

Plant and Equipment Capability

- **Hydro-Demolition & Water Jetting Fleet**
- **2 x Hammelmann HDP 204 – 40,000 PSI UHP Trailer Units**
Capable of delivering up to **~43 L/min at ultra-high pressure**, these units are ideal for precision hydro-demolition, concrete removal and reinforcement exposure without micro-fracturing.
- **1 x Hammelmann HDP 204 – 20,000 PSI High-Volume Unit**
Configured for **high-flow applications up to ~88 L/min**, suited for industrial cleaning, surface preparation and large-area works.
- **1 x Hammelmann HDP 170 – 20,000 PSI Skid Unit**
Compact and versatile, ideal for confined spaces and projects requiring flexible deployment.
- **1 x WOMA 40,000 PSI UHP Trailer Unit**
Reliable ultra-high pressure system for specialist hydro-demolition and surface preparation works.

- **Dual Capability – UHP to High-Volume Conversion**
- All primary hydro units are fitted with **conversion kits**, allowing rapid changeover between:
 - **Ultra High Pressure (UHP)** → precision concrete removal & coating stripping
 - **High Volume (HP)** → industrial cleaning, tank cleaning & surface prep
- This conversion can be completed within **a matter of hours**, enabling Six Solutions to adapt quickly on-site and maximise productivity without requiring additional plant mobilisation.

- **Specialist Attachments & Tooling**
- Our capability is further enhanced through a range of **advanced tooling systems**, allowing us to deliver safer, faster and more consistent outcomes.
- **Master Jet Systems (Surface Preparation & Hydro-Demolition)**
- We utilise **Master Jet tooling**, which provides significant advantages over traditional systems such as Barracuda nozzles, including:
 - More **consistent and controlled material removal**
 - Improved **efficiency and coverage rates**
 - Reduced operator fatigue through optimised handling
 - Superior performance on **reinforced and dense concrete structures**
- This results in **higher productivity and better-quality finishes** across hydro-demolition works.

- **High Pressure Tank Head Systems**
- Our rotating **HP tank head systems** are designed for:
 - Internal tank cleaning

- Removal of heavy build-up and scale
- Confined space cleaning without manual entry
- These systems deliver **uniform 360° cleaning**, improving safety and reducing downtime during shutdown operations.
- **Falch MultiWorker MW250 – Robotic Hydro-Demolition**
- The **Falch MW250 robotic system** represents a significant step forward in hydro-demolition capability.
- Remote-controlled operation for improved safety
- Consistent, repeatable concrete removal depths
- Ideal for **large surface areas and contaminated concrete removal**
- Eliminates operator exposure in high-risk environments
- This system allows Six Solutions to deliver **high-production, precision-controlled hydro-demolition** on complex infrastructure projects.
- **Concrete Repair Equipment**
- **4 x Guniting Machines (Reed Sova & Lova)**
High-output dry spray systems for structural concrete reinstatement, capable of delivering consistent application across vertical and overhead surfaces.
- **Support Equipment**
- **Mine-Spec Truck Fleet**
Fully equipped for mobilisation across remote and mine-site environments, ensuring reliable and efficient deployment of personnel and equipment.

What this means for our clients

- Our investment in plant and equipment ensures:
- **Higher productivity and faster project delivery**
- **Flexibility across multiple scopes (UHP, HP, cleaning, demolition)**
- **Improved safety through mechanisation and advanced tooling**
- **Consistent, high-quality outcomes on every project**