

# altereo

30 years of consulting, engineering, IT and innovation



For High-Performance Water Utilities

# altereo

awakening environmental consciousness —

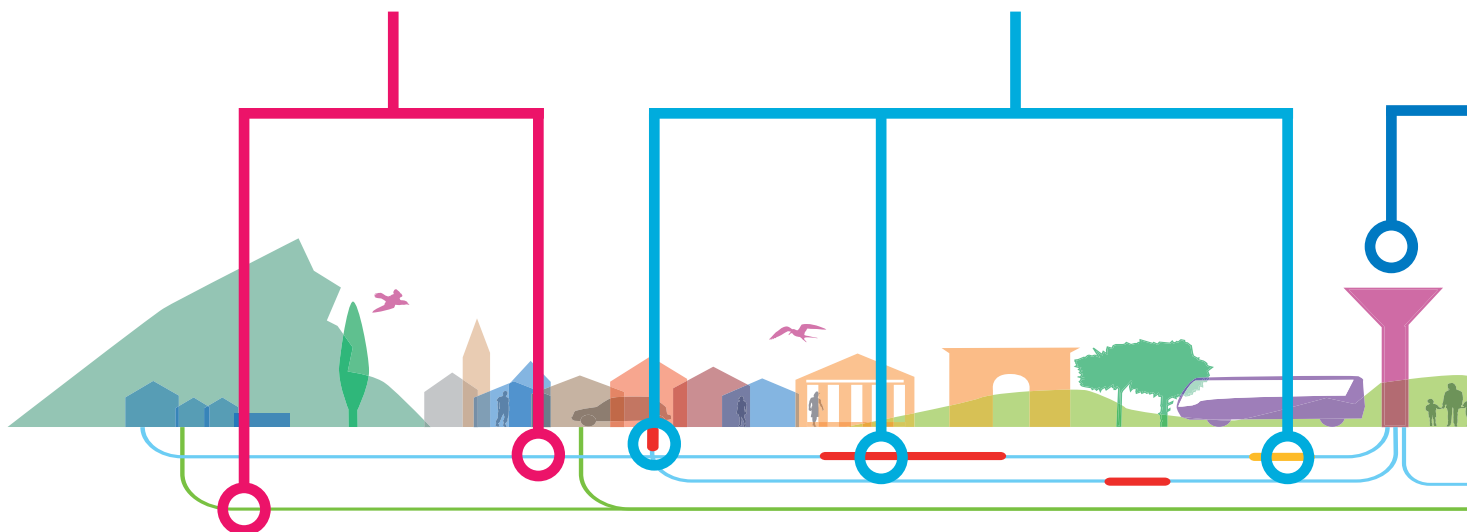


Geographic Intelligence  
Solutions



French National  
Grand Prize  
for Engineering

Smarter  
Asset Management



The path to sustainable performance

Ageing of technical assets, climate change, water resource scarcity, soil-sealing, energy transition, regulatory framework, demographic growth, rising expectations of populations for better-performing public services and improved quality of life are so many challenges public stakeholders have to face today.

Altereo's raison d'être is to conceive innovating paradigm-shifting solutions and provide high-level technical assistance to take our clients from

