



Infrastructure Vegetation Management

Drones provide many benefits in the management and maintenance of infrastructure such as dam walls and pipelines, around large plant and processing facilities, rail and road, and aquatic environments. We have been deploying heavy payload application drones since 2014 for vegetation management such as weed spraying, rehabilitation and site seeding. This approach provides our clients with gains in safety, efficiency and effectiveness across their operations.

SAFETY

Operation of our drones on steep, unstable and uneven sites, such as dam walls, significantly reduces or in many cases eliminates the need for personnel in these hazardous areas, eliminating the risk of injury. For aquatic environments, such as dams or wastewater treatment ponds, we are able to treat weeds without the need to have personnel on the water.

ENVIRONMENT

The potential environmental benefits for your operation, resulting from the use of drones, are many. For example, in the case of weed spraying, the precision of the drone ensures targeted application, reduced herbicide and water use and the ability to customise areas such as 'No Spray Zones' ensuring no chemical is sprayed in that area.

The battery powered drones significantly reduce carbon emissions when compared to traditional application equipment.

COST EFFECTIVENESS

As a result of our approach, cost savings both in the short and long term can be expected. A simple case study where we have been spraying rock faced dam walls for weed control 1-2 times a year since 2014 shows we have not had a single lost time injury. Previously when they used ground sprayers this was a common occurrence. On this same site, we have constantly produced far superior results and used significantly less chemical and water, a cost savings too.