

Workshop 27 November 2010

Niels Malotaux

Predictable Projects Delivering the Right Results at the Right Time

N R Malotaux - Consultancy The Netherlands tel +31-30-2288868 fax +31-30-2288869 niels@malotaux.nl www.malotaux.nl

Niels Malotaux

Niels Malotaux is an independent Project Coach and expert in optimizing project performance. He has 35 years experience in designing electronic 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 helping projects to deliver Quality On Time: being predictable while delivering what the customer needs, when he needs it, to enable customer success. To this effect, Niels developed an approach for effectively teaching Evolutionary Project Management (Evo) Methods, Requirements Engineering, and Review and Inspection techniques. Since 2001, he taught and coached well over 100 projects in 25+ organizations in the Netherlands, Belgium, China, Germany, India, Ireland, Israel, Japan, Romania, South Africa and the US, which led to a wealth of experience in which approaches work better and which work less in the practice of real projects. He is a frequent speaker at conferences and published several booklets around the topic of the presentation (see www.malotaux.nl/Booklets).

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 Engineering and 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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Causes of causes (use 5 times 'Why?') Management Indifference No Sense of Urgency Discipline Uncertainty Intuition Perceived weakness Perception Fear of Failure Lack of time Not a Zero Defects attitude Ignorance Incompetence No techniques offered Politics No empowerment So called Scientific Management Techniques No dissemination through the whole organization But we are Systems Engineers! The Project Manager is responsible for delivering the right result at the right time The Project Worker's work and decisions determine the result and the time it is delivered This makes everybody in the project implicitly as responsible as Project Management









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Estimation Exercise

Are you an optimistic or a realistic estimator?

Let's find out !

Project: Multiplying two numbers of 4 figures

How many seconds would you need to complete this Project?

Is this what you did?

Defect rate	
Before test ?	
• Defore test :	
After test?	
	21
Alternative Design (how to solve the requirement)	
	22
	22



Elements in the exercise		
 Estimation, optimistic / realistic 		
Interrupts		
 Test, test strategy 		
Defect-rate		
• Design		
Requirements		
Assumptions		
	25	














































Lean things

- Most managers think their greatest contribution to the business is doing work-arounds on broken processes, rather than doing the hard work to get the process right so that it never breaks down (Womack)
- 90 per cent of all corporate problems can be solved using common sense and improving quality while reducing cost through the elimination of waste Imai: Gemba Kaizen - A Commonsense Low-Cost Approach to Management
- Root-Cause-Analysis on every defect found? We don't have time for that! (project manager)
- Plan-Do-Check-Act cycle was by far the most important thing we did in hindsight (Tom Harada)



60























Product/Portfolio/Resource Management	
 Current Program/Portfolio/Resource Management is based on hope More a game than management 	
 With TimeLine we can provide PPR Management with sufficiently reliable data To start managing 	
92	
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How many Business Cases ?
Do you have a Business Case documented for your project ?
How many Business Cases ?
There are usually at least two Business Cases:

Theirs
Yours

Actually, every Stakeholder has his Business Case but
Only the Customer pays and can make tradeoffs
The other Stakeholders couldn't care less about the cost


































www.n	nalotaux.nl/Booklets	Mor		
	olutionary Project Management Methods (2001)	initial initia	~	
Issu	ues to solve, and first experience with the Evo Planning ap	proach		
	w Quality is Assured by Evolutionary Methods (2004)			
	er a lot more experience: rather mature Evo Planning proc			
	timizing the Contribution of Testing to Project Succe	ss (2005)		
	w Testing fits in			
	timizing Quality Assurance for Better Results (2005) ne as Booklet 3, but for non-software projects			
	ntrolling Project Risk by Design (2006)			
	w the Evo approach solves Risk by Design (2000)			
	neLine: How to Get and Keep Control over Longer Pe	riods of Time (200	7)	
	placed by Booklet 7, except for the step-by-step TimeLine p		.,	
	man Behavior in Projects (APCOSE 2008)			
	man Behavioral aspects of Projects			
	w to Achieve the Most Important Requirement (2008			
	nning of longer periods of time, what to do if you don't ha	ve enough time		
	lp!We have a QA Problem!(2009) e of TimeLine technique: How we solved a 6 month backlog	in 9 weeks		
	asurable Value with Agile (Ryan Shriver - 2009)			
	e of Evo Requirements and Prioritizing principles			
www.n	nalotaux.nl/nrm/Insp			
	pection pages			
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Wish specification	Thank you, nice input	
Business Case	Why are we doing it	
Requirements	What the project agrees to satisfy	
DesignLog	Selecting the 'optimum' compromise and how we arrived at this decision	
• Specification	This is how we are going to implement it	
Implementation	Code, schematics, plans, procedures, hardware, documentation, training	
Process Log	Describing how and why we arrived at which current practices	
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6 page	Inspection Manual)
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Schedule				
	November	Sat 27		
	09:30~11:00	1:30		
	break	0:15		
	11:15~12:45	1:30		
	lunch	1:00		
	13:45~15:15	1:30		
	lunch	0:15		
	15:30~17:00	1:30		