Asset information management

Waternet on the road to a data driven organization
Who are we?
Clients

Municipality Amsterdam
- Sewage
- Groundwater
- Drinking water
- Nautical & waterway management

Water board Amstel, Gooi en Vecht
- Dykes
- Water level
- Surface water
- Waste water treatment

WaterNet foundation
Structure in the data for the information products
From structured data in our data sources

Asset management

- Strategic planning
- Portfolio management
- Design & engineering
- Realisation
- Operate
- Monitor environment assets
- Maintain

- Process Automation
- Enterprise Resource Planning
- Building Information Model
- Geografic Information System
- Enterprise Asset Management

Model standards

Systemen & databronnen

Classificatie: Intern
to processes where informed integral decisions are made for the accomplishment of our objectives
The Integrated Digital Twin Dream

Source: RHDHV
moving towards the digital twin for Circular Asset Management
Becoming circular

• By 2030 half of our resources is no longer virgin materials

• So, we need to get this from either the market, or reuse our own resources.

• Started doing this with a Wastewater Treatment Plant
Destruction & repurpose of wwtp

Calculating amounts of reusable materials:
- Takes time
- End up with rough estimations
- Not easily put on the market
Underground pipe network digital twin

- End of life data
- Amounts of reusable material
- Project planning

Efficient, reliable way of connecting supply and demand
“It’s really hard to design products by focus groups. A lot of times, people don’t know what they want until you show it to them.”
— Steve Jobs

“If I had asked people what they wanted, They would have said faster horses.”
— Henry Ford

“Change is the law of life, and those who look only to the past or present are certain to miss the future.”
— John F. Kennedy
How do you look at data?
Or
the information shown?

The story behind the data is perhaps more important than the data itself.
Or
rather, the reason why we miss certain data may be more significant than the data itself.

Abraham Wald, mathematician