

# PROJECT DESCRIPTION

**Owner:** Suprima Bakeries

**Location:** Magnum PI, Minto NSW 2566

**PV-Array:** 2 x 2.2 kWp, 45 degree tilt frames facing NE

**System:** 2 x ELWA in special variant "SC20" for Australia

**Hot water boiler:** 2 x ROTEX SC544/43/0

**Boost-backup:** 3 x gas heaters

**Project summary:**

- Hot water demand: approx. 4,600 L/day
- Solar yield as expected: performing above average during winter due to the 45 degree tilt frames
- Both ROTEX tanks balanced in temperature and solar input
- High constant temperatures for process heat maintained across the period
- No AC-Boost backup used!
- Expected Solar Savings of AU\$1,560/year (961 Euro, AU\$0.29/kWh considered)



204 days				1 year	
Solar Energy left (kWh)	Solar Energy right (kWh)	Solar Energy total (kWh)	Savings (AU\$)	Solar E total (kWh)	Expected Savings (AU\$/year)
1,447	1,334	2,781	807	5,361	1,560

Solar Energy and Savings. Period of data analysed: 04/02/2020 - 25/08/2020



ELWA in special variant "SC20" for Australia



With the "USB interface" data connector and the free ELWA software, the yield data can be easily checked.

**ELWA Product details**



- 0 – 2,000 W linear power control
- Target temperature adjustable with rotary knob
- Even works during grid blackouts
- For water tanks with capacities of 100 – 1,000 litre
- Internal consumption 2 W
- Efficiency ratio >99 % at nominal capacity
- Optional boost backup 750 W

**Contact person**

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