Bushfires in Australia are a widespread and regular occurrence that have contributed significantly to shaping the nature of the continent over millions of years. Eastern Australia is one of the most fire-prone regions of the world, and its predominant eucalyptus forests have evolved to thrive on the phenomenon of bushfire".

Improving firefighter safety and fire prevention with Fire Fighter App

Challenge

- Bushfires are a very common occurrence in Australia. The extent of damage caused due to this phenomenon is alarming. In 2019 and 2020, a loss of over 4 Billion A$ was estimated due to bushfires.
- To reduce such damage and losses, the fire-fighters authority of Australia was looking for a digital solution for its citizens to better equip them in case of these emergencies, improve the rescue response time and improve forecasts accuracy of these accidents

Solution

- Incture has built a mobile application to enable citizens and Australian government to fight bushfires. Also, an admin panel was built for authorities to track incidents/crimes reported. This paperless approach is expected speed up the inspection process per visit, while ensuring that the data collected is accurate, secure, and properly stored

Outcome

- Enable the citizens to be responsive and responsible in case of these accidents
- Improve the decision-making cycle and response-time of authorities
- Improve the overall communication of the safety instructions to the citizens
- Enable prediction of high-risk areas and mitigating risk to human and animal life
- Enables citizens to report, update bushfires or crime reports in a timely manner
- Reduces the delay in communication during emergencies
- Gives a map view of nearby bushfires
- Improves rescue response time of authorities through chatbot services
- Alerts authorities with insights or projections for future events

Business Impact

92.3% Success rate on prediction

15 Years Data processed to perform ML algorithms