IFS Enterprise Software Supports Shipbuilding, Aviation Management and Maintenance

By Richard R. Burgess, Senior Editor

ARLINGTON, Va. – A global Information technology company has expanded its products in recent years to provide tailored digital enterprise software to shipbuilders, ship repair yards, air arms, and airlines.

IFS is a global enterprise software company "working with some of the biggest, advanced shipbuilders in the world, across portfolio products," said Matt Medley, IFS global industry director for Aerospace and Defense (A&D), during an interview with *Seapower*.

"We focus on asset-centric and service-centric industries that tend to be highly regulated like aerospace and defense, one of our six core industries," Medley said. "Shipbuilding here gets a special focus because we actually have two units that work on shipbuilding: the "gray" ships for defense that fall under Aerospace and Defense codes [and] the commercial – the "white ships" – under Engineering and Construction.

"Shipbuilding is always complex, and of course when you add the defense angle onto it, with working with the federal government with all of the contracting rules, [it] becomes incredibly complex," he said.

IFS, a privately held company based in Sweden, has more than 6,000 employees. Topline revenues topped $1 billion in 2022, and are set to go to $2 billion in 2025, said Medley, a former

Air Force C-130 pilot. The company's North American headquarters is based in Chicago. The company's products are used by more than 10,000 customer organizations.

The IFS A&D sector is headquartered in Ottawa, Canada. Medley said the company has been growing by a mixture of internal growth and acquisition of other companies, with the A&D sector formed by the 2017 acquisition of a company called MXI, which had developed an asset-management software product called Maintenix used by airlines such as Southwest Airlines. IFS A&D sells its products directly to government, militaries, and defense contractors.

IFS is teamed with Lockheed Martin beginning in 2021 to provide digital transformation of U.S. Navy's maintenance, repair, and overhaul (MRO) legacy systems into "a single, fully modernized and responsive logistics information system," according to a company release. IFS software enhances planning and execution of maintenance by using artificial intelligence, digital twins, and predictive analytics.

IFS is now in the limited-deployment phase for introducing its solutions for the U.S. Navy's aircraft fleet.

"The Navy decided to start with one of IFS's different applications for its first limited deployment," Medley said. "The final solution will be an IFS product. They wanted to crawl before you walk before you run, because Maintenix is incredibly complex, and complex for a reason and that's why it's the Number One in the world in this market, because it has come very, very sophisticated guardrails to make sure that you don't do things incorrectly."

The company's core ERP (enterprise resource planning) IFS Cloud software is used by the shipbuilding and ship repair industry.

"The prime OEMs [original equipment manufacturers] and the prime contractors are our biggest customers," Medley said,

noting that the list included the three General Dynamics shipbuilders – NASSCO, Bath Iron Works, and Electric Boat – and BAE Ship Repair, Vigor Shipyards, and Austal.

IFS's solutions for the ship industries include not only the core ERP functions such as accounting and management, but also materials management, subcontracting, project management, product development, engineering, procurement, constructed out-fit, operations, repair, and maintenance.

"We code these solution sets across the breadth of the life cycle of the large asset – everything from design all the way out to sea trials and commissioning, integrating your operations out the entire value chain, forward and backward, and then internally as well with all of your processes all the way down to the shop floor," Medley said.

Medley said that the sale of a product is the beginning of a relationship, not the end, noting that it's never "a sale and walk away."

Like most software companies, IFS uses an "evergreen model" to provide subscription-based ongoing updated software to its customers. The company issues major updates twice per year, in the spring and the fall.