


Elevation Profile Across the Platform and Profile Implementation at Waternet, Amsterdam (NL)

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Agenda

- 
- GEONIS Profile Tool – what does it do?
 - Transformation of an ArcMap tool to Platform Compliance
 - Live Demo
 - Implementation at Waternet Amsterdam – RHDHV

Geocom is part of the Esri Germany Group

Esri Deutschland Group GmbH

Strategic planning

geocom

Utilities
Industrial Plant Management
Transport & Logistic

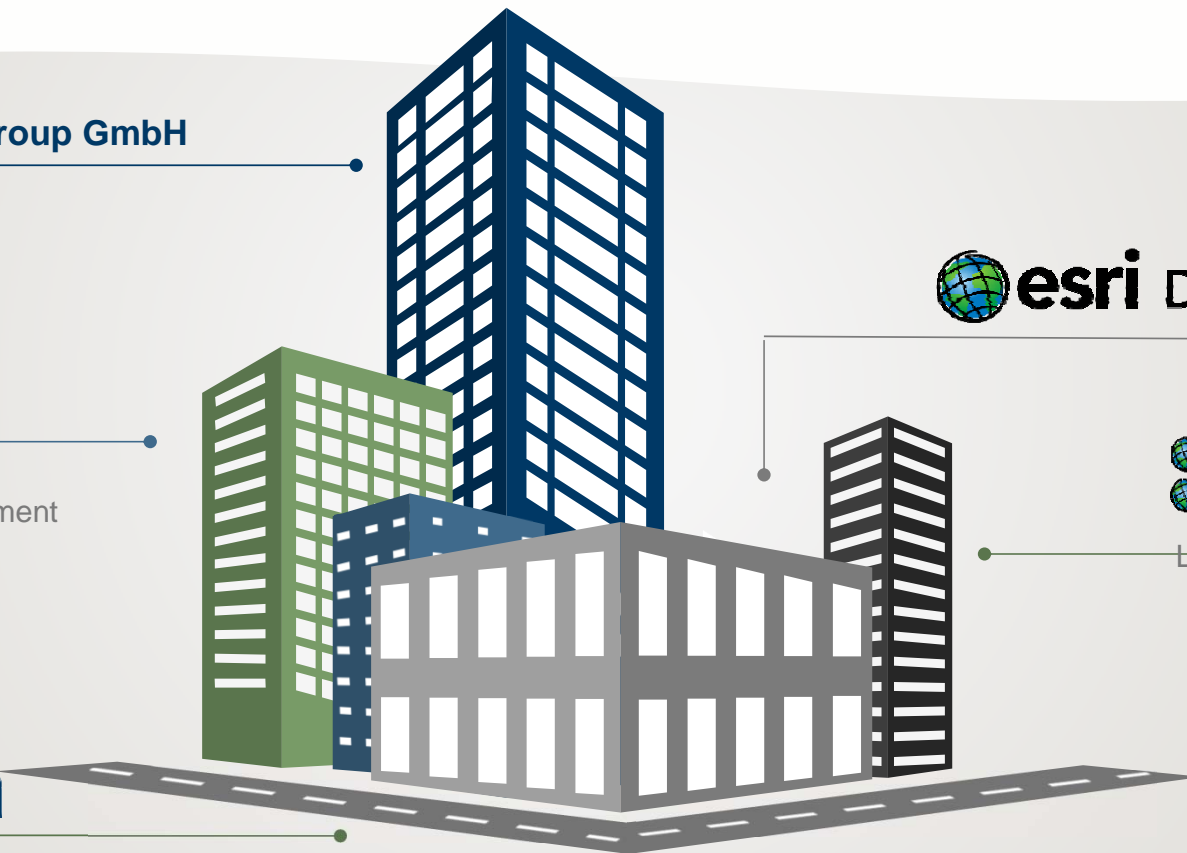
con•terra

Nature, Environment, Resources
Business Solutions

 **esri Deutschland**

 **esri Suisse**
 **esri Rwanda**

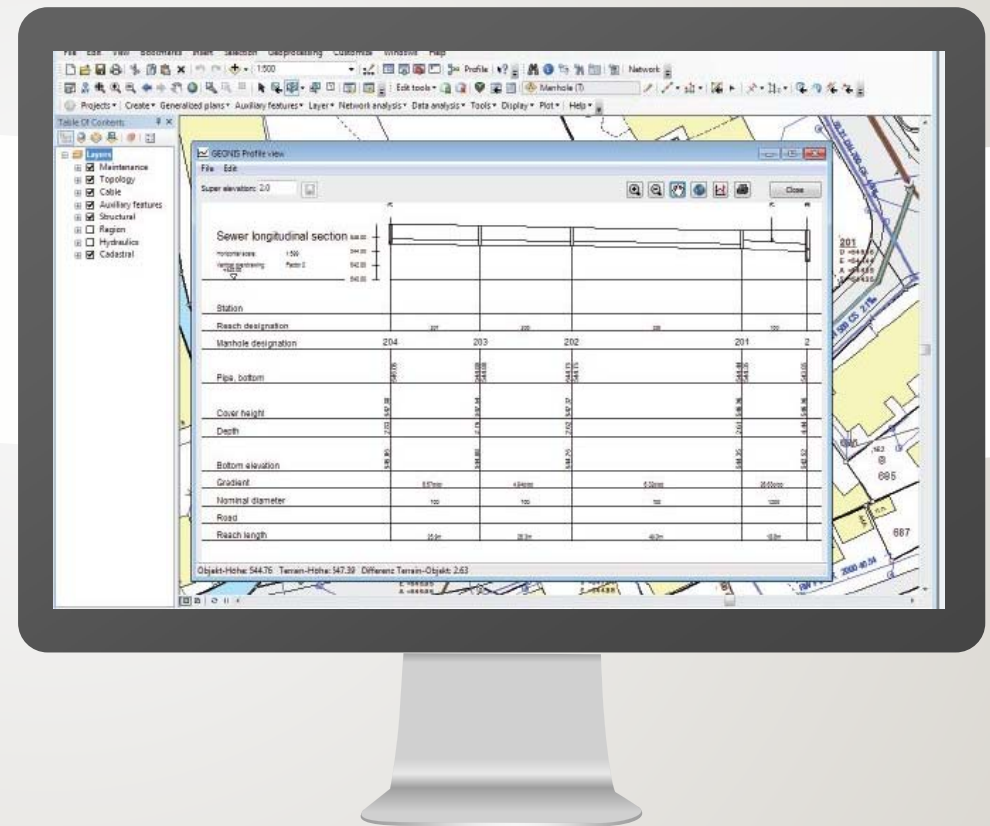
Local Distributor



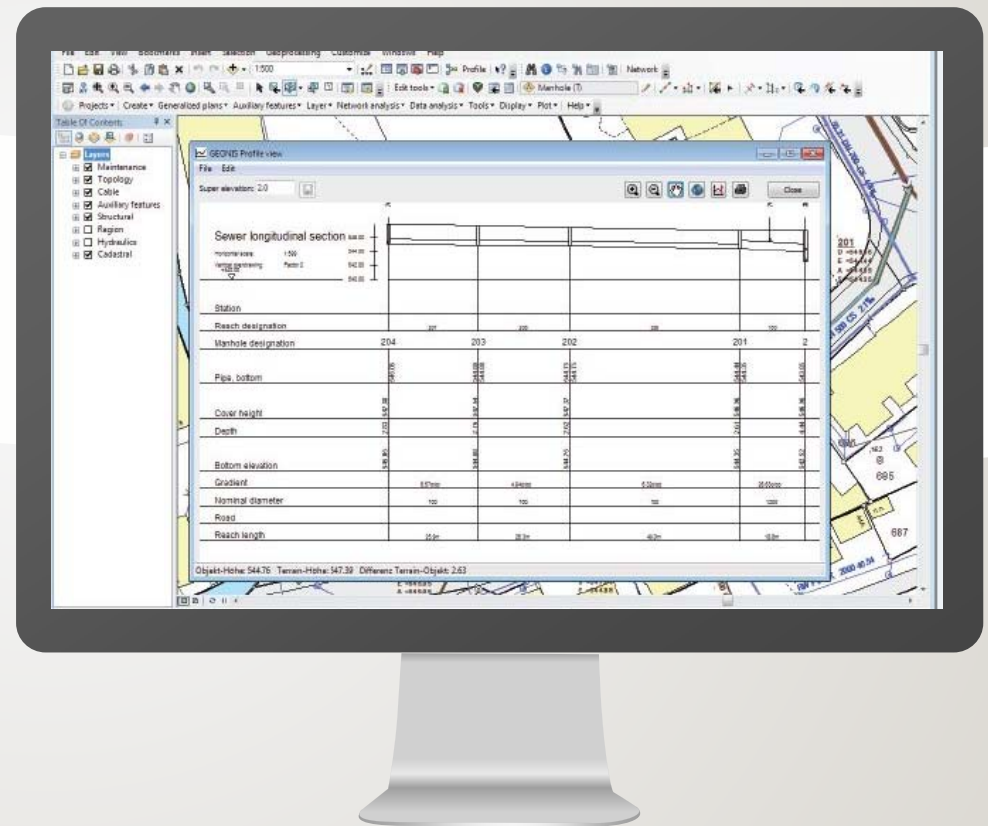
GEONIS Profile Tool for ArcGIS

Original tool is ArcMap-based elevation profile tool

- Longitudinal
- Cross-sectional
- Sewer
- Pipeline



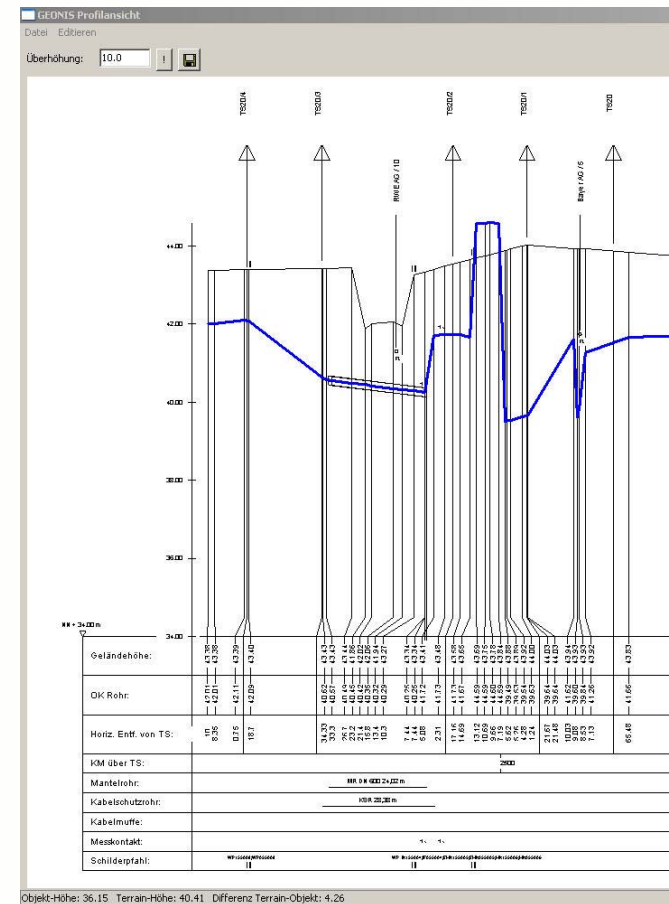
