



TECHNOLOGY DUE DILIGENCE

Background

Acquiring a company or merging with another company are significant undertakings. In both cases, it needs to be secured that all aspects related to the software involved have a sufficiently high level of maturity. A Technology Due Diligence appraises software processes, the culture, performance, management experience and technical depth of target development staff. In addition, coding guidelines, level of software quality, and the development environment (infrastructure, tools, licenses). Will be evaluated.

Companies failing to undertake a Technology Due Diligence assessment may unsuspectingly invest in a superficially attractive but ultimately impossible enterprise. Companies that hope to be acquired or intent to merge must be prepared to ensure that the findings of a due diligence will not devalue their assets.

Our offering

We can provide a Technology Due Diligence that will help you to better realize value from the software and/or development organization you want to acquire or merge with or to prepare yourself properly for an acquisition or merger. The outcome is a “health” report, listing strengths and weaknesses in the following areas:

- Processes;
- Culture;
- Performance;
- Management;
- Technical Expertise;
- Coding guidelines and Quality;
- Development Environment.

Typical duration: 2-3 weeks.

For further information

Please contact us at T: +41 33 733 4682 or E: info@se-cure.ch.



Typical phases for “Technology Due Diligence”.

Task	Non Cost of Quality		Cost of Quality				TOTAL
	Value Added	Non Value Added	Cost of Conformance		Cost of Non-Conformance		
			Prevention	Appraisal	Internal Failure	External Failure	
Development Phase							
Feasibility			75				75
Requirements	700						700
Requirements Review			75				75
Architecture	1'000						1'000
Architecture Review			75				75
Low-level Designs	1'500						1'500
Design Reviews			75				75
Coding	3'000						3'000
Code Inspections							0
Unit Testing				1'200			1'200
Integration Testing				900			900
System Testing				1'800			1'800
Configuration Management		1'000					1'000
Quality Planning			150				150
Quality Guidance			200				200
Quality Control/Reporting				1'000			1'000
Prototyping			100				100
Debugging					750		750
Re-design					300		300
Re-coding					750		750
Re-inspections					0		0
Re-testing					1'400		1'400
Other Rework					500		500
Project Management		1'000					1'000
Administrative Support		500					500
Training							0
Process improvement			75				75
Development Total	6'200	2'500	825	4'900	3'700	0	18'125
%	34.2%	13.8%	4.6%	27.0%	20.4%	0.0%	100.0%
Post-Release Phase							
Defect Repair						2'000	2'000
Customer Support						1'000	1'000
Post-Release Total	0	0	0	0	0	3'000	3'000
%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Grand Total	6'200	2'500	825	4'900	3'700	3'000	21'125
%	29.3%	11.8%	3.9%	23.2%	17.5%	14.2%	100.0%

Snapshot of example showing detailed “Cost-of-Quality” analysis.