# ExoFlare.

**Biosecurity Threat Management** 

# Better Biosecurity for the Renewable Energy Transformation

Wednesday 27th November

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# Agenda

About ExoFlare

Biosecurity Challenge

# How it works

- For Farmers
- For Visiting Companies
- Benefits



# **About ExoFlare**

Specialist Biosecurity Threat Management company

Proven solution across biosecure livestock sectors

Known and trusted entity by jurisdictions, but unambiguously champions for industry

Investor base - agriculture, biosecurity, national security and retailers







**of Pork production** by volume in Australia is *protected with ExoFlare* 

of Chicken Growers
in Australia are protected with
ExoFlare





# Leadership Team



#### **Adrian Turner**

- CEO CSIRO Data61
- Co-Chair Austcyber
- Co-founder, CEO Mocana (US) - cybersecurity for critical infrastructure

#### Chris Aitken

- CEO SaltGrid
- Partner, US Strategy Practice Lead, KPMG
- Partner, eCommerce & Strategy Lead, Andersen

#### Andrea Koch

- Digital Ag specialist
- NFF Board, led Farm Data Code
- Telco PM background

# **Richard Webby**

- Managing Director, Optus Digital
- CTO Scentre Group
- Head of Tech Disney Theme Parks

#### + Other team members

Data61 GraphML Stellargraph team

• Enterprise and consumer software experience



# **Biosecurity Challenge**



During 'Peacetime'

Everyone is responsible for minimising risk

• Farmers/Land Owners/Managers

Place-based Biosecurity Management Plan

 Others wanting access -Movers/Visitors

'Come Clean, Go Clean'

Biosecurity Management Plan

Remain 'low-risk' when moving between and entering properties

# During an EAD/EPPR Jurisdiction is responsible

- Destruction, Disposal, Decontaminate
- Destruction, Clean-Up, Disinfection
- Track and trace for movement permitting
- Issue movement permits
- Worst case Animal Diseases FMD, LSD, H5N1
- Worst case Plant Diseases e.g. Tomato Brown Rugose Fruit Virus (ToBRFV)





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Transmission & Generation Companies who want to access farms, need

- i) proof for farm/land owners that they are minimising risk and not spreading weeds/pests/diseases, and
- ii) compliance with place-based Biosecurity Management Plans, so that....

# During 'Peacetime'

...they have **social licence** to enter farms/properties under protection of a Farm Biosecurity Management Plan

...subcontractors can know they are protected

### During an EAD/EPPR

...they can **continue to operate** (be issued with
movement permits to enter
properties)

because <u>place-based data</u> will be used by Jurisdictions for movement permitting



# **STOP**

# YOU MUST CHECK-IN BEFORE ENTERING



Scan QR or visit www.exoflare.io/

**ExoFlare.** 

### **Poultry Farm**

Contact:

A Biosecurity Management Plan applies to this place. Failure to comply with the Biosecurity Management Plan may be an offence under the NSW Biosecurity Act 2015.

