

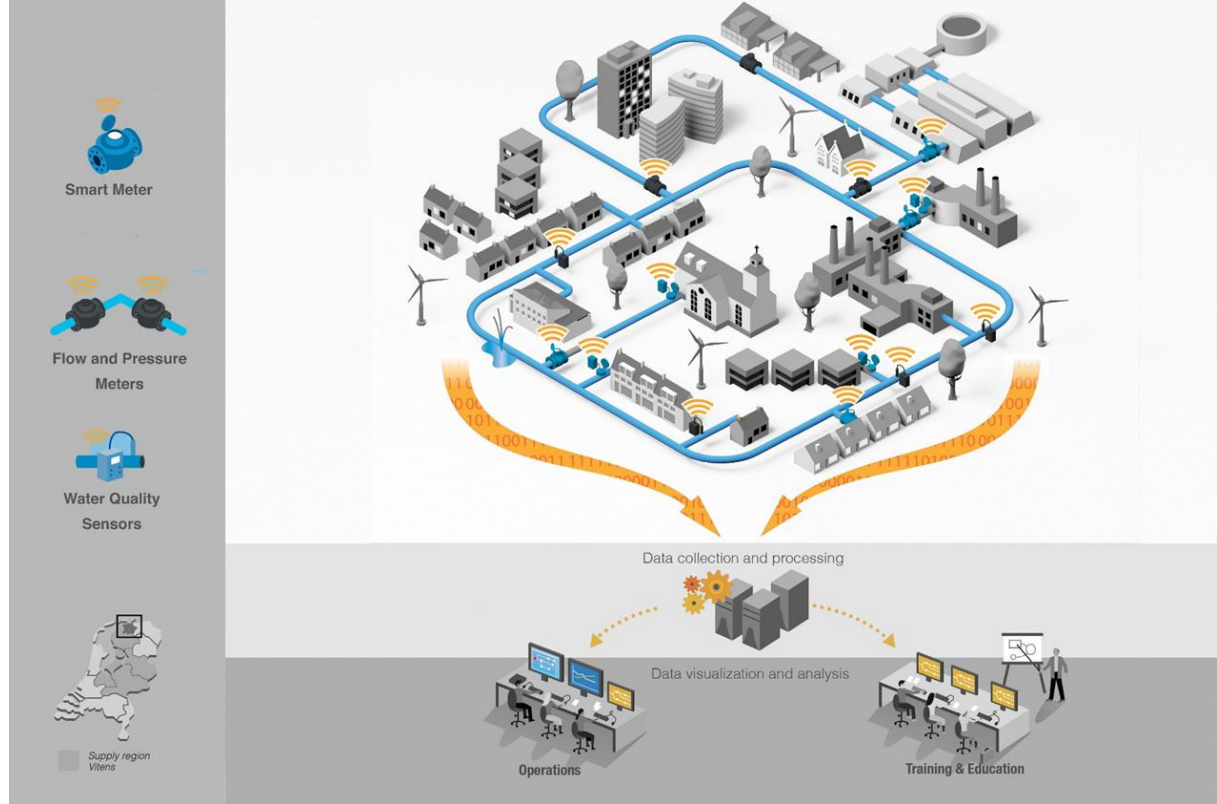


# SMART Utility Networks The next step....

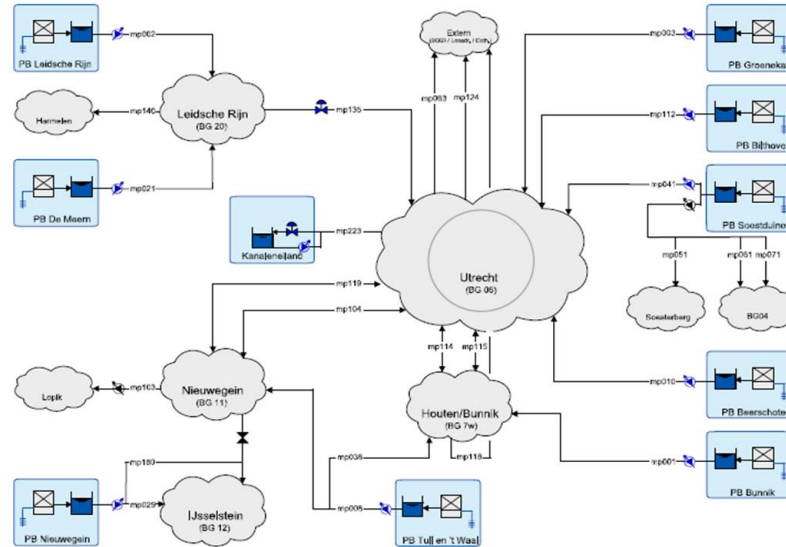
