GALFAR ENGINEERING & CONTRACTING SAOG

"THE WILL TO LEAD; A PASSION TO EXCEL!"

DRIVER SAFETY MANAGEMENT MADE EFFECTIVE USING TRACER IVMS

Galfar Engineering & Contracting SAOG (Galfar) is Oman's largest construction company with EPC capability in Oil & Gas, Roads & Bridges and Civil & Utilities sectors operating in Oman, other GCC countries as well as India. With more than 22,000 well-motivated multi-national workforce and 6,000 owned and leased vehicles to be driven, it is no wonder, Galfar always has the highest concern for safety. This is evidenced by securing some of the best records for Safety in its operations, having won several awards from government organizations, clients and the Sword of Honour from the British Safety Council.

It can be established that among the top safety risks at Galfar. those associated with driving motor vehicles ranks highest. Based upon the last three years of available data, NIOSH reported that over 50% of oil and gas work-related fatalities resulted from motor vehicle incidents.

The oil and gas industry has witnessed a significant improvement in jobsite safety over the last two decades. This culture change started with the recognition that jobsite incidents are predictable, preventable, and therefore unacceptable. As a result, we implemented in-vehicle monitoring systems (IVMS) across networks to monitor and manage driver behavior, particularly at high-risk locations and long-distance routes (typically on their own). IVMS have been deployed in vehicles across all associated regions.

Since these IVMS enable us to monitor and control driver behavior linked to harsh accelerating and breaking, speeding, driving without enough rest or regular breaks, revving the cold engine, and idling the motor when the car is parked, our affiliates have begun to recognize how an IVMS implementation potentially improves driver behavior and safety. IVMS implementation has also lead to decreased fuel consumption, as well as the generalized wear and tear on a vehicle.

IVMS continue to deliver on numerous business benefits in addition to addressing performance parameters in road safety. To give a glimpse statistically and qualitatively,

- Savings on the costs incurred due to fuel consumption measured at 20%.
- 49% plus reduction in motor vehicle accident frequency and severity
- Reduction in the cost of Vehicle repairs that are usually a consequence of poor driving behaviors.

Implementing IVMS in the fleet resulted in downward trends in:

- Vehicle breakdowns.
- Minor problems like cracks, fluid leaks, and excessive wear and tear due to friction.
- Replacements and emergency repairs, which are far more expensive.

❖ Reduction on the insurance premiums coupled with improved driver safety, performance, and vehicle condition / life.
❖ Greater savings realized as they refined their approach, focusing on feedback and recognition of desired driving behaviors.
❖ IVMS used as project management tool to analyze the activities of each equipment and optimize the resources.

IVMS continue to be leveraged to demonstrate compliance with high standards of professional conduct. For example, by providing a way to track a vehicle's position in real-time, it allows us to be always aware of the location of the driver/inspector. We can monitor fuel usage and compliance with company policy on the use of fuel cards, further driving down costs and improving overall efficiency.

IVMS also enhances data-reporting and helps managing the exposure to risk. IVMS is used to calculate the number of kilometers driven per vehicle per country per month, to establish a uniform motor vehicle incident rate (the number of incidents per 1 million kilometers driven) for the company. A far more accurate process of identifying and managing locations with higher risks of traffic incidents is hence made possible.