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GEONIS Profile Tool for ArcGIS

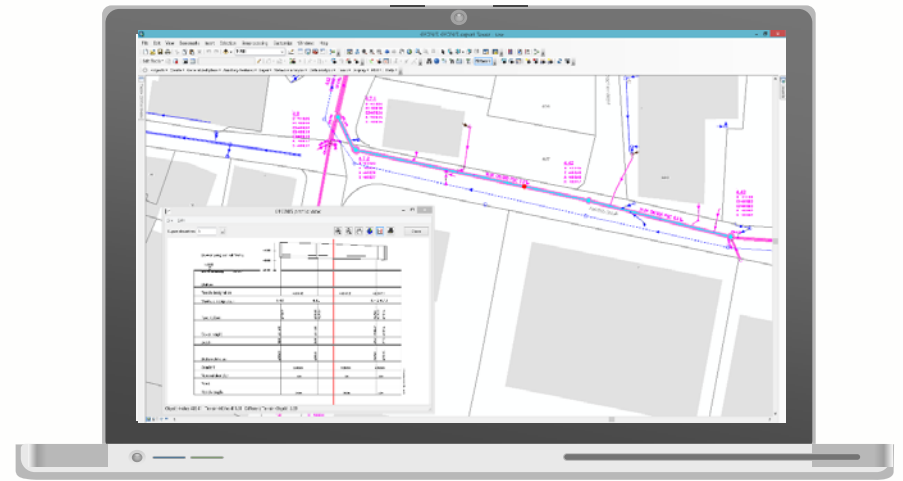
Original tool is
ArcMap-based
elevation profile
tool



Longitudinal
Cross-sectional



Sewer
Pipeline



Re-engineering for the Platform

The Task:

Redevelop a traditional ArcMap tool for true Platform compatibility:

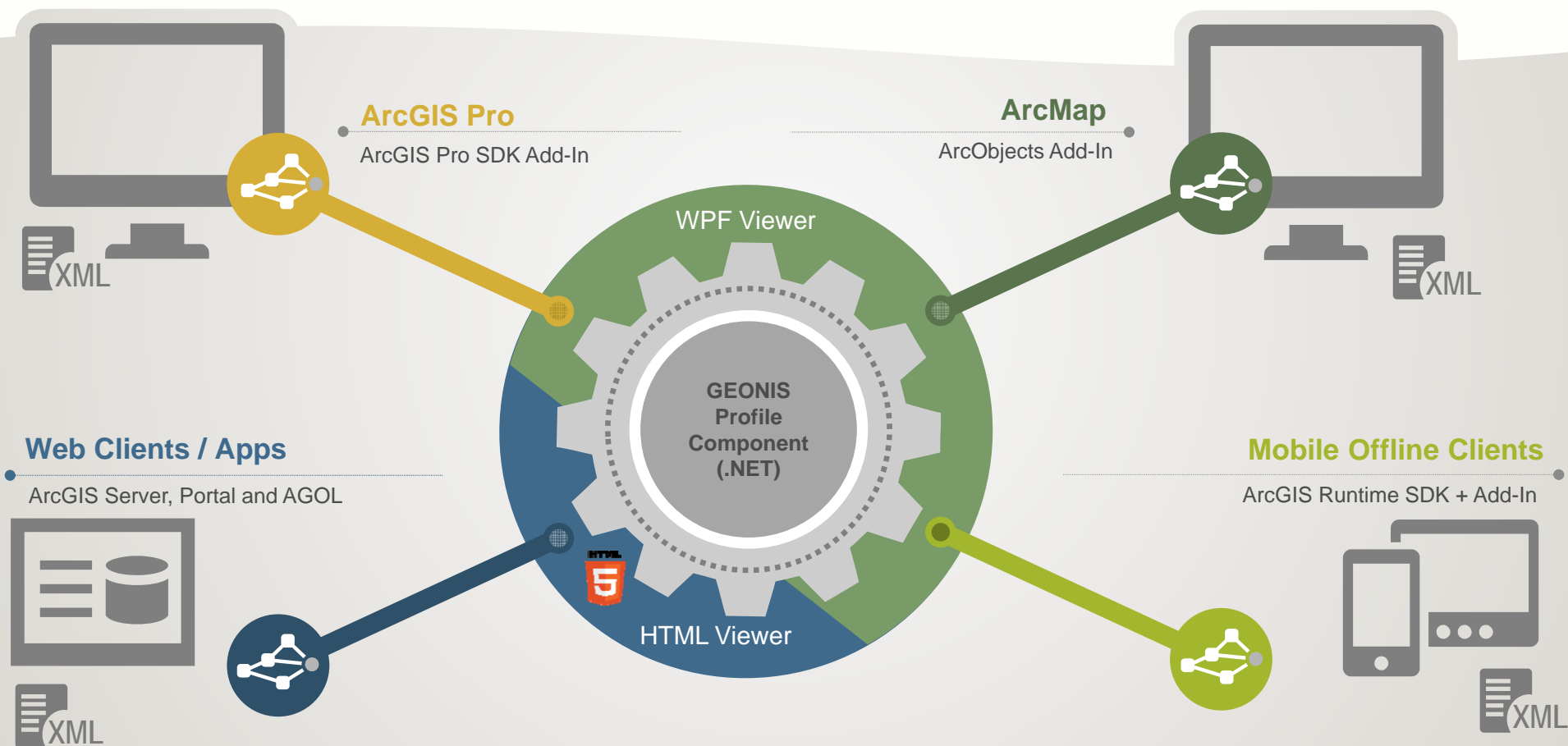
- ArcGIS Pro
- ArcMap
- ArcGIS Runtime SDK
- Web clients: ArcGIS Server, Portal, ArcGIS Online