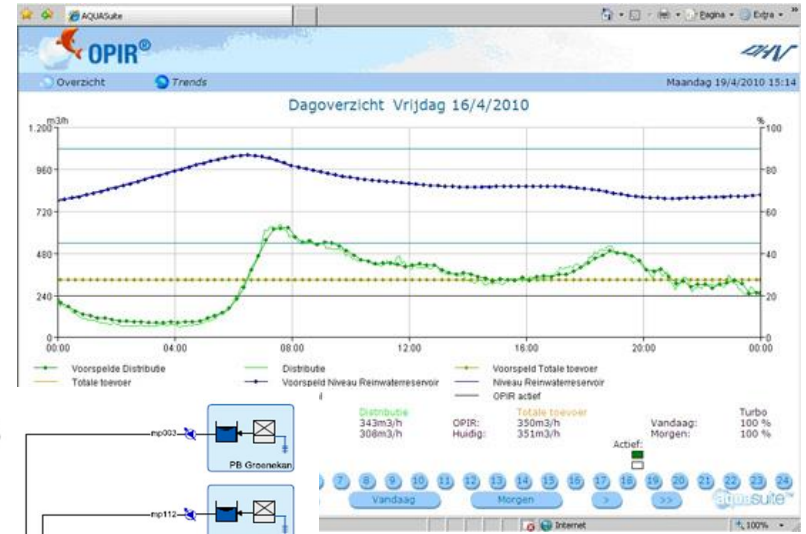
Eric Adamse - Vitens  
November 3th, 2017 - Amsterdam



