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Experiences in RCS Leuven

a happy customer looking back

Bart Vanderbeke

bart.vanderbeke@philips.com

Niels Malotaux

niels@malotaux.nl





RCS

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✓ Remote Control Systems



World's 1..2nd biggest remote manufacturer



✓ From 4 bit remotes ... to 'portable multimedia interfaces'



✓ Leuven, Ovar, Juarez, Suzhou, Sunnyvale, Singapore, Batam, Tokyo



✓ Partnering with Philips Bangalore





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√1992-2000



- Philips Leuven
- DSP & embedded SW,
- SW Process Management



√ Since 2001



- Remote Control Systems Leuven
- Group leader of some 20 SW people









RCS' touch screen products

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← iPronto (2002-Q3)

Web-pad-like device + webservices



← Pronto Pro (2001-Q3)

History

Technology

Market characteristics

Sales price

Why is Pronto successful?



← Pronto II (2002-Q3)



← Pronto (1998)



← Pronto Neo (2001-Q3)

We create fun products



Evonauts' biotope

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- Spec evolves while we build the product
- Constant feedback from customer needed
- The only manageable project parameter



- ✓ Critically staffed projects
 - No statistical management possible





- Immovable end dates
- ✓ New, immature technology



- ✓ Mixture of (un)experienced team-members
- ✓ Limited/Fixed budget
- √ 'Zipped' lifecycle

This is not a problem, we just love this context! ** wake things better.





What is?

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✓ Continuously prioritize



✓ Delight/Disappoint the customer AEarlyAP





Added value for the customer (earned value)





Decide! Choose!





✓ Think long term, act now







The Evo Engine

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Repeat











- (Re)specify, (Re)prioritize, cut/add features

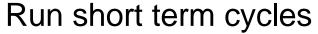
- Schedule features











- 1 week task cycle, 2 week delivery cycle



Measure

Until 'Final Delivery'





Delivery cycle

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✓ 2 weeks



✓ Every delivery = added value for the customer





✓ No full 'V' per delivery cycle





Architecture & design loosely coupled to delivery cycle





Make the team taste success



Planning cycle

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√ 1 week



✓ People tell what they can do

- They are not told what to do
- They document this in their task sheets



✓ All tasks must fit in 1 week

- Big assignments are split in 1 week chunks,
- but the result is possibly only integrated in the first delivery of the complete assignment



✓ Every task is linked to a requirement



- √ Finished task = properly verified
- ✓ SWPL measures task completion







Measurements

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Do we estimate correctly?





+ Effort to be done in another week finished now



Do we deliver value to the customer?

- Earned value



Do we still have air?

Contingency Trend =
 Contingency estimated – \$\mathbf{S}(1 - TC_i/100) * effort week_i



Do we solve known problems?

- PR state trend



Long term/short term confidence







Dangers, Traps & Pitfalls

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✓ Management considers Evo projects more difficult to manage



✓ Forgetting the long term



✓ Top down task definition





✓ Misuse the detailed information





EVO is management intensive

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✓ SW team leaders





✓ SWPL & Architect

do some sort of XProject Management



✓ Plan for coaching









Evo & CMM

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✓ See a conflict... raise your hand!





 We defined a complete SW Process Manual and we never had an issue with CMM compliance





 It takes some months for team members to digest Evo...
 how long will it take for a CMM assessor?





We're heading for CMM Level2, based on Evels make things better



Evo is successful

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✓ Three cases, three success stories



- Home shopping (2001-Q1)
- NeoEdit (2001-Q3)
- Pronto Neo (2001-Q3)







- Pronto II (2002-Q3)
- iPronto (2002-Q3)







Links

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✓ www.malotaux.nl/nrm Niels' website



✓ www.malotaux.nl/nrm/Evo
Evo pages



www.malotaux.nl/nrm/pdf/MxEvo.pdf
Evo booklet



www.gilb.com
Evo guru



