

1. CUSTOMER SEGMENT(S)

CS

Fóirsteá gúaid

6. CUSTOMER CONSTRAINTS

Spending moíe money foí the equipments, network connection foí the devices, power supply interruptions, occurrence of damages sometimes these limitations the customer's choices of solutions .

5. AVAILABLE SOLUTIONS

Alaím system foí indication of fire, remote sensing based methods such as satellites, high-resolution static cameras fixed on the ground, unmanned aerial vehicles.

2. JOBS-TO-BE-DONE / PROBLEMS

S&P

Always clear the area around the workspace.

The area should be even laid if it is windy and dry.

Making sure that to never operate equipment that produces sparks near dry vegetation.

9. PROBLEM ROOT CAUSE

RC

The fire is mainly caused by lightning, increased temperature, human activities and other reasons .

Human caused fires result from campfires, equipment use and malfunction, negligently discarded cigarettes, etc..

7. BEHAVIOUR

BE

They to monitor the forest themselves, often checking whether the camp fire is put off properly.

Always having fire fighting tools always ready.

Monitoring the temperature in the forest.

<p>3. TRIGGERS</p> <p>The need to protect the wildlife and themselves trigger them to act.</p> <p>Not knowing when would fire starts</p> <p>Taking suggestion from visitors.</p>	<p>10. YOUR SOLUTION</p> <p>The computer vision methods for recognition and detection of smoke and fire, based on the still images of the video input from the cameras.</p> <p>Deep learning method “convolution neural network” can be used for finding the amount of fire.</p> <p>Enabling the video surveillance systems on forest to handle more complex situations in real world.</p>	<p>8.CHANNELS of BEHAVIOUR</p> <p>Online:</p> <p>Installing cameras and sensors in parts of the forest and checking the situation.</p> <p>Offline:</p> <p>Making sure that no fires started near the dry plants or highly inflammable objects.</p>
<p>4. EMOTIONS: BEFORE / AFTER</p> <p>They don't feel safe.</p> <p>Always fear of catching fire in the forest.</p> <p>Panic at the of sudden forest fire.</p> <p>Afterwards:</p> <p>They will have some satisfaction of knowing that some indication will come on the start of fire.</p>		