#### **HOW TO SIGN IN**

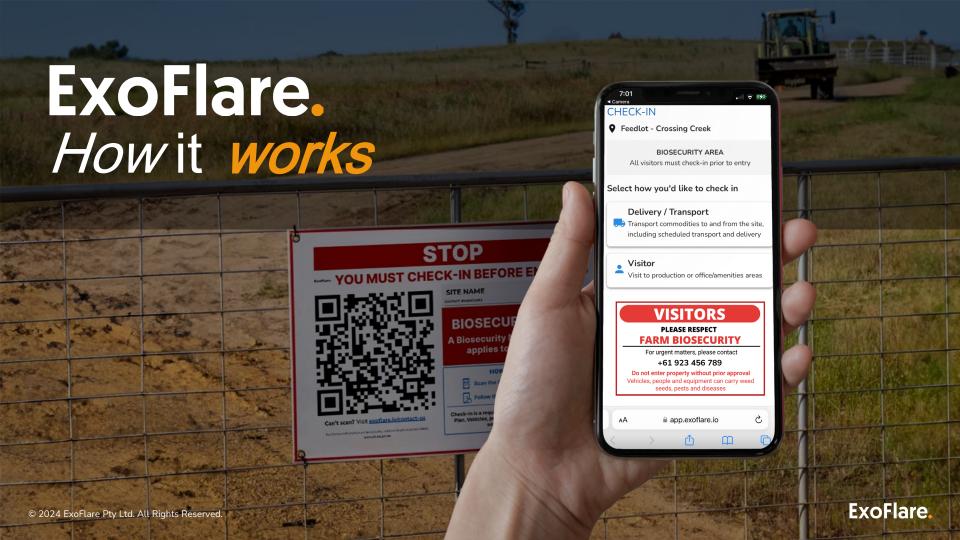


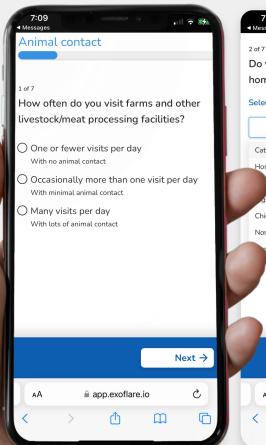
Scan the QR code with your camera app

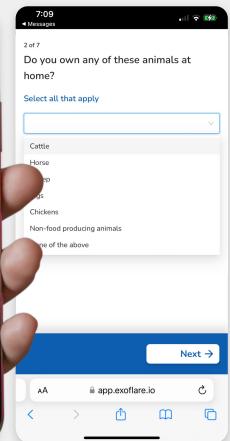


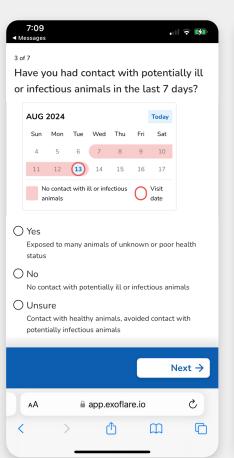
Follow the prompts and fill in the form

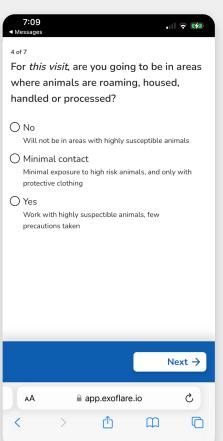
Check-in is a requirement of the Biosecurity Management Plan. You may obtain a copy of the plan by checking in to contact the site. Vehicles, people and equipment can carry weeds, seeds, pests and diseases.



