

Customer Case Study:

helbling



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The vision "Innovation, together we do it" reflects Helbling Technik's position as a trusted long-term partner in its customers' Innovation Network. Over 220 Engineers, Physicists and Computer Scientists create new ideas during the early phase of product development, bring them to life during the design and implementation phase, validate these ideas utilizing the latest tools and state-of-the-art laboratories and finally turn them into successful products. Innovation Centers are based in Zurich, Berne, Aarau and Will (Switzerland) as well as in Munich (Germany) and Cambridge (MA, USA). The Embedded System Group in Zurich focusses in test equipment, industrial controls and embedded.



Based throughout Europe, Emenda provide software development and software testing consultancy and tools to customers worldwide. With a strong background in safety- and mission-critical software testing, Emenda has core competence and expertise in the verification and validation of software to external software standards.

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With the increasing general awareness of the value of high-level software testing to all kinds of software development, Helbling Technik began to look for testing solutions to support the development work for their customers. Having assessed the various solutions on the market, Helbling had a demonstration of the static analysis tool Klocwork K7 and the dynamic testing tool Cantata++ from Emenda Software Ltd. They then attended an extensive workshop for each tool with Emenda. After testing extensively each solution with selected customers, Helbling at the end of 2007 decided to purchase both licences .

And both products have been useful to the company so far, as Helbling Technik's Head of SW Development Guido Brunecker explains: "Both Klocwork and Cantata++ have been a valuable asset to Helbling. Even if customers do not specifically employ us to use either tool to test their code, the fact that we have invested in market-leading testing solutions gives our customers confidence and leads to better SW quality. Moreover, SW testing is getting more important due to increased complexity of applications throughout the industries and using professional tools has become an essential part to achieve higher standards."

Helbling's set-up comprises a GCC compiler and Eclipse IDE running on a Linux operating system, and they found that both tools integrated into the system smoothly, after initial support from Emenda. Through their broad customer base, Helbling are finding that they make use of the full range of functions each tool has to offer.

Especially important to them is the high level of testing the tools are capable of, as Helbling's Martin Halder points out: "It is important that the testing we do for our clients is of the highest standard. This is necessary more than ever when we are working especially in Medtech projects, where ISO and FDA standards have to be met. Cantata++ really helps us there. We are finding also that the standards in other industries are getting higher and clients increasingly expect to develop software to a high standard. With Klocwork especially, the metrics function allows the continuous improvement of code quality, and by starting testing early in the development cycle our clients gain efficiency. We are finding that proper testing is becoming a habit across the industries we work in, a good habit."

Emenda's Neil Langmead said of the work the two companies had done together: "We were really pleased to work with Helbling, a company with an excellent reputation and a solid commitment to improving software standards. It is excellent news that their commitment to proper testing is being shown more and more by their customers and we look forward to working with them further in the future."

Guido Brunecker in turn found working with Emenda a positive experience: "Emenda's consultants have an excellent knowledge of Klocwork and Cantata++ and the service they provided was efficient. Their after-sales support has been thorough and we would certainly use their services again."

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