Profile Tool Platform Architecture



Profile Tool Platform Architecture



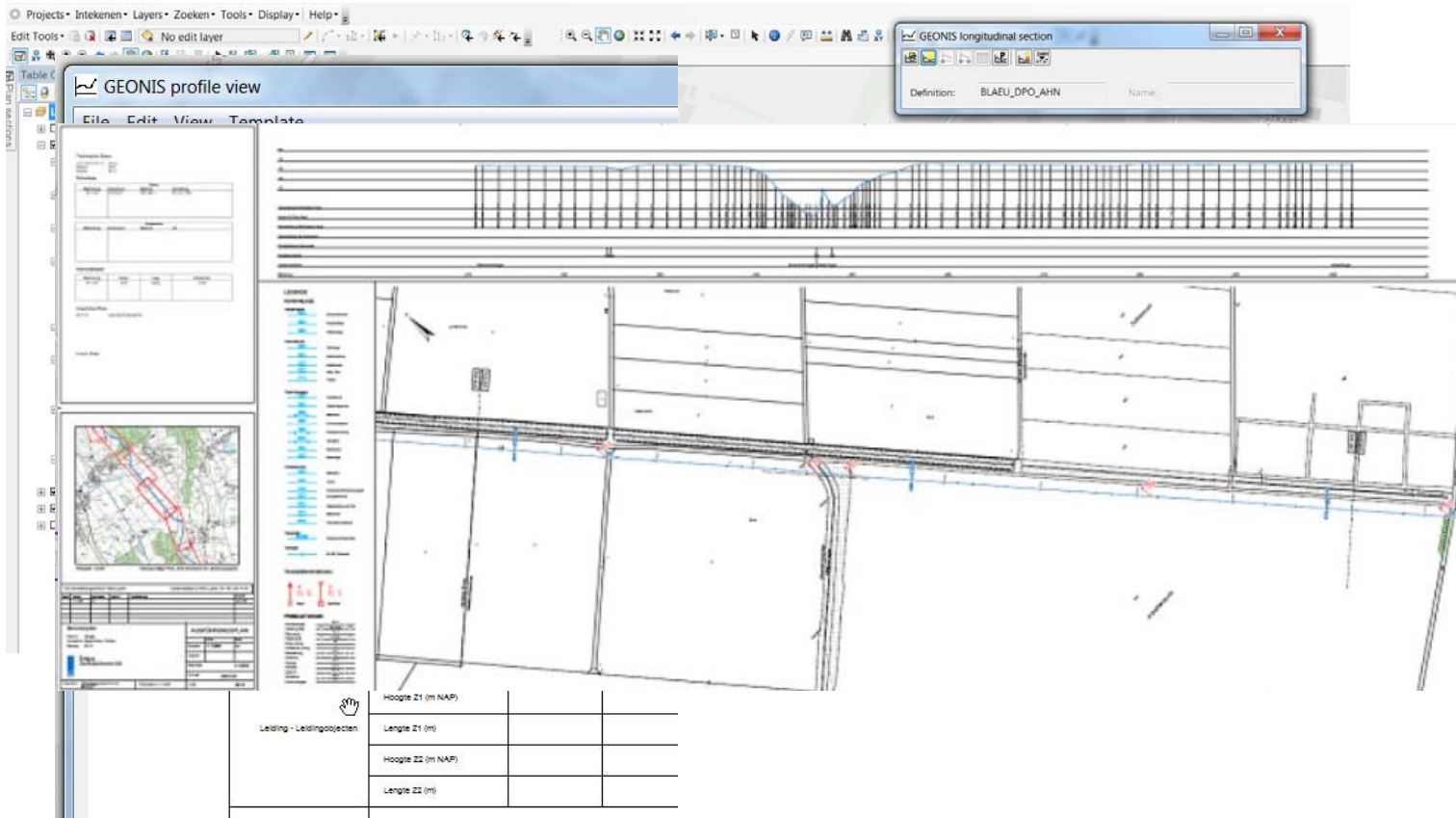


GEONIS server | GIS Functionality where it's needed!

