



# TEAM AVD'S PROPOSAL

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# INTRODUCTION & PROBLEM SITUATION

## Irrigation:

Artificial application of water to land to assist in growing Crops etc.

## Problem:

- Expensive to operate (4120AUD/10,000 square metres)
- High maintenance (6950AUD)
- Needs a lot of electrical energy (3.92 Gigajoules/600,000 square metres)



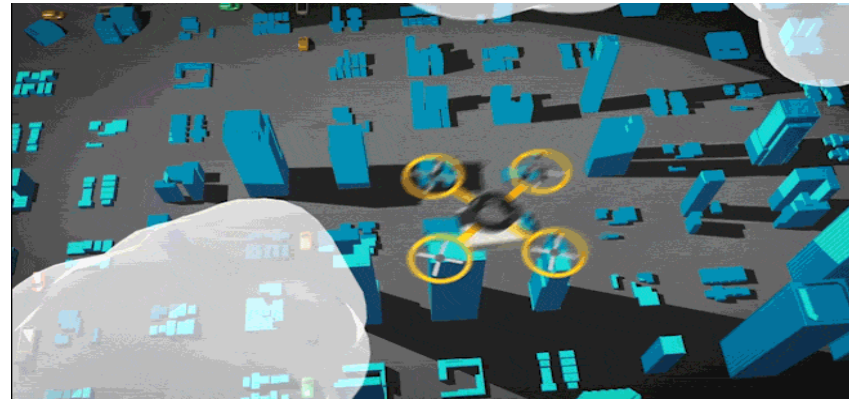
**PROFIT**

A 3D rendered image featuring the word "PROFIT" in large, white, blocky letters. Behind the letters, a thick red arrow starts from the bottom left and zig-zags upwards to the top right, symbolizing growth and profit. The entire scene is set against a plain white background.

# CONCLUSION

## Drone will

- ▶ improve effectiveness of agriculture
- ▶ Key to the future innovation



# Thank you for your kind attention

Source:

1. Organisation for Economic Co-operation and Development [OCED] Glossary of Statistical Terms, 2001.  
(<https://stats.oecd.org/glossary/detail.asp?ID=1464>)
2. Victorian Government Department of Environment and Primary Industries Melbourne, October 2013.  
([www.murraydairy.com.au/LiteratureRetrieve.aspx?ID=138616](http://www.murraydairy.com.au/LiteratureRetrieve.aspx?ID=138616)) - **Table 1**
3. Victorian Government Department of Environment and Primary Industries Melbourne, October 2013.  
([www.murraydairy.com.au/LiteratureRetrieve.aspx?ID=138616](http://www.murraydairy.com.au/LiteratureRetrieve.aspx?ID=138616)) - **Table 3**

Mr Sunny Jacobs , University of Southern Queensland Faculty of Engineering and Surveying, "Comparison of Life Cycle Energy Consumption of Alternative Irrigation Systems" (<https://core.ac.uk/download/pdf/11036277.pdf>) - **Section 3.3.2 , Section 3.6 , Appendix B**