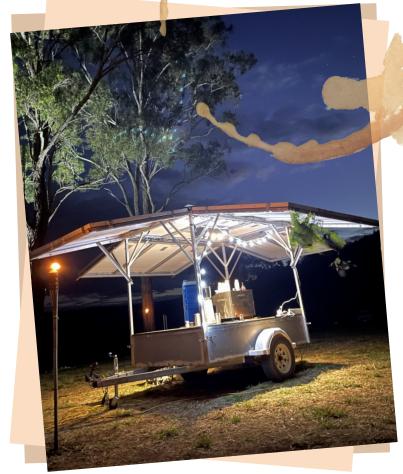


Substation33 is a social enterprise that processes & recycles e-waste while providing opportunities for marginalised & long-term unemployed people to build confidence, skills and training. Every year Substation33 diverts about 200 tonnes of e-waste from landfill. We are also devoted to repurposing e-waste into innovative products, so when a Boema coffee machine came in as e-waste we hatched a plan . . .

## First, fix the coffee machine:

Our coffee enthusiasts at Substation33 worked together to repair the coffee machine. Boema kindly supplied a missing component & the process inspired our participants to learn more about servicing the machine & making coffee. They made extras for the set-up - a knock box & cup storage out of recycled components. Extraction Coffee donated a grinder, beans & cups & we were set to start caffeinating people.





## Then, combine coffee and solar power:

We then installed the machine in our Solar Trailer so it could work totally off-grid. The Solar Trailer was designed & built as a training project. Energy is drawn from the 13 solar panels that create its roof & awnings that were otherwise destined for landfill. Energy is stored & distributed via the 1792 lithium-ion batteries which were recovered from old laptop computers. The 14Kwh system has the capacity to power an average 3 bedroom home so it has more than enough energy to power our Boema coffee machine. It also provides shade or mood lighting depending on the requirements.

## Next, let us bring solar coffee to you:

If your event could use our solar coffee trailer then contact Tony Sharp:



info@substation33.com.au



\_\_\_\_\_



6 1533 www.substation33.com.au



www.facebook.com/substation33