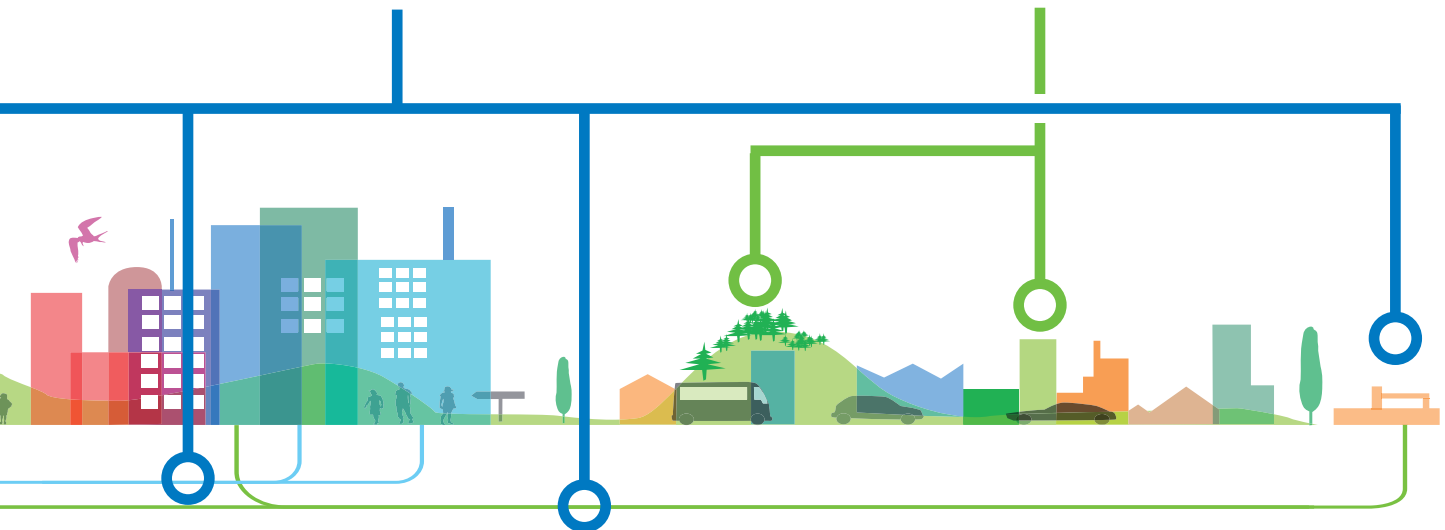
ideas to behavior



Performance-oriented Water  
Engineering



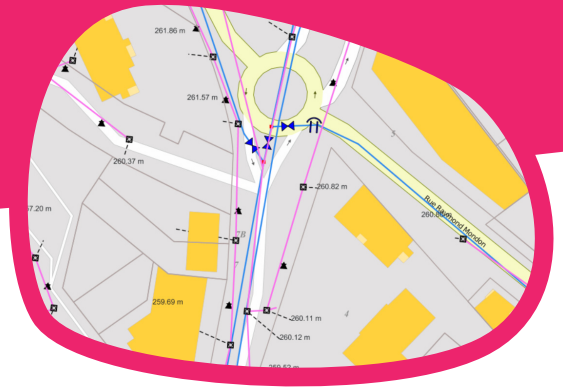
Sustainable Development  
for Cities and Territories



of water utilities and cities



# Geographic Intelligence Solutions



## The GIS that makes your city simple

Access your GIS directly on the Web for display AND editing  
Maintain control over your data



## Our solutions

- Water utilities
- Electricity utilities
- City and land management
- And everything else, through our user-friendly data model and workflow conception toolbox

## Your benefits

Simplicity of Software as a Service (SaaS)  
Fully technical universe for public utilities  
Ready for high-end asset management

## They trust our solutions

LYDEC Morocco, PPWSA Cambodia,  
SODECI/CFI Ivory Coast, ONAS Tunisia



# Smarter Asset Management



## Artificial Intelligence for Responsible Asset Management of your water networks

French National Grand Prize for Engineering



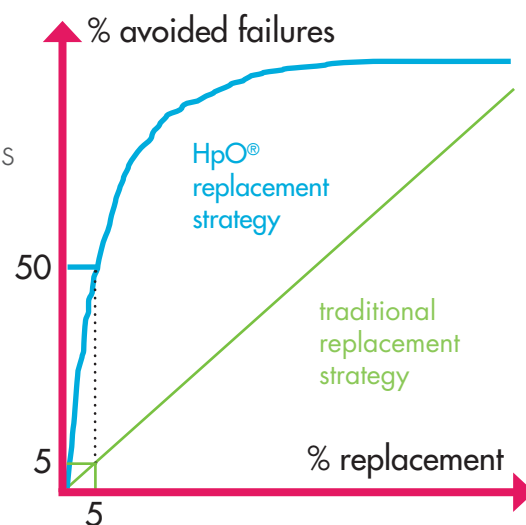
### Our award-winning innovation

- Optimises leak survey and detection
- Prioritises replacement of mains AND service connections

 **Reduce the number of leaks**  
**Reduce the duration of leaks**

**Network leak/burst data is essential for the AI**

Start capitalising with the **free HpO® Collect**  
mobile app and the **HpO® Viewer**



## Our credibility

Altereo has been a pioneer and leader in water infrastructure asset management for 30 years

The HpO® project is a laureate of the French Government « Investment for the Future » Programme

## They trust our solutions

Nha Trang (Vietnam)  
Chartres, Orléans, Tours, Limoges,  
Nouméa (France)  
Further R&D on Paris Greater Area



# Performance-oriented Water Engineering



## Operational audits, strategic planning and capacity building for High-Performance water supply and sanitation utilities

Network diagnosis and numerical modeling  
Non-Revenue Water and water demand management  
Master planning and feasibility studies

## Our breakthrough innovations

**KILWATER** *Green energy & pressure optimisation on water networks*  
Optimisation algorithms for turbine implantation on  
water networks for green energy production **and pressure regulation**

**SIRHYUS** *The power of satellite imagery for integrated water management*  
Assessment of large-scale crop water needs  
Determination of nonpoint source pollution pressure