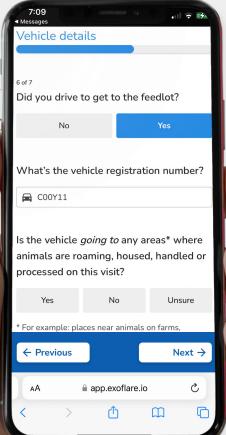


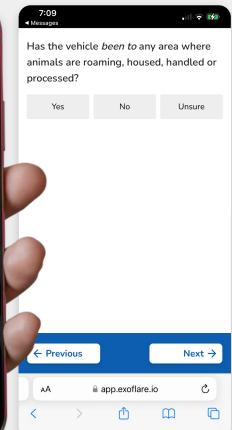


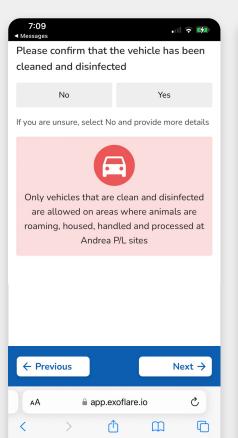


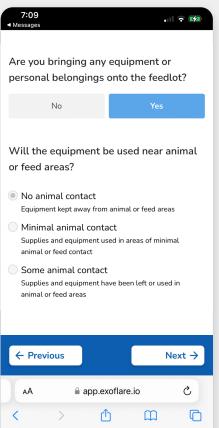


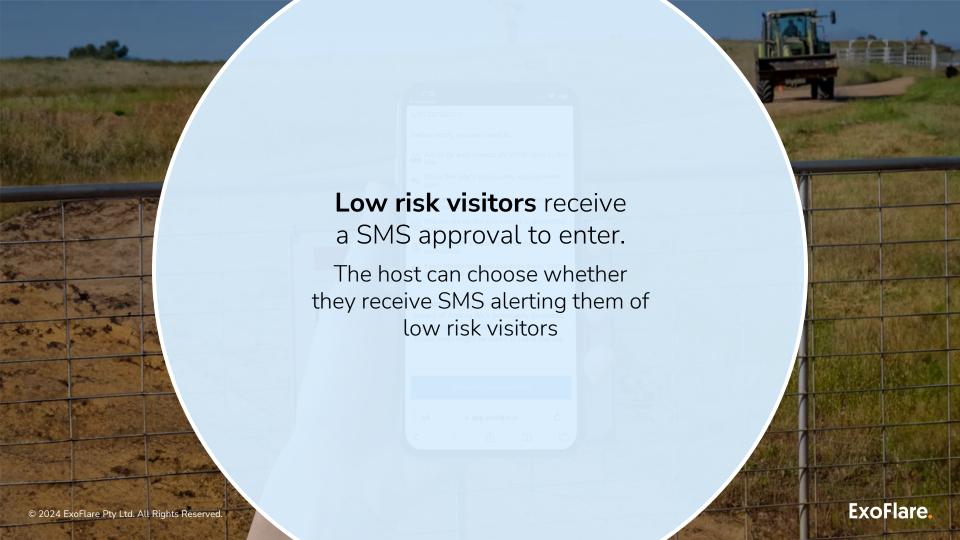














# **ExoFlare Solution**

#### For Farmers

Unique, site specific QR Code Sign at the farm/property Gate

Visitors sign in, answer a series of questions;

- Quarantine and Required Actions according to the Biosecurity Management Plan for the farm
- Specific requirements for that day, e.g. 'spray drift'

System generated Biosecurity Risk Assessment

- 'Low-risk, please enter', or 'high-risk, please wait'
- SMS notification for entry decision can say 'no'

#### Visitor Log/Dashboard

 Record of each visitor, reason for visit, time and date, risk, and approval to enter



# **ExoFlare Solution**

# For Visiting Companies

Biosecurity Risk Assessment for every farm/property visit by an employee or contractor, based on:

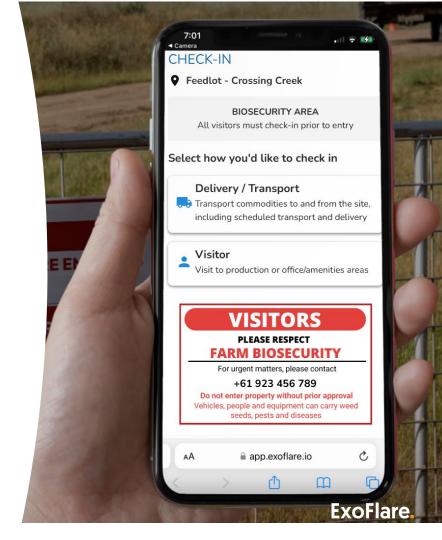
- Compliance with the place-based Farm BMP
- Company policy/best practice e.g. 'Come Clean, Go Clean'

Biosecurity Visit Register/Dashboard

- Every visit by every employee and contractor, to every farm/property visited, and whether they were
  - i) low risk or high risk, and why
  - ii) allowed entry or not allowed entry, and why.