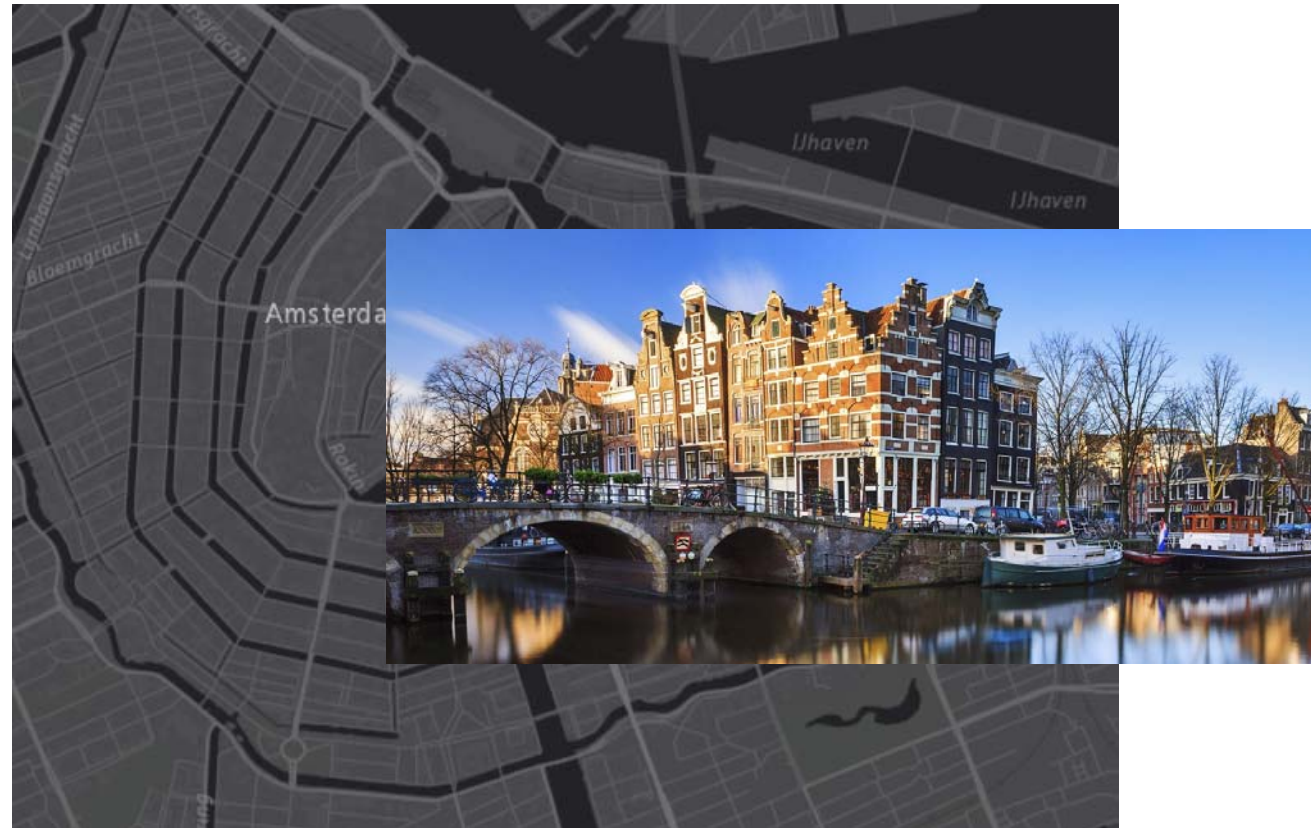
The Dutch situation

GEONIS Profiles

Profiles for Ministry of Defence

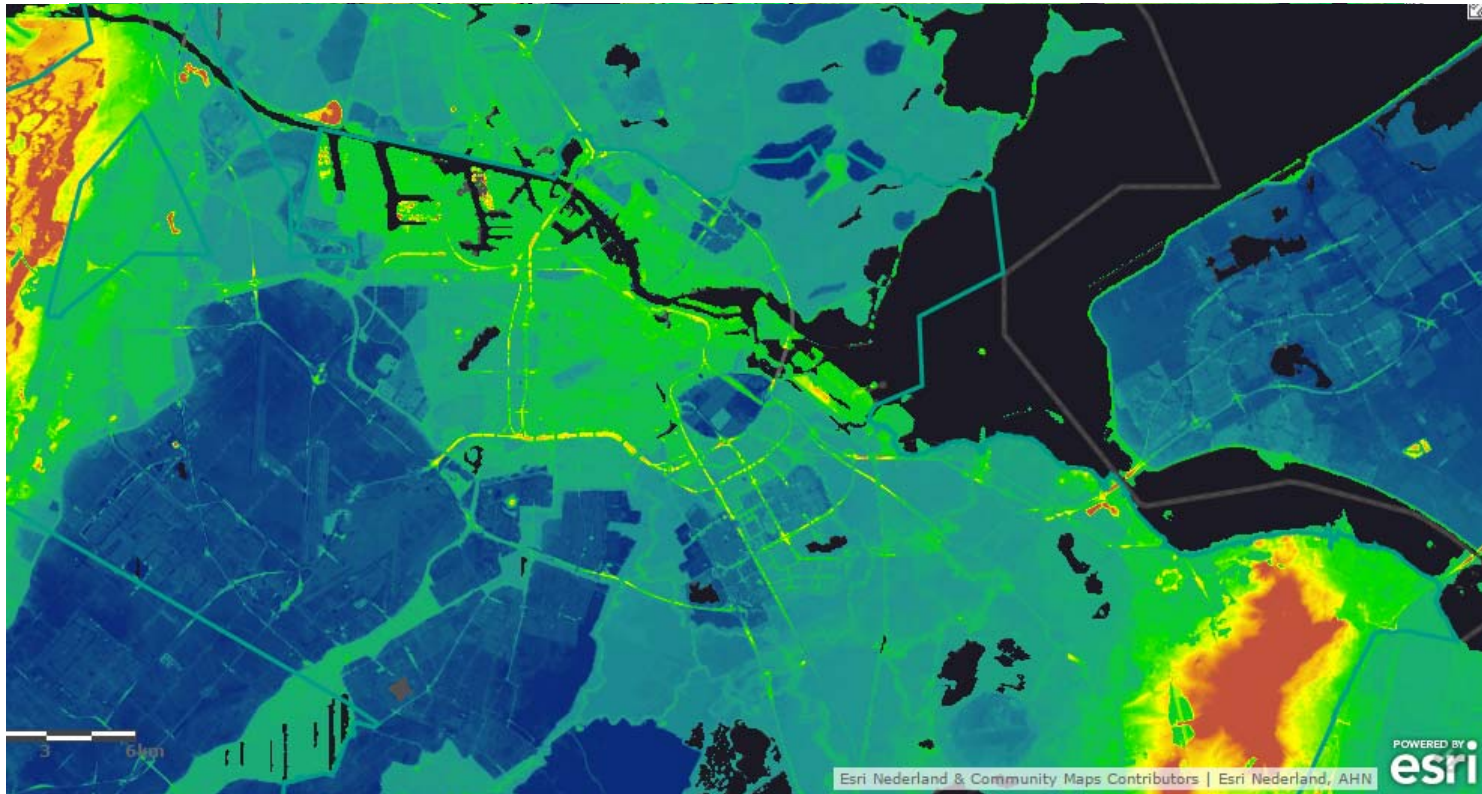


The challenge



