

Software Under Pressure



Challenge:

In order to effectively comply with IEC 61508 Functional Safety of Electrical/Electronic/Programmable Electronic (E/E/PE) Safety-related Systems, Endress+Hauser Level and Pressure Division needed to demonstrate that its development processes and product characteristics met the requirements of the IEC 61508 safety standard.

Solution:

The VectorCAST automated embedded software testing and code coverage tools allows E+H to identify software quality issues early in the development cycle and to provide the necessary IEC 61508 SIL 3 certification evidences.

Details:

Endress+Hauser is an industry leading supplier of industrial measurement and automation systems, providing services and solutions for industrial processes all over the world. Vector Software's embedded software testing applications VectorCAST/C++ for unit test automation and VectorCAST/Cover code coverage analysis tools are a vital component of E+H's safety critical software development process.

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