Your details

Title
Mr

First name
Darren

Last name
Wu

Submission details

I am making this submission as
A business owner

Submission type
I am submitting on behalf of my organisation

Organisation making the submission (if applicable)
IoTData.io Australia Pty Ltd

Your position in the organisation (if applicable)
Director

Consent to make submission public
I would like this submission to remain anonymous

Share your experience or tell your story

Your story
(Please retain my address as anonymous, however the rest can be made public. Thanks.)
Early detection and accurate locationing of bushfires is critical to effective and efficient suppression and control activities making the most out of limited resources.

I wish to propose that the NSW government investigate and implement a network of automated bushfire detection systems which operate 24x7 in a range of atmospheric conditions which can provide effective early detection and

accurate GPS locationing of bushfires.

Current practices rely on delayed aerial or satellite imagery, or often inaccurate public reports of fire. Delays and location inaccuracies can be significant allowing fires to expand requiring massive resources to contain, control and suppress.

Automated bushfire detection systems can reliably cover large expanses, around the clock, without needing to post human spotters in towers, exposing them to the elements, risking fatigue and safety. A centralised command centre can review any alerts raised by the system instantaneously.

The solutions provided by IoTData.io Australia have been deployed and proven worldwide with over 150 systems monitoring over 4 million hectares. As recently as late February 2020, one system detected and accurately located a bushfire in Thailand. It notified the local fire response team, as well as our management team who were travelling in Japan at the time. The fire was promptly attended to, controlled and suppressed.

I recognise that in the past, various Australian (incl NSW) fire and emergency services have evaluated bushfire monitoring systems and have decided against, or supported only limited deployments. With the rapid progress of technological capability, we feel that such solutions should be re-evaluated with the goal of having systems in place in time for the 2020/21 fire season.

I welcome the opportunity to speak with NSW government to discuss how to make this happen and help prevent or reduce future major fire incidents through early and accurate bushfire detection.

Terms of Reference (optional)

The Inquiry welcomes submissions that address the particular matters identified in its Terms of Reference.

1.2 Preparation and planning
Automated early detection and accurate locationing of bushfires is critical to effective and efficient suppression and control activities making the most out of limited resources.

I wish to propose that the NSW government investigate and implement a network of automated bushfire detection systems which operate 24x7 in a range of atmospheric conditions which can provide effective early detection and accurate locationing of bushfires and significantly advance on systems previously investigated.

The solutions provided by IoTData.io Australia have been deployed and proven worldwide with over 150 systems monitoring over 4 million hectares. As recently as late February 2020, one system detected and accurately located a bushfire in Thailand. It notified the local fire response team, as well as our management team who were travelling in Japan at the time. The fire was promptly attended to, controlled and suppressed.

I urge NSW government to get in touch with the goal of having systems in place in time for the 2020/21 fire season. (Refer to my "your story" response for more details.)

1.3 Response to bushfires
When bushfires occur, it is paramount to have early detection and accurately locate it so that resources can be efficiently deployed.

Refer to my response to 1.2 - preparation and planning for additional detail.

Refer to my "your story" response for more details.

Supporting documents or images