CASE STUDY 1 | Moog, US

BACKGROUND

Moog Inc is a worldwide designer, manufacturer, and integrator of precision motion control products and systems. Moog's high-performance systems control military and commercial aircraft, satellites and space vehicles, launch vehicles, missiles, industrial machinery, wind energy, marine applications, and medical equipment.

PROJECT

For the next generation medical infusion pumps, Moog was looking for a suitable COTS abstraction solution that offers advanced real-time performance and mission critical features and allow the software to run across multiple OS platforms while supporting a host based development environment. The abstraction solution was required in order to protect the software investment while extending the product life cycle which will survive OS version upgrades and even changing operating systems if necessary. Further, the Infusion pump system is running under multi-OS and multi-processor environment and as such Moog wants to stream-line the development using a common OS interface APIs and IDE across multiple OS environment. In order to stream-line the development, Moog partnered with an Indian service company for manpower and technical consultancy and MapuSoft for their OS abstraction solution and on-site training.

PRODUCT

Cross-OS® Development Platform

Cross-OS Development Platform with OS Abstractor & POSIX development interfaces

SOLUTION

After a long search and several product evaluations, both Moog and the consultant company selected Mapusoft's flagship AppCOE product with OS Abstractor and POSIX interfaces to develop their next generation product line. This way Moog can launch their next generation medical product line quickly and still continue to use their tested code.