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Efficient and clean in the long term: Retrofitting ensures longer service times for the KAMAG IHT

South Korean transport and logistics service provider, Poslogitec, has one of the first KAMAG industrial lift transporters (IHT) to be modernized. Thanks to the new, state-of-the-art drive unit, the special vehicle not only efficiently operates with low emissions and low noise but is also significantly more economical. The supply of spare parts has likewise been secured for many years to come. Poslogitec, a partner transport company of the steel producer, POSCO, has been using industrial vehicles from TII KAMAG since the late 1990s. Many of these are still in use today due to their high durability and reliability.

The South Korean transport and logistics service provider, Poslogitec, has been purchasing KAMAG industrial lift transporters (IHT) since the late 1990s. Since then, the vehicles from TII KAMAG, the TII Group specialist for in-plant transportation, have proved their extraordinary qualities time and time again. In the port of the Kwangyang steelworks which is owned by POSCO (Pohang Iron and Steel Company), one of the largest steel producers in the world, Poslogitec vehicles are in use 24/7 and primarily transport steel sheet rolls. "The fact that we have been using KAMAG industrial transporters for so long proves that they are extremely durable and can be used economically and efficiently in the long term," explained Jung-Ju Choi, head of the Poslogitec maintenance team. "Before purchasing the first units, we compared vehicles from different manufacturers and chose the TII KAMAG models in particular because of their robustness," he said.

Retrofitting expands the range of functions, efficiency and sustainability while securing the supply of spare parts

The number of KAMAG IHTs operating in the port of the Kwangyang steelworks has now increased to around 70. After a long period of use, more than four decades in some cases, it made sense to bring the tried and tested IHTs up to the current state-of-the-art standard. Adaptation to accommodate new transport tasks, functional enhancements, performance optimization and the best possible environmental compatibility speak heavily in favor of modernization or retrofitting carried out by the specialists at TII KAMAG. In the process, the industry expert uses only the most modern components from its portfolio which gives these valuable vehicles an extended service life whereby the supply of spare parts is also guaranteed.

TII KAMAG provides training for technical experts from the regional sales and service partners

The oldest KAMAG IHTs in the Poslogitec fleet, for example, still have air-cooled engines which are replaced by Stage V PowerPacks (PPU) with modern exhaust after-treatment systems. Now, the first IHT - a

model with five axle lines, 110-ton payload capacity and an underfloor cabin - has undergone a comprehensive modernization makeover. The retrofit was carried out by KAMAG-trained experts from the South Korean KAMAG sales and service partner, KILWOO. The Korean importer has been working with the industry experts from the TII Group, TII KAMAG and TII SCHEUERLE, for more than 20 years. In addition to KAMAG industrial vehicles such as the IHT and SPC (Slag Pot Carrier), the program also includes SHT (Ship Yard Transporter) and SPMT modules from TII SCHEUERLE.

The retrofit included the welding on of a new rear end with space for an exhaust gas after-treatment unit and replacing the existing engine with a new PPU complete with a modern status display. TII KAMAG had previously pre-assembled and tested the PowerPack (PPU) consisting of the engine, pump assembly, cooling unit and tanks. KILWOO also installed the engine's electrical system and repainted the IHT.

New PPU significantly reduces pollutant and noise emissions

The time and effort were worth it. Service expert Jung-Ju Choi is very satisfied with the results: "The new drive unit reduced noise and pollutant emissions. This not only protects the environment but also reduces stress levels for the operators," he explained. His service technicians are particularly impressed with the new display which makes any diagnostic analysis of the drive unit considerably easier to carry out.

Poslogitec has already been able to determine one important aspect: Fuel consumption has fallen by around 30 percent which, at the same time, significantly improves the environmental and economic balance of the KAMAG IHT. The head of Poslogitec's maintenance team praised the durability and safe operation of the industrial lift transporter as well as the low maintenance costs when compared to similar products from other brands.

Poslogitec values fast service and high availability of spare parts

Jung-Ju Choi is also very impressed by the professional and fast service provided by TII KAMAG and its contract partner KILWOO. The technicians of the TII Group's Korean partner usually carry out repairs and maintenance directly at the customer's site. However, very complex work such as retrofitting is carried out in their own workshops near Dangjin, a city on the west coast of South Korea in the Chungcheongnam-do province. In addition, KILWOO maintains its own components warehouse thus ensuring high and fast availability of spare parts. "It is a big advantage that KAMAG can train KILWOO's technicians. This is not the case for all service companies in this segment," stated Jung-Ju Choi. The transport and logistics specialist's verdict carries a lot of weight. After all, the company operates many of the 70 units in the steelworks most of which have payloads of 110 and 150 tons.

Retrofit offer applies to virtually all KAMAG industrial vehicles

TII KAMAG's retrofit offer applies to almost all of its own types of vehicles. In addition to functional and sustainability upgrades, it is also used after accidents; for example, repairing fire damage. Before the actual retrofitting takes place, experts from TII KAMAG inspect the vehicle on site in order to estimate the time and effort involved. Exactly where the vehicle is modernized depends on the customer's options as well as transport budgets.

Photos



The first IHT at Poslogitiec underwent a complete modernization



Sales and service partner KILWOO was responsible for the retrofit activities.

Company profile

The TII Group, a company owned by the Heilbronn-based Otto Rettenmaier family, is a globally active manufacturer of heavy-duty and special vehicles and has a workforce of around 900 employees. The Group includes industry specialists, TII SCHEUERLE and TII KAMAG, and has production sites in Germany and India along with a worldwide organization of sales and service partners. With innovative vehicles for maneuvering and transportation operations, the TII Group, which is listed in the index of world market leaders, supports its customers in the transport and logistics sectors, building industry, plant engineering, air and space travel, shipbuilding, energy, steel and mining as well as yard logistics for realizing a wide range of complex transport tasks. TII Group vehicles hold the current world record of 23,000 tons for vehicle-related transport of exceptionally heavy loads. TII stands for the tradition of innovation, customer orientation and partnership as well as for high product quality and sustainability in heavy-duty mobility.

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