Senesco Marine Shipyard Invests in PEMA® Vision Welding Portal

Located in the Northeast coast of the USA, Senesco Marine Shipyard decided to invest on more productive and efficient welding system. Senesco has concluded a deal with Pemamek to deliver a PEMA® Welding Portal for the welding of double bottoms and subassemblies.

Senesco Marine, a Reinauer Transportation Company, has quickly made a name for itself as the premier shipyard for new construction and vessel repair in the Northeast. Consisting of 26 acres of Narragansett Bay waterfront property, Senesco Marine has created a small, but highly efficient shipyard capable of producing a vast array of vessels for their customers’ needs.

To boost their fabrication even more, Senesco trusted in PEMA’s hi-tech welding automation technology and made a deal of a twin robot welding gantry. Senesco needed more capacity, and the only way of truly increase the throughput was to get a flexible, yet capable gantry that improves productivity and reduces man hours per vessel.

“The next step for Senesco Marine is to produce not only Quality built vessels but at an increased pace to meet the needs of our customers. We currently are in a continuing build program for our current customers and at the same time are looking at new work for potential new customers. To be able to do this we are making the investment with PEMA to increase the throughput thus reducing the timeframe required to complete these vessels, which leaves room for even more opportunities. We are excited about this step of automation for the Shipyard and are looking forward to the relationship with PEMA as we endeavor to build Quality built vessels on time for our customers,” commented Mr. Michael J. Foster, Vice President and General Manager of Senesco.

Welding of double bottom structures takes plenty of hours; the work is dirty and very tough for welders. To make the job more productive and ergonomic for welders, the answer was automated welding. PEMA offered the solution: PEMA WeldControl TMpend. 200 Vision in Welding Portal. PEMA WeldControl Vision system is a user-friendly programming method for the robotized welding of subassemblies and open block structures. With two Yaskawa robots and Lincoln Electric Power Wave power sources the integration of all welding systems is made perfect in PEMA Welding Portal.

Senesco Marine has successfully built and delivered on-time nearly two dozen 60k, 80K and 100K barrel double-hulled fuel and chemical barges with accompanying ATB Tugs for clients, and are constructing a current line of 100K barrel double-hulled fuel and chemical barges with accompanying ATB Tugs. Since 1999 Senesco Marine has been building steel vessels to Regulatory standards and they base their success on the quality of boats and to the strict compliance of contracted delivery times of vessels.

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