



## Case Study: Fully automatic cleaning of pool bottoms.

Professional cleaning of swimming pool bottoms makes an important contribution to water quality and hygiene in public and private indoor and outdoor pools, as well as adventure sports facilities. The smart cleaning robots made by Mariner 3S not only ensure that swimming pools look clean, but also avoid the use of additional chemicals. By providing reliable logistics support when pools need to be cleaned, GO! Express & Logistics is enabling the Swiss specialist to keep its quality promise.

The appliances clean pool bottoms reliably and fully automatically – lane by lane. State-of-the-art electronics and high-end compass technology even enable these compact units to safely skirt around any obstacles, such as mushroom fountains, without attached cables coiling up. Sensors detect pool edges and built-in pits and guide the robot safely through each swimming pool, irrespective of pool type or shape, without any additional programming effort required.

The built-in sensor technology reliably logs times, paths, gradients, edges and condenses these many parameters into just two cleaning programmes. The travel pattern options available ensure end-to-end cleaning of the swimming pool bottom. One useful feature is the programmable start time function. This enables the robot to be placed in the pool when the swimming pool closes, but to start operating, for example, three hours later. That's when any dirt in the pool has settled on the bottom.

## The robots' longevity appeals

The Swiss company has been developing cleaning equipment for underwater use worldwide for 50 years. Several patented designs guarantee the longevity of the appliances. Thus, for example, grey water is initially conducted through a filter and then into a pump. This protects pumps against blockage and damage. "Our appliances are used every day in heavy-duty conditions. That is why we focus on longevity during our design and development process-

es. The same applies to handling by pool staff. Everything is always based on the premise of 'how can the machine make life easier for the human being?', explains Michael Schmidt, CEO of Mariner 3S Deutschland. The automatic surfacing mechanism, the removable filter in the filter box or even the radio remote control system are just some examples of this design and development approach.

## No downtimes thanks to quick service

These pool cleaners enable swimming pools to operate without interruption, as they are deployed at night. Yet where malfunctions do occur, GO! has been delivering spare parts for more than ten years and in worst-case scenarios has delivered the odd loan unit to any desired address in Germany or in neighbouring countries. Flexibility as well as reliability play an

important role. "Our appliances are often heavy and bulky, so we really appreciate the fact that GO! is willingly prepared to meet any challenge, and always manages to deliver every consignment on time", Michael Schmidt continues. Mariner 3S continues to grow – supported by the logistics partner GO!



## About Mariner 3S

Mariner 3S AG designs, builds and sells cleaning robots as used for professional pool bottom cleaning purposes in indoor, outdoor and natural swimming pools. The company thus really helps its clients to keep swimming pools reliably clean and therefore maintain their appeal over the long term. In 1970 the Swiss family business, which was founded in 1945, was one of the first companies to focus on designing and selling automatic swimming pool bottom cleaners. The constant search for improvements, close collaboration with specialised suppliers and the use of high-quality materials enable this qualified team to create leading-edge technology products.

## About GO! Express & Logistics

GO! Express & Logistics is Europe's largest independent express and courier service provider. The global partner network was founded in 1984 and currently comprises over 100 GO! stations in Europe. Approximately 1,400 employees and 1,700 drivers and couriers work hard every day to transport over 9.2 million shipments per year (2021).



Under the motto "beyond limits", GO! offers a comprehensive portfolio of logistics solutions ranging from regional courier transportation and global express shipping of goods, documents and extremely time-critical consignments to sensitive shipments or complex customer requirements. Its services also include tailored supply chain solutions and extensive value-added services 365 days a year and around the clock.

© The use of this copyrighted document is only permitted with prior explicit written approval. Failure to comply with this means that we reserve the right to take further legal action.