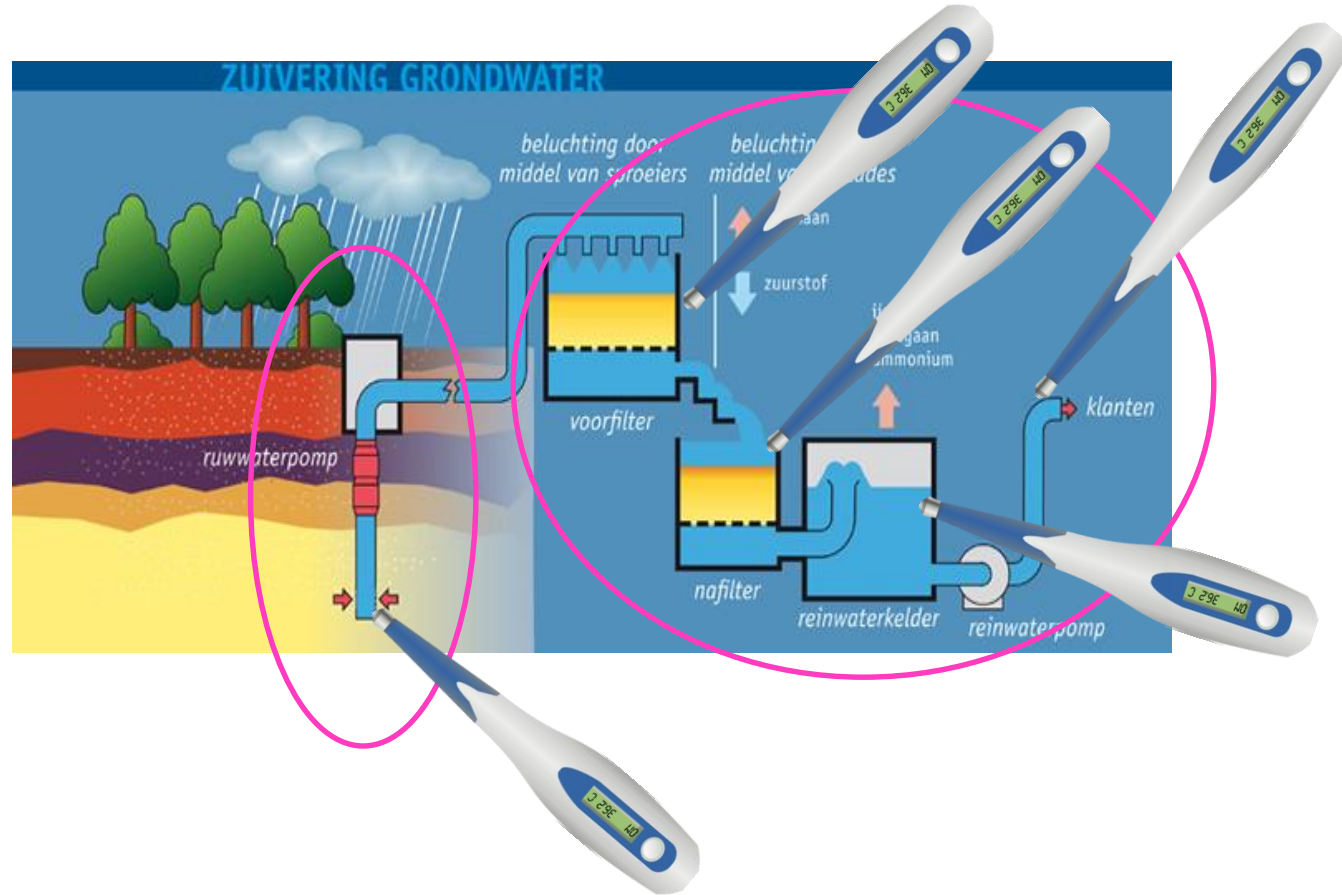
- Area Pressure & Flow & Quality Monitoring
- Sensing
- Data distribution
- Data Processing
- **Proces Automation**



- Predictive water demand
- Area Site Control
- Sensoring
- Data distribution
- Data processing
- **Proces Automation**



- Water Quality Control
- Laboratory Databases
- Sensoring
- Data distribution
- Data processing
- **Proces Automation**

