



CONSULTING ENGINEERS
& SCIENTISTS

Baird

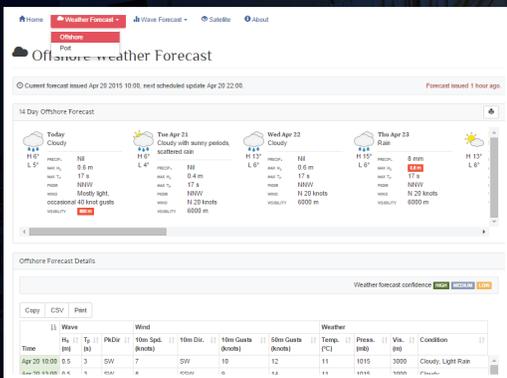
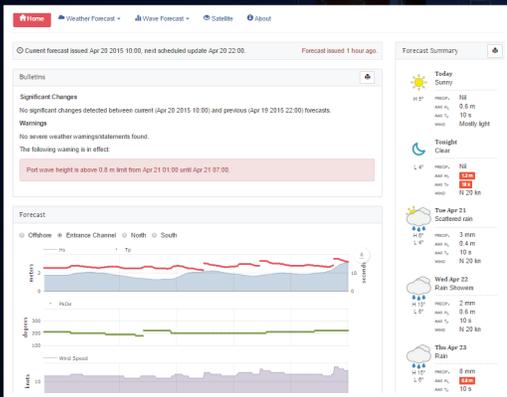
WAVE AND WEATHER FORECASTS

SUPPORTING OPERATIONAL DECISIONS FOR SHIP NAVIGATION

Bringing a 250 m³ LNG carrier or 400,000 DWT dry bulk carrier into a berth safely can test the skills of the best mariners. Yet that's the reality for members of the marine shipping and LNG industries who are faced with these and other challenges on a daily basis:

- An uninterrupted multi-day window of mild weather and wave conditions is often required for cargo to be transferred safely.
- Local site-specific weather and marine condition forecasts are rarely available, especially for remote sites.
- Public forecasts rarely contain the information needed to make critical decisions concerning loading and unloading activities.

Towards a solution: Site-specific, navigation-friendly support for operational decision making



Making critical decisions with confidence requires access to easy-to-understand yet highly reliable wave and weather forecast information at multiple scales.

Combining our many years of unique expertise, RWDI & BAIRD have joined forces to develop a one-of-a-kind system designed with this need in mind.

Ships captains, pilots, harbourmasters, schedulers, etc. can now gain access to multi-day, port-specific wave and weather forecast information based on some of the most advanced numerical models available.

SYSTEM HIGHLIGHTS

- 15-day, site-specific, wave and weather forecasts
- Multiple forecast locations (offshore, entrance channel, port)
- Robust, user-friendly web interface
- Simple dashboards plus access to complex analytics
- Automated alerts when wind and wave thresholds exceeded
- Multi-scale wave surface and spectral energy plots
- Satellite imagery for visible water and fog conditions
- Wind gust forecasts at multiple heights

Want to reduce uncertainty, increase safety, and take the guesswork out of scheduling loading / unloading activities?

Contact us to learn more about how to transform your current operations.



Complicated Issues Made Simple

WWW.RWDI.COM

RWDI enjoys a trusted, 40+ year international reputation for solving complex environmental and engineering challenges with deep knowledge and sophisticated yet practical solutions.

- Privately held Canadian consulting engineering and environmental services firm
- Established 1972
- Supporting local clients on a global scale
- Multidisciplinary staff of 400+
- 15 offices in 6 countries on 3 continents
- RWDI's experts bring unique expertise and exclusive methods and equipment to develop solutions to weather and climate related engineering challenges world wide
- Developers of custom weather forecast and decision support systems for industrial, municipal, provincial, and federal government clients in Canada and abroad
- Involved in developing Canadian and international building codes for snow, wind, and structural design
- Other areas of expertise include air quality, hazard and risk, noise and vibration, geoscience, and greenhouse gases

Baird High Stakes Engineering

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Where water meets land, you find environmental forces hard at work. You also find Baird. From planning, to science, to design and construction, we balance the forces of nature with the needs of stakeholders.

- Privately held Canadian consulting firm specializing in river, coastal, and port engineering
- Established 1981
- Supporting local clients on a global scale
- More than 90 talented, engaged individuals
- 9 offices in 6 countries on 3 continents
- By incorporating leading-edge science into the engineering design process, Baird develops world-class, innovative solutions where water meets land
- Baird boasts a unique ability to help clients solve their most complex challenges
- Baird has established an international reputation for creative planning, design and engineering excellence related to ports and marine terminals
- Advanced numerical and physical modelling tools are used to define marine conditions, predict ship motion, simulate ship navigation, and understand port capacity

