



Securing investment for the future

Sourcing funds for flood risk management projects

Halcrow's experience in investment planning secures the funding and delivery of integrated flood risk management infrastructure.

Evidence of informed investment planning is now an essential requirement for local authorities and the Environment Agency when seeking funding for flood risk management infrastructure.

We create integrated, long-term investment plans that bring together the responsibilities of flood risk management partner organisations, as well as their diverse business objectives and capital investment programmes. These plans provide the robust evidence that sources of funding, such as developers, regional development agencies and community groups, need to see before they will fund a project.

Once funding is secured, local authorities can move forward and meet their flood risk management obligations.

Our approach

Our starting point is always to understand the needs and aspirations of the client.

With that in mind, the success of our approach is based on our ability to produce a sound business case for a project, as well as the technical solution needed to deliver it.

With funding coming from multiple sources, added to the often complex nature of infrastructure solutions, we find that partnership working is the best way forward. Our clients have welcomed this approach, which leaves a full and transparent audit trail throughout the process.

The project team combines best-in-class engineers with investment planners. Together, they provide credible evidence that supports the need for the project, including the benefits to be enjoyed by potential investors. In parallel, we develop the engineering and environmental solutions for delivering the infrastructure scheme.

The team will also help to identify potential sources of funding and the best way to approach those sources.

Our services

- investment prioritisation modelling
- reviews of available funding
- reviews of regulatory requirements
- development planning
- evidence-based development plans
- business case justifications
- detailed investment scenarios for partners
- investment planning with scheduled action plans
- lobbying support
- deliverable, sustainable and innovative solutions for flood risk management

Delivering value – case studies

■ Alkborough Flats

An example of our success in supporting the sourcing of external funding for flood risk management for the Environment Agency is the inter-tidal scheme at Alkborough Flats. The project needed to meet the requirements of several European Union directives as well as compensate for tidal defence works elsewhere on the Humber Estuary.

The scheme contributes to flood risk management on the River Humber, protecting communities, ports and industry in places like Hull, Immingham and Grimsby. We worked closely with the Environment Agency and its partners, North Lincolnshire Council and Natural England.

This award-winning scheme, with a capital cost of £11 million, benefited from funds from the Department for the Environment, Food and Agriculture, the Capital Modernisation Fund, Yorkshire Forward, the Heritage Lottery Fund and the European INTERREG programme.

■ Environment Agency long-term investment strategy

Halcrow has been working with the Environment Agency to develop its long-term investment strategy for the provision of flood and coastal erosion risk management.

Supporting the Environment Agency from the outset, we have developed tools that provide forecasts for a number of policy options so as to assess the implication for expenditure and the residual risk to the country. These policy options can be combined to assess different flood risk scenarios, providing the first direct link between policy, expenditure and risk at a national level.

The expenditure analysis tool was developed by us in-house and provides whole-life expenditure profiles, taking into account maintenance costs, possible new-build projects and variation in data.

Chief executive Dr Paul Leinster praised the quality of the work and our ability to meet tight project deadlines.

Our work now forms a core part of the Environment Agency's long-term investment strategy and will be central to the strategy's future development.

■ Hull flood risk mitigation plan

This study provides an investment programme for delivering integrated solutions that will mitigate flood risk for the city of Kingston-upon-Hull.

The project is designed to deliver a robust and credible framework for long-term delivery of flood risk management infrastructure. Informed integrated long-term investment planning will provide a fully justified business case for funding infrastructure improvements.

Sound infrastructure provision underpins the regeneration and development of a city, so a focus of the project is early implementation of works to restore investor confidence in the city.

A key objective for this study is to ensure that plans for flood mitigation infrastructure complement the emerging local development framework for Hull City Council and the East Riding of Yorkshire Council. The investment plan recognises the shared responsibilities of partner organisations, as well as their own business aspirations and planned capital investment programmes. Ultimately, it provides an integrated long-term approach for securing investment funding.

Contact us

- **Katherine Pygott – Leeds**
tel +44 (0)113 220 8220
email pygottk@halcrow.com
- **Sherryl Bellfield – Cardiff**
tel +44 (0)29 2072 0920
email bellfieldsl@halcrow.com
- **Oliver Clegg – Swindon**
tel +44 (0)1793 812479
email cleggo@halcrow.com

For your nearest Halcrow office, visit halcrow.com