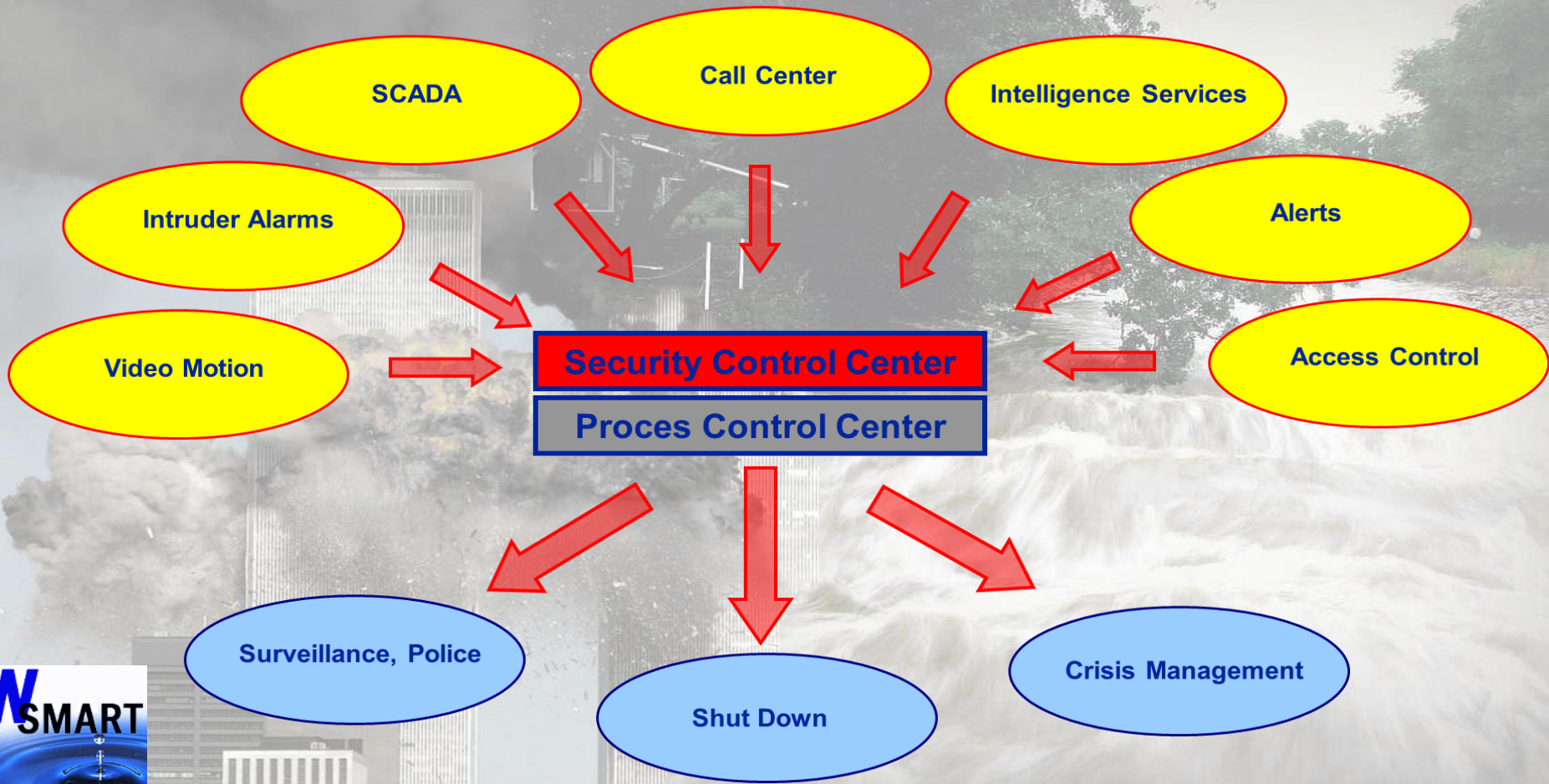


- Predictive Maintenance
- Sensoring
- Data distribution
- Data processing
  
- **Process Automation**







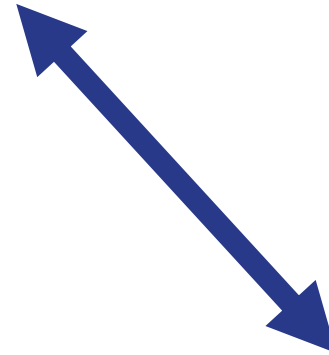
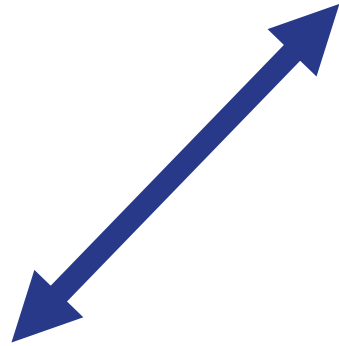








Benefits



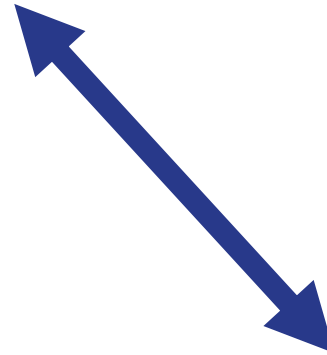
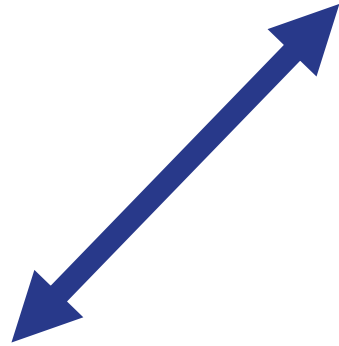
Costs



Risks

## Benefits

energy consumption  
water quality  
revenues



## Costs

investments  
maintenance  
human resources

## Risks

complexity  
available skills  
cyber threats

# Vitens

LAAT WATER VOOR JE WERKEN



Water Security Management  
Assessment, Research & Technology