

CONSULTING ENGINEERING

Beach Wagner

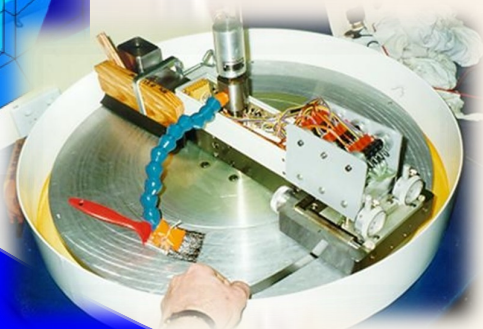
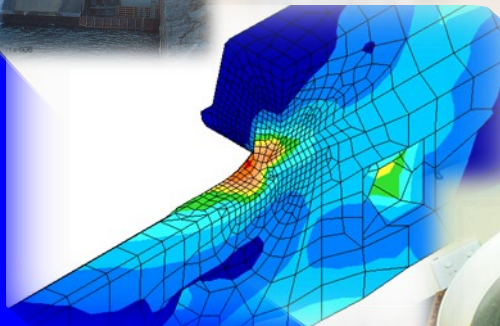
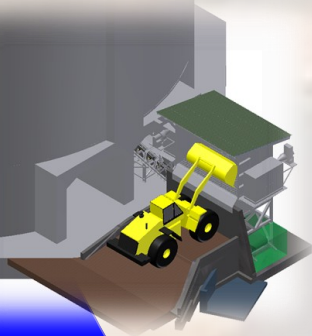
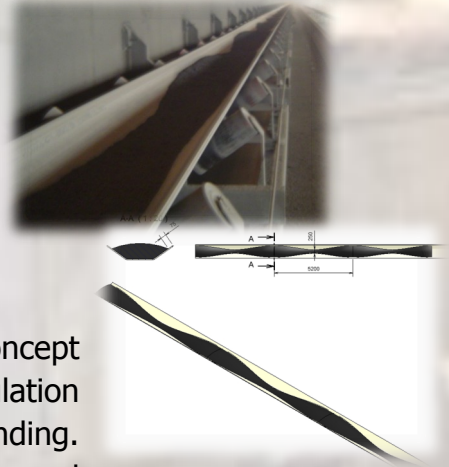
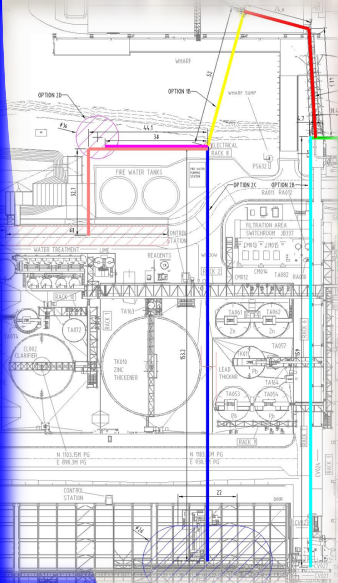
Engineering Consultants

Beach Wagner Pty Ltd provides engineering consulting services to a wide range of industries and applications. These services range from the solution of bulk conveyor transfer spillage issues to design audits and verifications of specialised equipment to generation of optimum layouts for new and existing material transfer applications.

In our investigative, verification and concept generation projects, we begin with classical calculation methods to quickly arrive at a ball park understanding. Further refinement and verification is then performed using increasingly detailed analyses taking advantage of the latest in computer based, numerical analysis tools including conveyor modelling, finite element analysis and heat transfer software packages. Where further information or physical verification is required, strain gauging, prototyping or dimensional analysis and testing is performed. This tiered approach is designed to arrive at a professional, workable and time and cost effective solution for our clients.

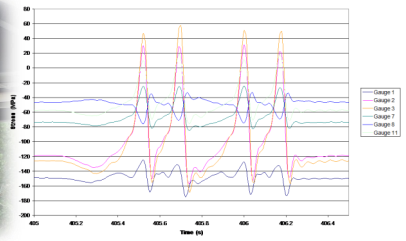
Our virtual testing regime includes process flow, strength, deflection, stress concentration, fatigue, impact, dynamic, impact and heat transfer to quickly identify areas of concern.

Beach Wagner is a boutique consultancy, and as such offers the advantage of minimal 'red tape' and administrative hurdles throughout the process. With us, you are dealing with a principal consultant at all times and can rest assured that your project is receiving the finest technology and experience at our disposal.



Engineering Your Materials Handling Solutions

CONSULTING ENGINEERING



Engineering Solutions, Verifications and Investigations

- Concept development of optimum system for cyanide bag to bulk facilities to facilitate cost-effective international transport.
- Design verification and manufacture optimisation of coffer dam structure for hydro-electric power station.
- Experimental research into relative performance of synchronously loaded, hydrodynamic thrust bearings.
- Feasibility report for reversing a conveyor system to permit unloading of a toxic metal ore transport barge.
- Generation of cost effective concepts for reinsertion of concrete clinker into existing conveyor and bulk storage system.
- Generation of productivity improvements bulk storage / stacker-reclaimer / conveyor system / ship loading system for industrial metal ores.
- Mechanical design verification of self-propelled, translating and hydraulically extending bridge services maintenance access platform.
- Third party design verification and economy of manufacture design recommendations for new truck mounted vacuum pressure vessel.
- Product line optimisation of a relocatable, troughed belt conveyor arrangement subject to varying wind, personnel traffic and material spillage loading.
- Optimised beef abattoir layout for minimum land use, concurrent installation with ongoing plant usage and to re-use existing carcass handling equipment.

Our Solutions

Beach Wagner will address your particular challenges with pragmatism, timeliness and cost effectiveness. Call or email us now to discuss your application.



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