



Improving our water environment

Environmental management for the water sector

We can help you deliver projects with improved environmental outcomes, so you can meet some of the challenges posed by climate change, land use, population growth, water scarcity and development.

To mitigate the increasing pressure on the water environment, from many sources, we bring together our understanding of how the water sector works with the expertise of our technical teams to deliver outcome-driven measures that demonstrably improve the environmental performance of your organisation and projects.

We have responded to changing societal and political views relating to water and the environment, as well as changing development and economic pressures, by promoting sustainable management of our natural and cultural systems in a way that seeks to protect, maintain, restore or enhance them while generating economic and social benefits.

Halcrow has considerable experience in all aspects of water management, from strategic planning to project implementation. We have a reputation for developing innovative solutions by combining experience in engineering design and construction, in areas such as water treatment, flood defence, water supply, pipelines, dams and reservoirs, with expertise in the natural and cultural environment.

Our award-winning work has received recognition for its combination of multi-disciplinary skills, positive client and public relationships and the exceptional projects we have delivered.

Our approach

For each project, we aim to provide the most efficient and effective solution possible. We work with our clients to understand their needs and the needs of the project. This understanding helps us create a well-structured and focused approach that delivers improved environmental outcomes that are in line with the project's objectives.

Specialist project or programme managers assemble hand-picked teams from in-house experts in environmental assessment, landscape architecture, geomorphology, hydrogeology and hydrology, water resources and quality, contamination, acoustics and air quality, archaeology, ecology, land-use planning, flood-risk planning and sustainability.

Our services

We have a long history of working with a wide range of clients within the water sector: government agencies and organisations, public utility providers, international finance institutions, non-governmental organisations and private developers and landowners.

Our environmental, planning and engineering teams are located around the world, able to meet your needs wherever you are based.

Environmental services for this sector include:

- strategic environmental assessment
- planning and sustainability appraisal
- economic appraisal
- environmental impact assessment
- flood risk assessment and sustainable drainage
- water resources planning and low flow studies
- water cycle / environmental infrastructure studies
- river and wetland restoration and habitat creation
- energy, waste and resource efficiency studies
- stakeholder participation and consultation

Delivering value – case studies

■ International finance institutions: trans-boundary co-operation in water management

We are enabling cross-border co-operation and providing tools for river-basin management in:

- the Danube basin: wetland conservation and river restoration in Slovenia, Hungary, Romania and Moldova
- the Mekong Delta: technical assistance to the Mekong River Commission to deliver river-basin management tools and a water-share agreement

■ Environment Agency frameworks

Halcrow is the largest supplier of consultancy services to the UK's Environment Agency, delivering environmental services and solutions in:

- flood risk management
- strategic environmental assessment
- environmental impact assessment
- river restoration and habitat creation
- water level management plans
- policy development and implementation
- research and development
- water resources planning



Restoration of the River Kennet, Barton Court

■ Responding to the Water Framework Directive

We helped Natural England to develop its responses to the UK's Water Framework Directive. Feedback from the Environment Agency about this work included, "I have really enjoyed working with you again on protected areas and the Water Framework Directive and I think that the work you have been doing with Halcrow support has been visionary and exemplary. Really impressive."

■ Water utilities – environmental outcomes

We have recently worked successfully with:

- Thames Water and South East Water delivering solutions to low flows in chalk catchments
- Wessex Water developing a strategy for river restoration
- South East Water, Thames Water and Scottish Water ensuring the safety of protected species does not delay improvement programmes
- South East Water and Southern Water to helping gain planning permission for capital projects
- Scottish Water to deliver abstraction and discharge consenting



Floodplain forest, River Prut, Romania Moldova border

Contact us

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