Esri, HERE, DeLorme, INCREMENT P, NGA, USGS | Esri, HERE

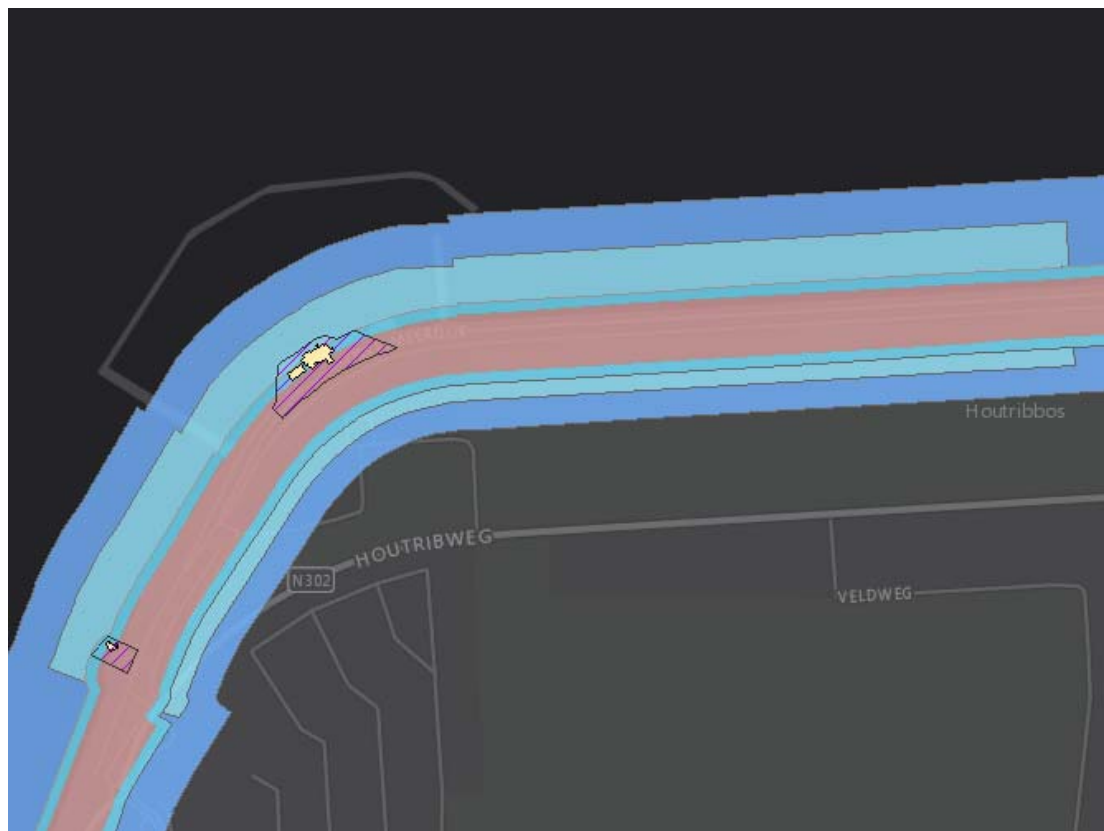
The challenge



Water authorities



Legislation



