

## Steel Testing Experience - All ModShock™ tests

### Projects from 2000 onwards

Year	Client	Location & Details	Job Number
1990 to 2000	Port of Melbourne Authority GHD  Transfield-Obayashi JV  Geelong Port Authority Remedial Engineering Remedial Engineering John Holland Group Geelong Port Authority  Walker/Multiplex GHD-MacKnight Transport SA OneSteel Hazel Bros. Bovis Lend Lease Kinhill Pty Ltd	Steel pile testing to mooring dolphins at Crib Point, VIC Steel pile testing to the Point Wilson Jetty, VIC Investigation of piled foundations and stability of reinforced concrete abutments to 2x bridges; Gardiners Creek and Wallace Crescent Underpass, VIC Pile testing and dynamic assessment of a dock using DBTS, Point Henry, VIC Steel piles, Bell Bay, TAS Steel pile test, Port Giles, Port Pirie and Wallaroo, SA Steel pile testing of the ICI Bridge, Rockhampton, QLD Steel sheet piles to a wharf, Geelong, VIC Steel pile testing of 100+ piles at Woolloomooloo Wharf, NSW Steel sheet piles to Victoria Dock Wrought iron piles Steel tie rods to wharf, Whyalla, SA Steel pile testing, Bruny Island, TAS Steel piles on a wharf slab Piles to Gellibrand Pier, VIC	
2001	VSL  Townsville Port Authority Transpower Tasmania Hydro Corp	Maccolloy bars in large building, NSW  Steel piles to Blue Terminal, Townsville, QLD Steel towers, New Zealand Tie rods on spillway, TAS	
2002	Tasmania Hydro Corp	Tie rods, Cetahana Dam, TAS	
2003	Sea Coatings Alpine Shire OneSteel ETSA	Steel piles, Sydney, NSW Steel components to swing bridges, VIC Tie rods, Whyalla, SA Stobbie poles, SA	
2004	Geelong City Council	Tie rods for sea wall, Geelong, VIC	
2005	Powercor Symex Holdings Alfreds Group Powercor Powercor	Investigation into corrosion of thin wall poles, VIC Steel piles, Port Melbourne, VIC Steel columns, VIC Steel lighting poles, thick wall, VIC Thin wall steel lighting poles, VIC	
2006	Adelaide City Council Salta Constructions Symex Holdings Powercor	Steel tram poles, SA Steel piles to wharf, VIC Existing steel piles to a building, VIC 500+ steel lighting poles, VIC	
2007	First State Colonial Austress Freyssinet Country Energy Powercor Powercor City of Greater Bendigo	200+ steel columns to existing building, VIC Rock bolts, Brisbane, QLD Steel light poles, NSW 279x steel lighting poles, VIC 400+ steel lighting poles, VIC Steel tram poles, VIC	

<b>2008</b>	Adelaide City Council Cairns Ports Gippsland Ports Adelaide City Council  Wallsend Colliery  Heltech Esplanade Hotel David Jones	Further 100x steel lighting poles, Adelaide, SA Steel piles to harbour, Cairns, QLD 100+ steel piles to jetties, Port Albert, VIC 100x light poles, SA Testing of 300+ rock bolts in coal mine for quality assurance, Newcastle, NSW Steel screw piles at Bega, Woolongong, Sydney and Brisbane Steel piled foundations for renovation project, WA 100+ steel columns to building, VIC	
<b>2009</b>	Leighton Contractors VicRoads Building Solutions Bendigo Mines Corprey Freyssinet	Steel tie rods, TAS Numerous steel traffic light poles, VIC Screw piles involved for 3x projects, NSW Holding down bolts, VIC Holding down bolts, QLD Franchise of rock bolt system, QLD	
<b>2010</b>	OPUS International VicRoads Instant Foundations Helcon Helcon Instant Foundations Cronulla Marina MWH Global Freyssinet Helcon Instant Foundations Helcon Helcon	Steel piles after earthquake, New Zealand Composite steel/timber piles, Barwon Heads, VIC Screw piles at Maroochydore and Brisbane, QLD Second visit to Bluescope Steel, NSW Screw pile tests at Bluescope Steel, NSW Steel screw piles, Gold Coast and Brisbane, QLD Steel piles to a marina, NSW Steel piles to Cooper Creek, Christchurch, NZ Rock bolts to mines in WA, QLD, China and Canada Screw piles, Gold Coast, QLD Screw piles, Sunshine Coast, QLD Screw piles, Woolongong, NSW Screw piles, Port Kembla, NSW	
<b>2011</b>	State of Tasmania British Aerospace Engineering (BAE) Prestige Piling VicRoads Dandenong City Council Instant Foundations Prestige Piling	Steel piles supporting a river bund, TAS Steel fender piles, Williamstown, VIC. Awarded bronze medal for innovation by BAE. Steel screw piles, Toorak, VIC Steel traffic lights, various locations, VIC Steel poles, VIC Steel piles, Byron Bay, NSW Screw piles, Parkville, VIC	
<b>2012</b>	Prestige Foundations  Ideal Foundations Instant Foundations Queensland DAE British Aerospace Engineering (BAE) Red Box Developments Murray River Water	Screw piles at two sites, Mt Eliza and Kilmore, VIC Screw piles at three sites, Glenhaven, Ermington and Boxhill, NSW Screw piles, Kelloggs site, NSW Steel piles to Dunk Island Jetty, QLD  Further testing of steel piles, Williamstown, VIC Screw piles, Madden Grove, VIC Steel piles for new pumping station, VIC	
<b>2013</b>	British Aerospace Engineering (BAE) Launceston Port Authority	Steel piles to jetty, VIC  Steel sheet piling, TAS	

	PE General Mechanic M and J Mining Gulf Rock Engineering Red Box Developments	Rock bolts to large tunnel, UAE Rock bolts to coal mines, South Africa Rock bolts to large tunnel, UAE Testing of total steel population Madden Grove, VIC	
<b>2014</b>	Ideal Foundations Ideal Foundations British Aerospace Engineering (BAE)  PE General Mechanic  M and J Mining  Gulf Rock Engineering Bunbury Port Authority	Screw piles, Coolangatta, QLD Screw piles, Cairns, QLD  500x steel piles to jetty, Portsmouth, United Kingdom  Quality assurance testing of up to 300x rock bolts, UAE  Quality assurance testing of strand anchors, South Africa 2000+ rock bolts tested. Still progressing at present point in time. Rock anchors for mooring dolphins, WA	
<b>2015</b>	DeBiers GHD Instant Screw Piling Instant Screw Piling Worley Parsons Danatec GEC VicRoads Mager PE General Mechanic  M and J Mining Gulf Rock Engineering Prestige Foundations	Hollow bolts at mine in South Africa 100+ light poles at Mackay Airport, QLD Screw piles, Townsville, QLD Screw piles, Middleton, QLD Sheet pile caissons, Eden Breakwater, NSW Tubular steel piles, Hattah Lakes, VIC Transmission towers, UK Tests of 3x traffic lights, VIC Screw pile testing, Redlynch, QLD Quality assurance of 3000+ rock bolts, ongoing, UAE Quality assurance of strand anchors, ongoing, South Africa Ongoing tests; over 3000 in number Screw pile testing, Brimbank, VIC	