

Baird.

our story

Founded in 1981, our mission is to provide the best in engineering and science in coastal, riverine, estuarine and ocean environments. Baird is one team worldwide, dedicated to bringing our clients our expertise and passion on every project. Baird is built by innovators, pioneers and visionaries who proudly and consistently serve our clients with professionalism, dedication, and creativity. Our team is always looking for new opportunities to help create a better future for our coastal resources and communities.



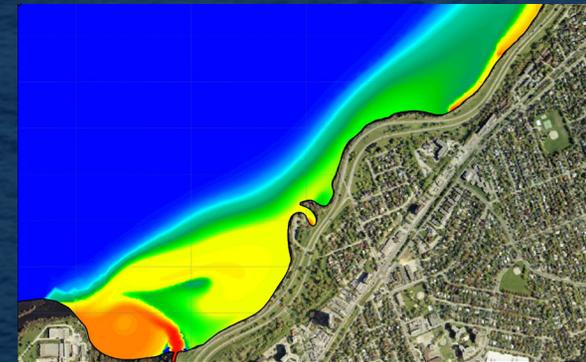
coastal & river environmental

Baird solves the environmental challenges our clients face in any aquatic system. Our expertise focuses on water quality, sediments, contaminants, and habitat restoration in freshwater and marine environments. Our services include: water quality protection, forensic studies, erosion and sedimentation, climate change adaptation, and watershed and coastal zone management.



ports, terminals & vessel operations

Integrating leading-edge science into the engineering design process provides a comprehensive understanding of the marine environment, project functionality, key risks, and cost factors. Baird's services include: dredging management, operational simulations, moored ship response modelling, mooring layout, port capacity assessment, marine terminal layout, and construction management.



coastal & marine structures

Planning, design and construction of coastal structures is a site-specific and challenging process considering functional requirements, long-term durability and potential impacts on the surrounding environment. Baird has an international reputation for designing the full spectrum of structure types and a significant portfolio of repair/rehabilitation/upgrade projects.





metocean studies & offshore renewable energy

Baird supplies meteorological and oceanographic analysis and interpretation to define the impacts for coastal projects, assets, and operations. Our modelling expertise ranges from global wind and wave models to small, high-resolution studies in complex regions, including tropical cyclones, tidal and estuarine systems, tsunami simulations, and climate change scenarios. Our fieldwork and remote sensing skills are integral to our approach, and they are essential to our analytical services and to developing and validating high-quality models.

waterfronts, marinas & resorts

Baird specializes in planning, design and implementation of resilient amenities for recreational, urban and commercial waterfront sites. We design waterfront revitalizations, shoreline protection, beach developments and recreational marina facilities, shoreline parks, and promenades. Our clients include government agencies, private corporations, Indigenous communities, and individual residents.



shoreline & coastal restoration

Baird understands and works with nature to develop and implement innovative, sustainable and cost-efficient coastal restoration projects. Our services include beach design and construction, traditional Grey and emerging Green approaches to shoreline treatment, and marsh and ecosystem restoration projects that blend with nature. We also assist clients with preparation of cost estimates, plans and specifications, bid packages, and construction oversight.



hazards, risk & resilience

Baird uses quantitative hazard, risk and resilience assessment to mitigate exposures facing the environment, communities, and infrastructure. Baird evaluates flood and erosion hazards associated with extratropical storms, hurricanes, cyclones, storm surge, rainfall, wind, tsunamis, and sea level rise. Our clients include insurance sector, ports and terminals, and public and private sector managers of coastal and riverine facilities and infrastructure.



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Innovation Engineered.