Implementing INSPIRE Utility Networks in the Netherlands

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The Dutch Cadastre - Advisor product- en procesinnovatie

kadaster
feitelijk verrassend
Dutch network operators and INSPIRE

- EC-guideline 2007
- Implementation Act
- About 700 network operators are obligatory
- Deadline 1: 3/12/2013
  - Metadata op NGR
  - WMS/WFS met data as is
  - Meeting QoS
- Deadline 2: october 2020
  - Harmonized data
Strategic goals Dutch excavation industry

1. Lesser excavation damages
2. More efficient excavation process
3. Share information about utility networks in other domains

User demands:
• Ubiquitous
• Analizable
• Interoperable
+ More area information
+ Filing system
Meet INSPIRE obligations by adjusting KLIC

KLIC-WIN (Wion+INspire)
• Letter of Intent (2013)
• Major choices (2014)
  • Scope (MoSCoW)
  • Hybrid model
  • Business architectuur
  • Synergie with Riskmap
  • legal context
  • Information model
• Design (2015)
• Build & implement (2017e)
Scope KLIC-WIN: Must have (MoSCoW)

- Meet the requirements of INSPIRE UN
- Modernization of the WION-process
- National Information Model Cables and Pipelines (IMKL2015)
- Collective portal for network information.
- Achieve synergy between several actual systems (e.g. risk registry pipelines with dangerous content)
Scope KLIC-WIN: Should have (MoSCoW)

- Integrated process to report false registration of cables and pipes
- Integrate information of planned civil works,
- A filing system of the reported excavations,
- Combine network information with other area information,
- Publish 3D information (directional drilling).
KLIC-WIN – conceptual model (hybrid)
Roadmap

- Architecture & design
- (Re)built
- IT implementation
- Business implementation
Concept system (new)

Customer Registration
- Identity
- Access

Access control
- Access

Order
- Present
- Select
- Product specifications

Product registration
- Product services catalog

Contract management
- Contract administration
- Contract monitoring

Order management
- Sales order registration
- Follow up action
- Order monitoring

Production management
- Service order registration
- Production planning
- Production monitoring

Production (factory)

Assembly
- Assembly

Finance
- Billing
- Collect
- Financial control

Deliver
- Customer Lay out
- Channel Lay out
- Deliver

Order flow
Product flow
Information flow

Source
Source
Source

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The e-Excavator

- Need for App’s
- Invest in hardware
- Adjust business processes
- Inform and educate the work force
TODO for the network operator

- INSPIRE-mandatory? 70%
- Network information copied to the central data warehouse?
- Network information correct and updated?
- Planning, budget, resources?
- Contract a service provider?
- ...

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To be expected shortly …

- Communication
- Design issues
- IMKL2015 V0.99
- Adjustments of WION