Keeping up with the Dutch Regulations

A systems perspective

Warner Pel
Essent Grid Operations
Contents

• Essent
• The Dutch Market
• The rules and regulations
• Impact of changes on the processes and systems
Essent

- Largest Dutch utility by turnover
- 2.4 million customers
- Over €7Bn turnover
Essent Metering

- 100 staff
- Responsible for all metering
- Focused on industrial customers
  - Retail tasks delegated
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The Dutch Metering market

- Metering market deregulated
- Metering separate from grid operator and retailer
- Approx. 20 companies active
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The Dutch Metering Code

• Elaborate and detailed

• Specifies tasks and responsibilities
  – Meter register
  – Data collection / validation
Changes

• 2002
  – tasks and responsibilities assigned to Grid Operator
  – limited meter register

• 2005
  – Tasks and responsibilities assigned to separate "Metering Responsible"
  – comprehensive meter register
Changes

• 2002:
  – No rules for data validation / reparation. Left up to grid operator
  – Information exchange with other parties in a number of different formats

• 2005
  – Detailed rules for data validation / reparation
  – Information exchange with other parties in fixed, standardized format
Changes

• 2002
  – Billing for industrial customers based on time-series data

• 2005
  – Billing for industrial customers based on meter stands
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Impact on the systems

- Systems built / bought in 2002 have been largely replaced or rebuilt

- Process and quality improvements have sometimes been relegated to the second plan
Conclusions

- Being "reactive" with respect to external influences is a losing strategy
- Having "islands" soon becomes unmanageable
Conclusions

• Redesigning business processes and building an IT architecture on those

• Build an integrated but modular system