

Problem-Solution fit canvas 2.0

Define CS, fit into CC	<div>1. CUSTOMER SEGMENT(S)<div>CS</div><div>Forest fire department Tourist who captures rare birds and animals Goods travelling vehicle drivers who pass forests</div></div>	<div>6. CUSTOMER CONSTRAINTS<div>CC</div><div>Human activities such as illegal mining and working in forest areas with fire work may be some reason. Even natural disasters may cause some fire accidents. Forest fires can impact the economy as many families and communities depend on the forest for food, fodder and fuel. It burns down the small shrubs and grasses, leading to landslides and soil erosion. Burning of forests causes smoke and poisonous gas emissions that result in significant health issues in humans. Loss of trees can disrupt the climatic conditions and break down the carbon chain. Wildfires damage the habitat of animals, causing them to wander in cities. Many die in the fires, unable to escape. These fires destroy the vegetation, soil quality and overall flora and fauna.</div></div>	<div>5. AVAILABLE SOLUTIONS<div>AS</div><div>Utilising the wake effect of windmills As we learned, fire spread increases with the acceleration of wind speed for tropical dry deciduous forests. Using drones to monitor Drone-based surveillance could be carried out in forest fire-prone areas. Making trees shockproof. Creating an industry around protecting forests</div></div>	Explore AS, differentiate
	<div>2. JOBS-TO-BE-DONE / PROBLEMS<div>J&P</div><div>Immediate detection of forest fires and inform all nearby centres to limit loss of organisms and large trees.Alert using alarm and messages to mobile numbers.</div></div>	<div>9. PROBLEM ROOT CAUSE<div>RC</div><div>After the abolition of forest rights of forest-based societies, no such social system has been created which can take the responsibility of protecting forests from fire and other losses. ... Now the approach of marketization of forests and their products has been done. Forest department can only take care of forests and professional management.</div></div>	<div>7. BEHAVIOUR<div>BE</div><div>Consumer needs to perform some activities in forest or nearby areas where safety needs to be ensured at each and every case.</div></div>	Focus on J&P, tap into C
Focus on J&P, tap into	<div>3. TRIGGERS<div>TR</div><div>Human activities – Fires are often caused by open burning, improperly discarded cigarettes, improper functioning of power lines, and camping fires on windy or dry days. Lightnings (they caused 17% of wildland fires, but a minimal percentage of overall forest fires) High wind is not a direct cause of fires, but it contributes to their spreading in 14% of the cases.</div></div>	<div>10. YOUR SOLUTION<div>SL</div><div>Using drones to monitor Drone-based surveillance could be carried out in forest fire-prone areas. Using deep learning process to monitor the fire activities. Capturing video and analyse with help of trained data given. Sending message to given mobile number using twilio created account number and playsound for quick actions to make nearby make people consider actions.</div></div>	<div>8. CHANNELS of BEHAVIOUR<div>CH</div><div>8.1 Contacted through online platforms where alert message is sent to user mobile number integrated with Twilio number.</div></div>	Extract online & offline CH of BE
	<div>4. EMOTIONS: BEFORE / AFTER<div>EM</div><div>Before:Loss of lifes and properties. After:Fire accidents are reduced due to early detection when fire is just triggered.</div></div>		<div>8.2 OFFLINE<div>Alarm is activated with playsound given by user already.</div></div>	