

## Australian Miscellaneous Projects

*Listed below are some of our recent projects using the “Modified Shock Testing” system.*

*These are Australian projects and do not include any of the 5,000 piles tested throughout Asia ash year.*

<b>Year</b>	<b>Client</b>	<b>Location</b>
2000	BHP-Products Alcoa of Australia Mahaffey & Associates Melbourne Water	Testing of tie rods for the Coke Ovens Investigation into machine foundations in the power station Bridge testing, Taree Testing of drains for the Sandbelt Strategy
1999	Fisher Stewart Ancon Beton Melbourne Water Melbourne Water Melbourne Water Fisher Stewart Melbourne Water GHD Lendlease Remedial Engineering Vertigo Specialist High Access	Testing of a concrete drain in Hoyt Street, Brighton Condition survey of the Tod River Dam Tunnel Drain testing to Lynch Road, Fawkner Drain testing to Cowderoy Street Main Drain Drain testing to Yanakie Crescent Drain Testing of a main outfall sewer Sand belt strategy testing Testing of Murrumbeena Main Drain Testing of Neerabup Ground Water Treatment Plant Trial testing of tram poles Façade testing to buildings in Seattle, United States of America
1998	BHP BHP  CDL Consolidated (Vic) P/L Weathered Howe  GHD  GHD  City Elevators  Hyder Consulting  BHP  Westkon Pre-cast  GHD	Testing of tie rods to the Coal Handling Wharf, Whyalla, SA Testing of tie rods & structural elements in Coke Ovens and the TOP Building, SA  Location of piles below deep footings, Southbank, Victoria Micro seismic testing to determine structural condition of Ozone Tank, Seaworld, Queensland Seismic testing to determine structural condition of a concrete Sewer, Victoria Testing of concrete elements to a large underground tank, Victoria Testing of steel support beams for large escalators in the Myer Store, Brisbane Testing of cement/bentonite slurry wall for the City Link Project, Victoria Testing of large roller bearings on a Stockbridge Crane, Whyalla, South Australia Testing of stressing tendons to determine length of bonding post-tensioned concrete beams Testing of masonry sub-structure to a bridge over the Elwood Canal, Victoria
1997	Water Technologies VSL  Grocon Pty Limited  Concrete Constructions  BHP  Parks Victoria TNT-GeelongPort	Testing of box cell culvert for voidage in New South Wales Testing of post tensioned bars to detect loss of contact grout Sydney, NSW  Testing of masonry & concrete columns for the re-development of the Old GPO Building, Sydney, NSW Testing of basement to a carpark to determine voidage below the slab, Cairns, Queensland Testing of tie rods supporting a sheet pile wall; tie rods to the Coke Ovens & Holding Down bolts, Whyalla, SA Testing of steel sheet piles to the wharf at Queenscliff Victoria Testing of steel sheet piles to the wharf at Corio Quay, Geelong

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1996	Melbourne City Council	Void detection using infra-red survey and wall stability of a swimming pool, North Melbourne, Victoria
	Smorgon Steel	Dynamic assessment of a furnace floor and production of a repair strategy
	Port of Melbourne Authority	Dynamic assessment of a reinforced concrete beam, Long Island Point Jetty, Victoria
	Alcoa of Australia	Micro seismic testing of concrete plinths, Anglesea, Vic
	Theiss Contractors	Infra-red testing of an 8,000m2 concrete wall of a reservoir for The detection of voids, Perth, WA
	Koppers-Hickson	Micro seismic testing for the integrity of a concrete floor, Trentham, Victoria
	VIP Plumbing	Seismic location of an oil tank below a concrete floor, Toork, Vic
	BHAS	Detection of voids below a furnace floor, Port Pirie, Sth Aust
	Australian Water Technology	Void detection in the roof of a concrete box culvert, Fry's Creek Reserve, New South Wales
	Port of Brisbane Authority	Dynamic assessment of a wharf at Fisherman Island, Qld
1995	Remedial Engineering	Trial void detection of a tunnel, Geelong, Victoria
	Bunbury Water Board	Void detection of a reservoir concrete slab, Bunbury, WA
	John Holland Engineering	Complete void detection on ½ kilometre railway tunnel, Geelong, Victoria
	Vertigo Specialist High Access	Integrity of brickwork to the Shot Tower, Melbourne Central, Victoria
	Portlink	Detection of foundation for a warehouse floor, Port Melbourne, Victoria
1994	Melbourne Water	Testing and integrity of brick manhole before and after repairs
	GHD	Testing of timber columns for a railway bridge, Melbourne
	Bonacci Winward	Integrity and load capacity of a brick chimney, Melbourne
1993	Melbourne Water	Testing and integrity of two (2) brick sewers, Melbourne
1992	Maunsell Consultants/ETRS	Integrity and "E" values of brickwork, North Victoria