

2018 Part IV Power Systems Projects - Project 109

Timothy Lopez, Danyon Wye

12 April 2018

1 Minutes of Meeting

A meeting of the Project 109 Team held in 303.312 at 1200-1315 hours.

2 Present

Mr Abhinav Rakesh Chopra (Secondary Supervisor), Danyon Wye, Timothy Lopez.

3 Apologies

No Apologies

4 Minutes Of Last Meeting

- Note: The last scheduled meeting (5th April) did not take place at the fault of Timothy Lopez.
- Introduction into literature review layout and specification.
- Discussion of research scope in regards to model focus, size, regulations and other possible impediments.
- Departments connections to the industry.

5 Agenda and Discussions

1. Current Implementations: Power Ledger, LO3 Energy and other companies which are implementing project with similar characteristics to our research. Mainly looking at white papers and extracting what previous companies have deemed important in these systems and understanding their considerations. Power Ledgers various platform options is a starting point for various systems of which they consider 10 main platforms including "P2P Trading" and "NEO Retailer" among others.
2. Current Power Network: Both considered in NZ and abroad. We discussed an overview of the power network from source to consumer considering ownership and management rights of each section. We mainly concluded that Transpower (State

owned) is in ownership of the transmission lines as well as manages these lines. Distribution lines is maintained by 20-30 companies across NZ and then various retailers work B2C. This is an important aspect which we need to look into further and confirm.

3. Research Scope: Again we touched on the scope of the research being conducted. While our current res each is mainly focused on the suitability of the technologies to the needs of the system, we were also encourage to look at the less considered aspects of such a system surrounding compliance, regulation and various other protocols. Again power ledger seems like a good starting point to consider the political and regulatory issues they have and are facing. Aside from this understanding the regulations of the various systems under NZ law as well as considering the user incentives and many other aspects that follow any new technology entering the market.

6 Resource Needs

No current resource needs.

7 Date of Next Meeting

The next meeting to be held in 303.312 and is set for 19th April 2018 at 1200 hours.