exported to a third-party telematics or fleet management systems, providing fleet managers the data necessary to analyze driver behavior and provide real-time insight into their employees drive.

After discussions with Mobileye, FPG decided to install the Mobileye 6 series as a pilot project. Following a 9-month trial period with only a few vehicles in FPG's fleet, **the company and its drivers were so satisfied they decided to expand and install Mobileye 6 on 300 of their vehicles.** Mr Wu said "during the trial period Mobileye 6 demonstrated itself as a highly accurate and reliable device for collision avoidance".

It is easy for drivers to become distracted or doze off during a long shift. FPG was particularly impressed with the real-time safety features that assisted their drivers in maintaining focus on their task.

**Real-time safety features include:**



**Forward Collision Warning**  
Warns of imminent collision with a vehicle ahead.



**Pedestrian & Cyclist Collision Warning**  
Warns of imminent collision with a pedestrian or cyclist ahead.



**Lane Departure Warning**  
Warns of unsignaled deviation from the driving lane.



**Headway Monitoring & Warning**  
Warns if the distance from the vehicle ahead becomes unsafe.

In addition, fleet managers were provided with a wealth of information by integrating Mobileye with their existing telematics system. Information such as, which drivers were following other vehicles too closely, which were narrowly avoiding collisions and where these incidents took place, indicating problematic zones on their routes that perhaps should be avoided.

FPG drivers appreciated company efforts to ensure their safety. According to Nick Wu, associate VP at FPG Transport Corp, "[The drivers' reactions] are very positive, they understand it's there to protect their lives."

<sup>1</sup> <http://stat.motc.gov.tw/mocdb/stmain.jsp?sys=100&funid=e3303>

## Goals



Ensure hazardous materials are transported with the utmost safety available.



Protect drivers and the environment with a collision avoidance system.



Easy and efficient integration with FPG's existing fleet management system.



*"Mobileye is the eye of an angel, always guarding the drivers' safety."*

**- Nick Wu, Associate VP at FPG Transport Corp**

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