

Civil Sydney was Founded on driven piles. Our earliest piling projects involved driving timber piles for residential construction. Move forward over 25 years and our fleet has grown to incorporate multiple Junttan Rigs & hammers as well as a variety of flying hammers, excavator mount and other specialized driven piling equipment. The team are well versed in driving steel, precast and timber piles and with our own in-house testing equipment can undertake onsite pile verification.

See below some of our current driven piling equipment.



Make & Model:	Junttan PM20LC (2018)
Hammer:	HHK5-7AS
Hammer Specs:	Hammer can be configured for 5 or 7t Ram weight
Capabilities: The Junttan PM20LC is a relatively compact piling rig for driving steel, concrete & timber piles. The rig can self-pitch piles up to 18m long without the need for predrilling. It has been fitted with Junttan's 'Ipiler' system which allow for electronic pile monitoring and logging during installation as well as automatic pile data collection with the ability to remotely transfer pile data from the office & field. The LC's increased track frame and heavy-duty leader allow for increase hammer capacity (up to 9t Ram weight) over a standard PM20 model	



Make & Model:	Junttan PM20
Hammer:	HHK5A
Hammer Specs:	5t ram weight with up to 1.2m drop height
Capabilities: The PM20 is our original Junttan and has a slightly reduced footprint over the larger LC unit. This junttan has completed hundreds of rural bridge projects where we have been able to access remote areas due to its relatively easy transport configuration. The rig is capable of self-pitching piles up to 15m & 5t in weight and driving both vertical and racked piles	



Crane Mount (flying) Impact Hammers

- **Dawson 1200H** Hammer & Powerpack – Ram Weight 1.2t
- **Dawson 1800H** Hammer & Powerpack – Ram Weigh 1.8t
- **Junttan HHK3/5AS** Hammer & Powerpack 3 or 5t Ram weight

Capabilities: All hammers are configured with biodegradable oil & 40m hoses sets for driving a variety of Piles. The hammers can be equipped with multiple driving sleeves or leg grips dependent on the type and size of piles being installed. CS can also offer crane hire to compliment the hammers if required along with vibro hammers that can assist with initial install with both single, double jaws or timber pile clamps



Excavator Mounted Driving Hammers

Capabilities: Civil Sydney run a fleet of excavators from 5 to 26t along with various piling hammers up to 1t in ram weight. These can be ideally for restricted access sites and have been previously used to verify piles up to 1,000Kn in ultimate capacity. Along with the driving hammers we can also set the machines with Vibro hammers, augers and handling grabs allowing for a multitude of piling disciplines from the same machine



Pile Testing Equipment: 8G PDA Unit

Civil Sydney Pile Driving Analyzer (PDA) unit is the latest 8G system developed by Pile Dynamics Inc. The system is the most widely employed system for dynamic load testing and pile driving monitoring in the world. The system allows remote dial in for testing of piles on any of our projects with our site staff being trained in the operation removes the need for bringing engineers to site to undertake on site testing



Some of our Work

