MAVERICK
Simpler. Faster. Smarter.

# Albury Landfill

## Key stats

- 1.5 MWp
- New South Wales
- Landfill site

## Partnering with

LMS ENERGY

JOULE

Energy Power Systems CAT

## Why MAVERICK ?

### Minimal ground penetration was key

This landfill site, covered with an impervious membrane, presented civil works risk and limitations.

### Speed of deployment

120kWp / day with only 3 people

### Re-deployability

A gas line runs underneath the site and needs to be accessed contingently.

A: 41-43 Bowden St, Alexandria, NSW, 2015, Australia E: info@5b.com.au W: 5b.com.au

# Solutions for landfills

Albury landfill is demonstrative of a much larger opportunity that Maverick unlocks for sites that were previously unusable.

A landfill is a backfilled ground cavity, often covered by an impervious membrane. Once capped, the site's utility reduces drastically, if not completely. Closed landfills are generally not suitable sites for building or structures, as landfill gas emitted and captured through wells presents a safety risk and the capping of a landfill is not a stable platform to build on.

In some cases, a landfill can be deemed suitable for redevelopment, but will inherently carry a unique civil profile with considerable limitations. At Albury, the site was ripe for rehabilitation, but required a solution that could appropriately circumnavigate these civil risks and challenges. Common after uses of landfills include sports grounds, public open spaces and golf courses.

The site is adjacent to Albury city and gas produced by the landfill is used to generate electricity and fed into the local grid via a gas line running underneath the solar farm. To leverage this existing infrastructure and to allow for contingent underground maintenance, a non-permanent solar solution was the ideal choice for rehabilitating the site.

A majority of conventional solar structures must be driven into the ground to depths well beyond most landfill membranes. As a result, solar projects have seldom been considered as a way to redevelop these unique sites. Until now.

MAVERICK is the only ballasted array which offers a cost competitive solar solution with rapid, energy dense deployment. It's an alternative that meets a landfill's unique requirement; the solution's anchoring can be adjusted to accommodate the limits of any size cap. At Albury, anchor depths were reduced to only 800mm to allow the landfill's membrane to remain intact, with only 6 anchor points per 100kWp.

**A:** 41-43 Bowden St, Alexandria, NSW, 2015, Australia **E:** info@5b.com.au **W:** 5b.com.au