Third party WHS, scheduling system integration

Independent third-party data source for audit



# **EAD/EPPR Ready**

#### For Farmers

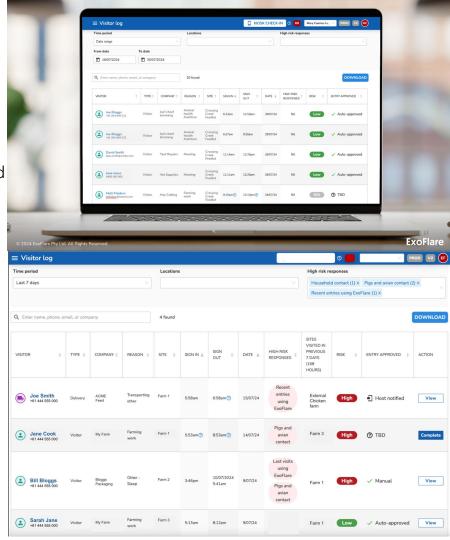
#### Visitor Log/Dashboard

 Record of each visitor, reason for visit, time and date, risk, and approval to enter

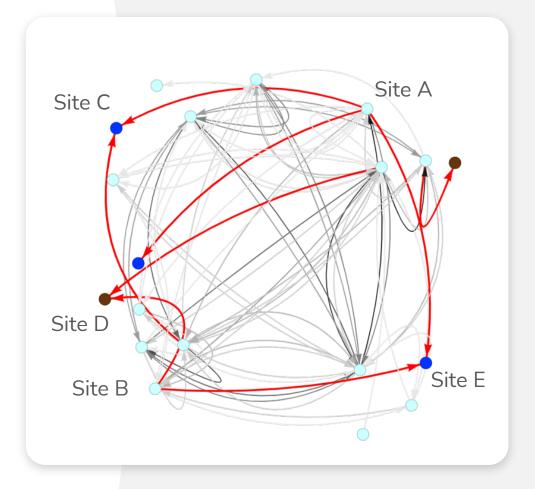
# For Visiting Companies

#### Biosecurity Visit Register/Dashboard

- Every visit by every employee and contractor, to every farm/property visited, and whether they were
  - i) low-risk or high-risk, and why
  - ii) allowed entry or not allowed entry, and why.
- Integrated with third party WHS, scheduling system

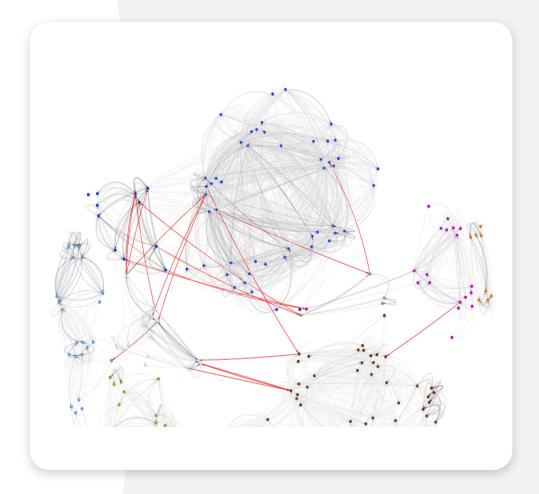


# Harnessing the Network effect of biosecurity risks



System wide biosecurity risks
To protect farms and visiting entities

Secures the entire network



# **Benefits**

# For Transmission and Generation Companies

Improved social licence

Proactive uplift of biosecurity at farm and across a region

Active compliance with Farm Biosecurity Management plans for every farm visit/entry

Easier compliance and proof with your own Biosecurity policies

Reports for management/governance

Data/insights for continual improvement



# **Benefits**

#### For Farmers

Active and dynamic Biosecurity Threat Management for the farm, against their place-based Management Plan

- Can change required actions in response to placebased requirements - e.g. 'spray drift', 'fire danger' etc
- Can legitimately say 'no'
- It works for ALL visitors
- Have an upgrade path as Biosecurity Maturity improves in Australia



# **Benefits**

#### For Rural Communities

Uplift of biosecurity across a region

Co-benefits of being ready at regional level for EAD/EPPR