## Your benefits

In-depth diagnosis leading to efficient strategies  
Precise action plans and investments programs  
Staff competency upgrade & optimised workflows  
Tools for continuous performance improvement

## They trust our services

EWA Bahrain, RADEEF Morocco,  
ADE Algeria, CAMWATER Cameroon





# Sustainable Development for Cities and Territories



Strategic simulation and decision-support approach for  
sustainable and resilient cities and territories

## Our breakthrough innovations



*for city and land-use*

Urban sprawl monitoring

Prediction of future land-use trends

Anticipation of water demand and infrastructure



*for biodiversity*

Optimisation of ecological networks corridors

Conciliation of infrastructure projects and green corridors

## Your benefits

Large-scale and long-term vision

Simulation and comparison of the impact of  
territorial policies

Integrated infrastructure and urban planning

## Our credibility

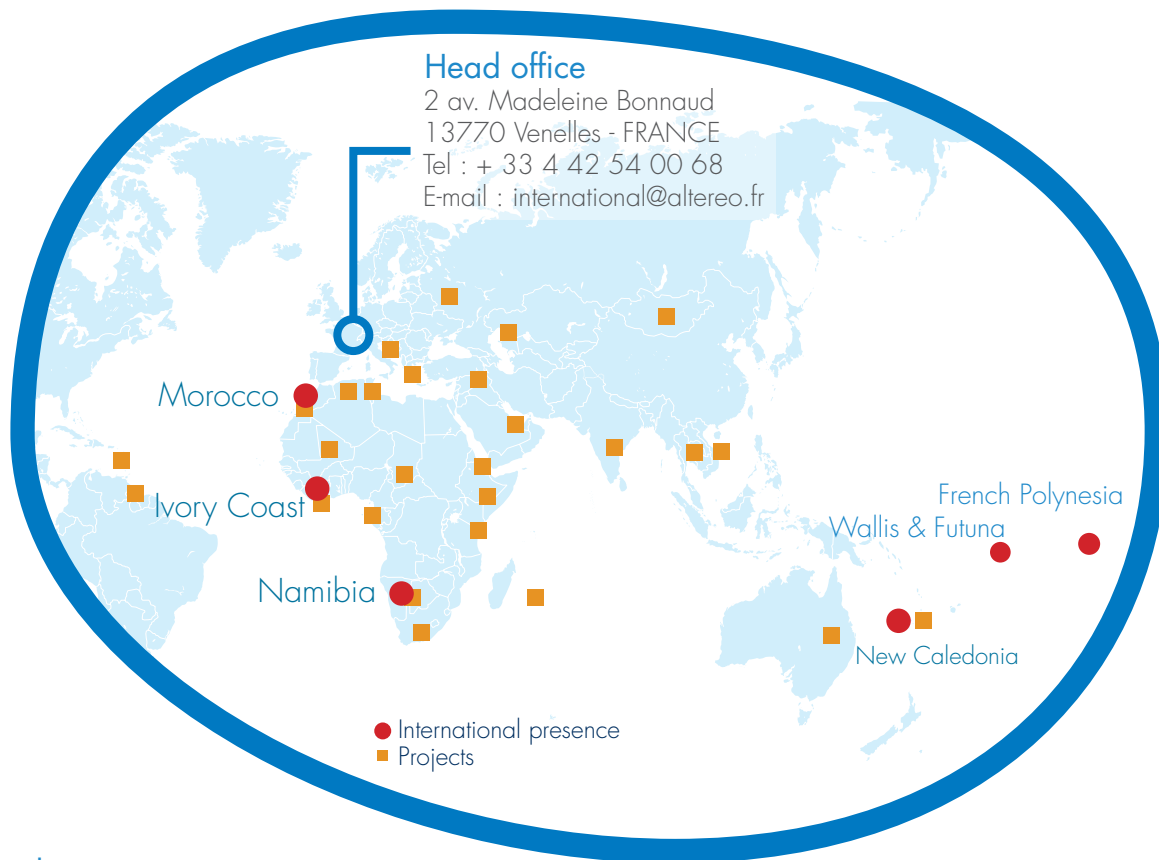
Both innovations are outcomes of R&D projects  
selected for funding by the French Government's  
« Investment for the Future » Programme

## References

Since 1989, more than 5000 cities and urban communities of all size have trusted Altereo.

Altereo operates across Europe, Asia, South America, Africa and the Pacific area.

Our mission ranges from rehabilitating infrastructures to optimising human, technical and management capacities.



## Main clients

Water/wastewater service providers (public/private), water basin authorities, government agencies, governments, NGOs, local authorities, industries, international funding agencies, engineering companies, land planning agencies, urban development bodies



[www.altereo.fr](http://www.altereo.fr)

