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Technical Session incorporating the Electrical Panel Annual  
General Meeting

# Residential Energy Storage Systems: A Study of Applications

Hosted by: Joint Electrical Electronic Papers

**This paper will be preceded by a short Annual Meeting for the Electrical Panel reporting the progress and achievement for 2015 and expectations for the year ahead. Please stay behind after the presentation for refreshments and to speak with the Presenters and members of your Electrical Panel and JEEP committees.**

Mark Taylor will explore the current context and expectations in relation to the electric car technology, social acceptance and market penetration, discussing the context that is specific to Perth. In his review he will also describe the various modes of charging, types of connectors and levels of electrical connectivity. These are covered in the latest international standards, which were written to regulate this market.

Mark will also comment on targets for adoption of electric vehicles and how this technology works for Perth.

Marc Greco has recently travelled to the UK and noticed that public car parks and roads have rapid charging stations, similar to the new RAC eHighway from Perth to the Southwest. The implementation of this infrastructure has been one of the most rapid changes that we experienced in recent decades with a wide level of implementation of the basic infrastructure in a short period.

Charging requirements have evolved from a general domestic outlet to a high output dedicated connection and proprietary rapid chargers. The facilities provided vary according to locations and their context. Both utilities and installation designers will be influenced by these technological developments.

Mark and Marc will explore the impact of electric vehicles in Perth's electrical infrastructure and on the electrical installations within buildings and urban facilities taking a view of how to service it now and the likely future scenarios.

## About the Speakers

Mark Taylor is the Josh Byrne & Associates (JBA) Manager - Built Form Sustainability and has been with the company since January 2015. He Moved to JBA after five years managing the Sustainability Group of the large engineering consultancy firm Norman Disney & Young (NDY), in Perth. Mark's sustainability work followed an earlier career in construction and renewable energy engineering in Europe, South East Asia, the USA and East Timor.



Marc Greco has 30 years' experience in the design of electrical services, building engineering and project management. Marc was fortunate to participate in some challenging and stimulating projects where clients have been able to agree significant innovation and points of difference.



Marc recently founded his own engineering firm that specialises in projects that support sustainable principles and where engineering makes a significant contribution to society. Some of his most salient projects include research stations in Antarctica and significant heritage projects. He is now involved with the regeneration of the original power station that served the city of Fremantle.

## VENUE

Auditorium  
Engineers Australia  
712 Murray Street  
West Perth WA

## DATE & TIME

Wednesday 11 November 2015  
5.45 pm for a 6.00 pm start

(Light refreshments will be served after the presentation)

## TICKETS (incl. GST)

EA, IEEE, IET & IICA Members & Students: Free  
Non-members \$30

## REGISTRATIONS CLOSE

Tuesday 10 November 2015

**REGISTER NOW**

