

## CASE STUDY

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GE Intelligent Platforms, Hyderabad, India

## BACKGROUND

GE Intelligent Platforms is part of the GE family, which provides industrial software, control systems and embedded computing platforms to optimize the customers' assets and equipment. They work across industries, including manufacturing, water, oil & gas, mining, power, defense and aerospace. GE Intelligent Platforms was one of the first companies in the United States to become a certified ISO 9001 manufacturer. They are headquartered in Charlottesville, VA.

For the past 25 years GE's traditional PLCs provide powerful solutions to mid-range, stand-alone or distributed industrial control. VersaMax PLC is one of its first solutions for control and distributed I/O. The VersaMAX PLC product line was such a success that the customers demanded a longer product life and support from GE and was not willing to upgrade to a different controller systems. Previously the VersaMAX PLX product family was running on the pSOS platform, however the chip vendor is no longer supplying the main processor. GE was looking to find an alternative chip vendor, however the new chip was not supporting the pSOS operating system. GE was looking for solutions which will enable them to keep the tried and tested legacy application code which worked perfectly for years and at the same time swap the processor chip which supported a NetOS/ThreadX environment.

## PROJECT

A hardware obsolescence problem occurred due to the fact that the main processor chip used in the VersaMAX PLC controller product family had become unavailable. GE's customer demanded the same system when they placed a new large order. GE's VersaMAX product required new hardware and a modern operating system while keeping the original pSOS application unchanged. This created a significant challenge for GE; even if GE manually ported the code, the customer's requirement not to modify the original application code would not be met.

## PRODUCT



OS Changer® Porting Kit for re-hosting pSOS applications on NetOS/ThreadX

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## SOLUTION

MapuSoft's OS Changer Porting kit allowed GE to migrate its important PLC application code to a new platform and operating system without re-writing/porting the code, thereby meeting GE's customer's requirements. The new product met GE's customers requirement for performance and stability.

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