Esri Nederland, AHN | Esri, HERE, DeLorme, INCREMENT P, NGA, USGS | Esri, HERE

Dyke stability

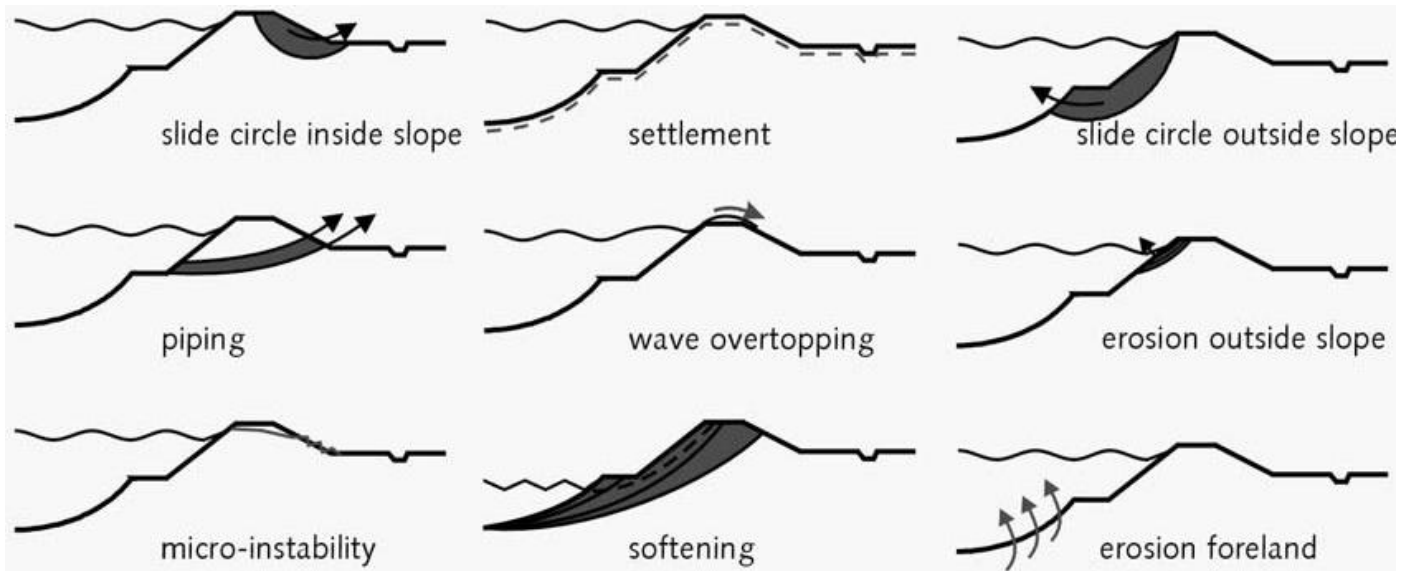
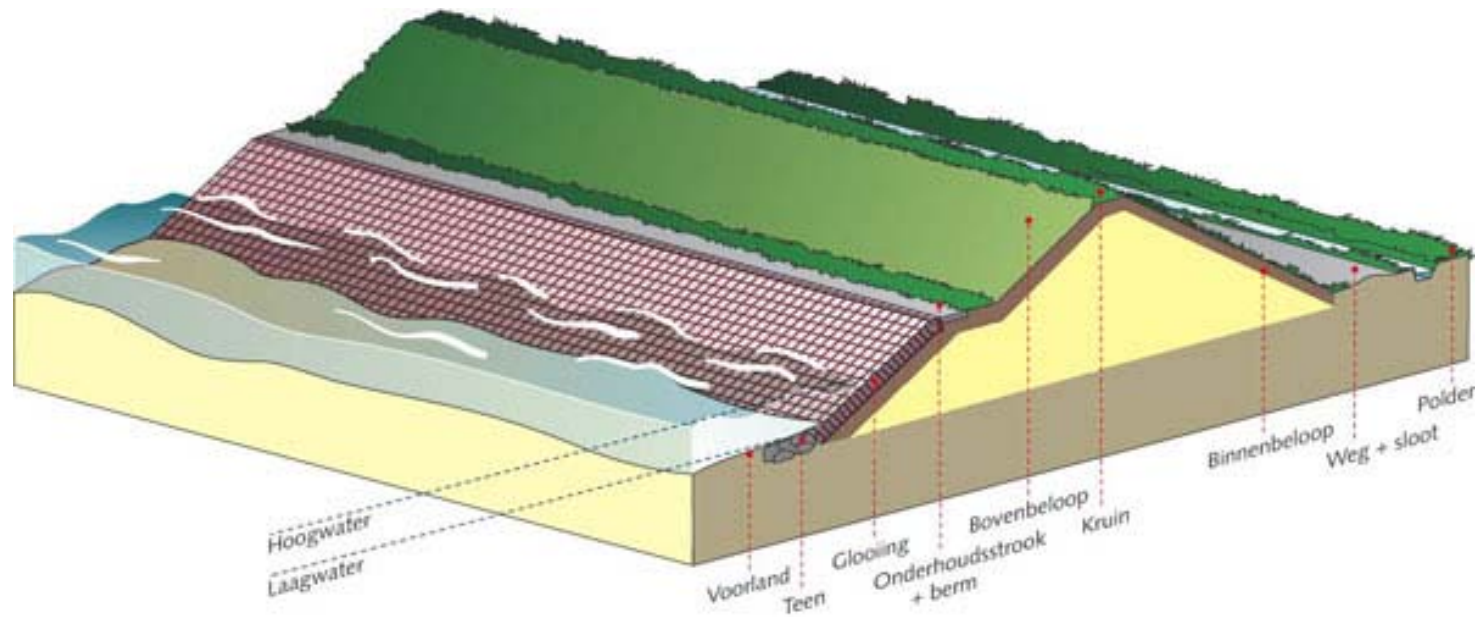


