CASE STUDY 3

GE Healthcare, US

BACKGROUND

GE Healthcare (GE) is a subsidiary of the General Electric Corporation, provides transformational medical technologies and services that are shaping a new age of patient care. GE offers a wide range of medical equipment and diagnostic products including medical imaging systems, medical diagnostics and patient monitoring. GE Healthcare is headquartered in Chicago Illinois.

GE's OEC C-Arm is a radiological image processing and image-intensified fluoroscopic X-ray system used during diagnostics, surgical and interventional procedures, such as orthopedic, cardiac, critical-care, and emergency room procedures and other imaging applications.

C-Arm products are a completely different family of products when compared to handheld low end to high definition high ends like 9800 series, 9900 elite series, 6800 MiniView series etc. Each of these products was running on different hardware and software platforms. Even though the systems are hardware and software specific, the basic functionality is similar.

PROJECT

Maintain a single code base for multiple Operating Systems to operate GE's OEC C-arm surgical navigation and visualization low-end and a high-end products.

PRODUCT

Cross-OS®
Development Platform

Cross-OS Development Platform with OS Abstractor for Linux and ThreadX target OS platforms.

SOLUTION

MapuSoft's Cross-OS Development Platform enabled GE to enhance their OEC- C-arm surgical navigation products so they will run on both a Linux and ThreadX target OS platforms. Having a single code base for multiple platforms simplifies GE's product smaintenance and provides an easier upgrade path in the future.