

Essential Project Manager (EPM) is more than a source code measurement tool. It is a reliability and quality improvement utility that should be an essential component of your build and release process. EPM provides a highly effective method of monitoring the *stability* of your source code and will help ensure that you create a better product.

The principle underlying the deployment of EPM is this:

*“If your source files are constantly being changed, the source base is not stable because it is being frequently altered, and it is not ready to be released as a product”.*

The press is full of multi-million dollar projects that have fallen into ruination because of unstable software. Unreliable software is not just a problem for the frustrated, end-user customer; it can, amongst other things, cost lives and lead to very costly 'breach of contract' actions resulting in awards for damages and compensation against the software manufacturer.

It is a non-contentious statement to say that:

*“No software house wants to face expensive legal proceedings or customer dissatisfaction because of a preventable problem with its software manufacturing processes”*

EPM cannot *ensure* the reliability and stability of your source project but it can make a tremendously positive improvement for a small investment in time and money.

EPM works by becoming an integral part of your build process. Every time you build a release of your source code, EPM will *automatically* check the number of changes, additions and deletions in each source file, compared to the previous release. If there are more changed lines in the source base, than the previous build then the code base is still “hot and active” and is not stable. If the number of changed lines is, as might be expected, decreasing and becoming fewer, then the source code is becoming stable and you are closer to delivering a stable, reliable software product.

You may say

*“We have heard it all before, these tools are more trouble than they are worth, we don't have time to learn and use complicated software quality tools”.*

Good point.

However EPM is a command line “batch-mode” tool. Once integrated (a simple job), it automatically delivers the crucial information on the number of changed, added and deleted lines of source in each file and across the whole project.

It's not complicated and it needs no special skill or user intervention.

*It's a compelling argument for an essential utility, that's why we called it Essential Project Manager.*

EPM has been developed in conjunction with leading software houses in the finance, defence, telecommunications and healthcare communities. It was designed to exact, customer requirements. It's a tool designed by source code professionals for source code professionals. Disclaimer – PowerSoftware.com accepts no liability or responsibility for any claims, explicit or implied, contained in this material.