Risk Management User Forum - Bremen

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Controlling Risk by design

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Niels Malotaux

Niels Malotaux is an independent consultant and project coach, teaching immediately applicable methods for delivering Quality On Time to projects and organizations. He has some 30 years experience in designing hardware and software systems, at Delft University, in the Dutch Army, at Philips Electronics, and 20 years leading his own systems design company. Since 1998 he devotes his expertise to teaching and coaching projects to deliver Quality On Time. Since 2001 he coached some 30 projects at 11 different organizations in the Netherlands, Belgium and USA. He is a frequent speaker at conferences.

Niels puts development teams on the Quality On Time track and coaches them to stay there and deliver their quality software or systems on time, without overtime, without the need for excuses. Practical methods are developed, used, taught and continually optimized for:

- Evolutionary Project Management (Evo)
- Requirements Generation Management
- Reviews and Inspections.

Within a few weeks of turning a development project into an Evo project, the team has control and can tell the customer when the required features will all be done, or which features will be done at a certain date. Niels enjoys greatly the moments of enlightenment experienced by his clients when they find out that they can do it, that they are really in control, for the first time in their lives.



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Risk		
by Deciar		
by Design		
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Risk?		
 I hardly use the word "risk" A project is there to decrease t acceptable minimum Known risks are controlled by examples: 	he risks of failure to an <i>design</i> (by process)	
Estimates are Time Boxes (traci Active Synchronization (dealing Interrupt process (dealing with per	king hardly needed) with the bad world around the project) rceived sudden requirements changes)	
 The techniques used are called Evo projects are successfully or shorter time 	l "Evo" concluded, typically in 30%	
	2	,
Risk Definition		
An uncertain event or condi if it occurs.	tion that,	
has a positive or negative e	ffect	
on a project's objectives	(PMBOK)	
➢ 0% or 100% probability is➢ Positive risk is also called	not a risk d: opportunity	
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Booklets: http://www.malotaux.nl/nrm/pdf/MxEvo.pdf http://www.malotaux.nl/nrm/pdf/Booklet2.pdf http://www.malotaux.nl/nrm/pdf/EvoTesting.pdf













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Impact		On-line Support	On-line Help	Picture Handbook	On-line Help + Access Index	
Estimation	Learning 60 minutes <-> 10 minutes					
	Scale Impact	5 min.	10 min.	30 min.	8 min.	
	Scale Uncertainty	± 3 min.	± 5 min.	± 10 min.	±5 min.	
	Percentage Impact	110%	100%	60%	104%	
	Percentage Uncertainty	±6% (3 of 50 minutes)	±10%	±20%?	±10%	
	Evidence	Project Ajax: 7 minutes	Other Systems	Guess	Other Systems + Guess	
	Source	Ajax Report, p.6	World Report, p.17	John B	World Report, p.17 + John B	
	Credibility	0.7	0.8	0.2	0.6	
	Development Cost	120 K	25 K	10 K	26 K	
	Performance to Cost Ratio	110/120 = 0.92	100/25 = 4.0	60/10 = 6.0	104/26 = 4.0	
ef 'om Gilb Competitive Engineering	Credibility-adjusted Performance to Cost Ratio (to 1 decimal place)	0.92*0.7=0.6	4.0*0.8 = 3.2	6.0*0.2 = 1.2	4.0*0.6 = 2.4	

Types of Tasks

- 1. Tasks done within estimated time (= timebox)
- 2. Analysis Tasks (too short timebox)
 - What do you know now
 - What do you still not know
 - What do you still have to know
 - Which tasks can you define
- 3. Mis-estimated tasks (we're only human)
 - Feed the disappointment about the failure to your experience/intuition mechanism
 - What did you do
 - What did you not do
 - What do you still have to do
 - Which tasks can you define









Evo	elements		
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• Pri	iorities	Tanguage	
• Eo			
• Ac	tive synchronisation		
• W	ark is always done		
• Int	egrated Planning, Requirement	s and Risk management	
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Linl	ks		
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