

**DP1093275** A/Prof LY Zou; Prof RD Short; Prof Dr H Song; Prof Z Hao

**Approved Project Title** **Composite conductive electrodes for low energy desalination**

**2010 :** \$ 63,000

**2011 :** \$ 65,000

**2012 :** \$ 63,000

**Primary RFCD** 2914 MATERIALS ENGINEERING

**Administering Organisation** University of South Australia

**Project Summary**

Good quality drinking water supply is a critical issue for water security particularly for inland regional and remote communities, where seawater desalination is not a feasible option. The proposed research has the great potential to develop an alternative, low cost, robust desalination process for brackish water supplies. The superior electrode materials are the key to achieve this goal. The water industry will use the information to assist their decision making for future water supply augmentation in regional communities. High capacity and lower energy forms of desalination are critical to ensuring desalinated water comes at an affordable price for the regional communities.