



Business Cost Calculator example: The e-Robot 3000[®]

Background/ Problem

The Australian cattle industry currently uses the e-Robot 3000 model to assist with routine duties. The e-Robot can be programmed to convey feed and water to livestock, undertake drenching and vaccination of livestock and record data on each individual animals requirements. The Department of Biotechnics Australia has identified that the e-Robot 3000 is a potential terrorist threat due to hackers creating a program to rewire the artificial intelligence chip. There are deficiencies in the protection of the e-Robot 3000 which could lead to terrorist cells accessing the robots for use as a potential terrorist operative.

General data

Businesses affected: 63 400
Wage rate \$15.17 per hour (including non-labour costs such as workers compensation, payroll tax, superannuation, and FBT)

Regulation

The regulatory requirements for graziers wishing to use the e-Robot are:


- Develop Safety Plan
- Obtain police and politically motivated violence checks
- Register access to the e-Robot 3000
- Train staff in safety procedures
- Obtain secure Storage
- Obtain licence

Develop safety plan

Businesses must prepare a safety plan for access to the e-Robot 3000. Industry advises that 75% of the 63,400 affected businesses will be able to develop a safety plan in-house, which will take about 2 hours per business to complete. The remaining businesses will need to outsource the development of the safely plan at a cost of \$300 per business.

Obtain police and politically motivated violence checks

Businesses will need to get politically motivated violence checks on all employees who will have access to the e-Robot 3000. Each employee will be required to submit their details annually to the regulatory agency, and it is estimated that it will take each employee 30 minutes to complete the form. Industry advises that an average of 5 workers per business would need to undertake checks. Once the forms are filled out, each business will need to submit the forms to the regulatory authority, and pay a \$49 service fee per employee.



Register access to the e-Robot 3000

There will be a register of purchasers of e-Robot 3000, which will include business contact details and what each e-Robot 3000 will be used for. This register will also include a list of employees who have contact with the e-Robot 3000. The register will need to be updated quarterly to ensure details of the employees are still correct and the intent of use for the e-Robot 3000 has not changed – this will take around 30 minutes each time for each business.

Train staff in safety procedures

All staff that have access to the e-Robot 3000 will need to undertake specific training in security procedures, which will need to be updated annually. Industry estimates that around 5 staff per business will need to receive training at the external Government-run course. There is no charge for the course, which is 4 hours in duration.

Secure Storage

The e-Robot 3000 needs to be stored in a secure container when not in use. The secure storage container for the e-Robot 3000 is purchased through the manufacturer for \$2 000.

Obtain Licence

Each business owner requires a licence to purchase and use e-Robot 3000. The Licence costs \$40 and needs to be renewed every 3 years