

ILM (information lifecycle management) for automotive with an ASAM CEA based front end

“We chose ASAM because it provides well established and clearly defined standards for the automotive industry. Thanks to this approach, we could easily integrate the CEA-based evaluation software jBEAM into our test management solution testXplorer.”

Dr. Rudolf Gregor
 Project Engineer, Test Systems
 Kratzer Automation AG

i Summary

Challenge: During the testing process huge amounts of digital data are generated, which have to be stored safely over long periods of time.

Solution: Kratzer Automation provides the test management solution testXplorer, designed for data and information handling in test facilities. Integrating the ASAM CEA based analysis software jBEAM adds additional capabilities.

Key benefits: Test management provides long-storage for test data, measurements, images, information and documents. Integrated process support allows for efficient data evaluation and knowledge generation.

ii Situation

With the test management solution testXplorer, Kratzer Automation provides a powerful tool for long term data storage and information handling. AMS GmbH provides jBEAM, a sophisticated ASAM CEA based analysis software. Integrating both solutions leads to a new level of performance on central data management and evaluation.

iii Challenges

Formerly, data management and data evaluation have been completely separated, each task supported by specialized tools. This leads to a lot of work overhead while handling data.

iv Success strategy

Integrating test management and data analysis onto one server provides efficient support for working processes as well as reducing costs of ownership for data. The CEA based client-server architecture of jBEAM allows to integrate it directly into the testXplorer application window. Teamwork on

a common database is granted through server based data evaluation. testXplorer and jBEAM exchange data through a shared caching area, where duplicates of the test data objects are copied for evaluation. The original, fixed content data stay unchanged and safely managed in the testXplorer data store.

v Challenges during the project

Integration has been performed very easily and smoothly.

vi Business benefits

The proposed solution leads to benefits in several ways. Due to centralized and managed data storage, a reduction of the total costs of ownership for test data can be achieved. Due to sophisticated retrieval mechanisms and the integration of a server based evaluation solution increases efficiency for data analysis. Additionally license costs for evaluation software can be reduced by jBEAM client-server architecture.

We chose the CEA based evaluation software jBEAM for our solution because of its unique performance and the highly sophisticated client server architecture.