Image courtesy: Deltares

Profile of dykes



Geodatabase

Dijkvak

File Edit View Data Help

✓ ↺ ↻ ⏪ ⏩ 1/1 ⏴ ⏵ 🔍 📄 📁 📧

Naam

Soort

Type

Opmerking

Toestand

Status gegevens

Beheersvorm

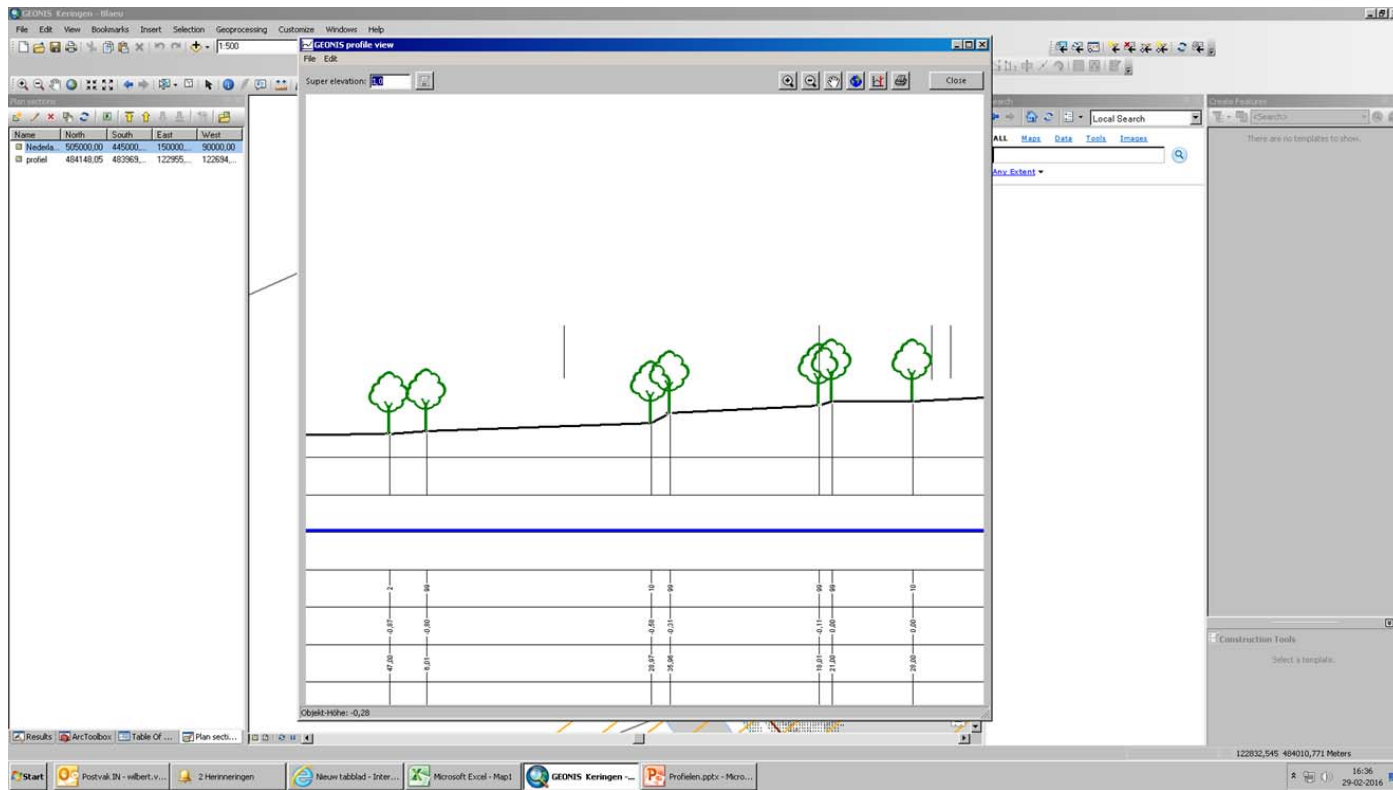
Code

Geom. lengte (m)

Status Leg. Profiel Beh.profiel Onderhoud Document Metadata

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Functionality



Added value

- Everybody has easy access
- Profiles are generated from data in real time
- Single authoritative source
- Cross platform
- Interactive view
- Export to different formats

What's next for Waternet?

- Drinking water
- Sewer

- Migration to ArcGIS Pro
- Publishing to GEONIS Server



Thank you!

Many thanks to Waternet for contributing

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