

# Alderman Tooling

Plymouth, United Kingdom

**Technology:** Solar PV  
**System size:** 263.22kWp  
**Annual Output:** 260,356kWh  
**Annual CO2 savings:** 54,653kg

Alderman Tooling is one of the UK's leading metalwork manufacturers with more than 50 years' experience in metal fabrication.

As metalwork engineers, Alderman Tooling own and operate a vast suite of energy intensive machinery, accounting for a significant proportion of their operating costs. A fluctuating energy market, resulting in a large spike in electricity prices (10p/unit to 30p/unit) caused huge concern and led the company to explore ways to secure their future energy supply and reduce their reliance on the National Grid.

After conducting a thorough energy audit and concluding that solar PV would deliver the highest carbon reductions for the costs involved, Alderman Tooling approached Solarsense to design, install and maintain an additional solar PV system for their factory.

The solar PV system is estimated to generate 260,356kWh of clean energy each year; reducing their carbon footprint by 54,653kg per annum. As well as significantly improving the CSR credentials of the company, the clean energy system is estimated to generate a net profit of more than £3.2million for the company over the next 25-years.



Price was a key factor but not the only one. We were looking for experience and a strong reputation - we wanted to know the contractor was going to be around for a long time. By the time we were looking at three quotes it included research on the company's values, friendliness, customer service, response to queries and attitude to health and safety - they were all crucial to us and Solarsense came out on top.

**Karen Friendship, Managing Director - Alderman Tooling**



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