

# codeBeamer

CodeBeamer is a highly scalable collaborative software development platform that provides complete application lifecycle management. It integrates individuals into teams and teams into enterprises for the purpose of collaborating, knowledge sharing and working effectively from diverse locations.

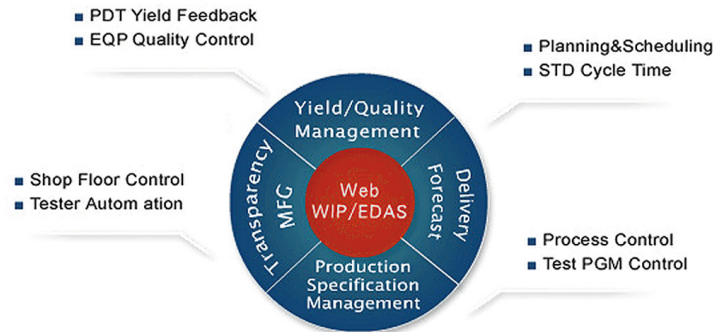


## ArdenTec

*"Before using CodeBeamer, we had to spend at least one or two hours with customers for conference call each week. ...After applying CodeBeamer, the conference call is no longer necessary because everything can be communicated clearly through CodeBeamer, and this has saved us lots of time."*

### ArdenTec Advanced the Management of Information System Development by CodeBeamer

ArdenTec is a well-known providers of semiconductor testing solutions (No. 3264 in Taiwan Stock Market) To offer their customers convenience on getting the real-time status of their orders ArdenTec has established a highly automatic manufacturing and testing data management system WIP/EDAS on a real-time and internet accessible base. WIP/EDAS provides customers real-time manufacturing status and testing data under stringent access security control. These real-time data are very helpful to customers' production material tracking and engineering analysis. Besides, ArdenTec has also built electronic systems to advance work efficiency, and dedicates to offer customers the best test service.



The Architecture of ArdenTec's WIP/EDAS

In 2005, ArdenTec's Mfg. & Engr. Syst. Integ. Dept. found that all of their systems had become more and more complicated. If only counted codes written by Java, there had been more than five millions lines. To well manage all the codes, documents, bugs, and change requests had become a big challenge for them. Therefore, they started to look for information system which could facilitate the overall development management. Ming-Chi Hung, The Deputy Manager of Mfg. & Engr. Syst. Integ. Dept. said that: "We had ever tried Lotus QuickPlace, Bugzilla, Wiki, SharePoint, and Clearcase to see whether those systems could solve our issues. Latter on, we found that just the combination of CodeBeamer and CVS could fulfill our demand. It is much easier to use, and relatively economical. So, we decided to adopt CodeBeamer."

ArdenTec applied CodeBeamer in the order of Source Code, Document Management, and then Project Tracking. In the beginning, they had to face the resistance due to developers' old habits. After repeating the importance to commit all the RD documents and bugs on CodeBeamer, CodeBeamer became the working portal for the system development team in short time. ArdenTec established the Singapore office in 2006, and it started the demand of cross-area collaboration among the software developers in Taiwan and Singapore. ArdenTec said "since CodeBeamer is quite user friendly, it did not take much time and training for the new members in Singapore to familiar with CodeBeamer." "The know-how and success experience in Taiwan was well shared to Singapore developers." Besides using CodeBeamer in ArdenTec, CodeBeamer is also opened to ArdenTec's customers to trace bugs and change requests, as well as to offer on-line FAQ and share documents. ArdenTec's customers were surprised with that ArdenTec offered so friendly interface to serve them, and have enjoyed the convenience.



## ArdenTec Advanced the Management of Information System Development by CodeBeamer

In 2006, the Mfg. & Engr. Syst. Integ. Dept. became Engineering Information System Develop Dept., and the deputy manager Mr. Hung was promoted as the department manager. He gave CodeBeamer the following comments in Sep. 2007:

- CodeBeamer is a turn-key solution. With simple setting and configuration, it can be easily implemented. It's not like some systems which need complicated configuration and customization with coding efforts for real implementation.
- CodeBeamer makes it much easier to find information. It's very helpful on reusability. Basically, if users input all the relative data into the system during the project process, people can work on the next similar project in reference to the earlier know-how and complete jobs in more efficient way.
- Before using CodeBeamer, we had to spend at least one or two hours with customers for conference call each week. Sometimes, people in various locations, for example. Malaysia, France, and America, needed to get together for conference call in the same time. Time zone difference caused that some people had to sacrifice their sleep time. After applying CodeBeamer, the conference call is no longer necessary because everything can be communicated clearly through CodeBeamer, and this has saved us lots of time.
- It took about eight month to see the obvious effect of CodeBeamer. Overall benefits are
  - the bugs, tasks, and relative issues of each project get solid traced
  - all the relative information can be found easily
  - it is much easier to monitor and trace source codes
  - reusability of knowledge has been greatly improved

**For the team who would like to apply CodeBeamer**, ArdenTec gives the following advice: Software development team should be the key users in the beginning of CodeBeamer implementation, and task management is the key feature which should not be missed, if you would like to gain the best value of CodeBeamer.