* To predict, early detect, and contain wildfires erupting in their territories.
* use of a combination between a fixed-wind and a rotary-wing UAVs

**AS**

**5. AVAILABLE SOLUTIONS**

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

**1. CUSTOMER SEGMENT(S)**

**Explore AS, differentiate**

**Define CS, fit into CC**

* Indicating the temperature level.
* Alert through alarm system.
* use of unmanned aerial vehicles (UAVs) with specialized cameras.
* No loss of life and resources

Government and corporates managing the public

**BE**

**7. BEHAVIOR**

**RC**

**9. PROBLEM ROOT CAUSE**

the need to do this job?

i.e. customers have to do it because of the change in regulations.

**J&P**

**2. JOBS-TO-BE-DONE / PROBLEMS**

**Focus on J&P, tap into BE, understand RC**

**Focus on J&P, tap into BE, understand RC**

* To preventing a potentially deadly disaster
* To help avoid home destruction, loss of wildlife habitat, release carbon dioxide into the atmosphere and pollute the air with emissions harmful to human health.
* Providing enough awareness to people.
* Provide Strict prohibition to the people against high flame near forest area.
* The sensors are used to detect the forest fire
* Due to smoke, flame

And spark.

* Change in temperature.
* Any electrical shortage that causes fire.
* Lightning strikes or spontaneous combustion of dried leaves or sawdust

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Identify**  **strong TR & EM** | **3. TRIGGERS TR**   * To limit the emission of toxic products created by combustion, as well as global-warming gases produced by the fire itself. | **10. YOUR SOLUTION SL**    To implement this technology by Unmanned Aerial Vehicles(UAV) and the use computer vision methods for recognition and detection of smoke or fire, based on the still images or the video input from the drone cameras which early detects the forest fire and saves the life of animals and human health. | **8.CHANNELS of BEHAVIOUR CH**  **ONLINE:**    This system is based on the artificial intelligence and real time techniques .This system detects and sense the different or other signal and transfer to the system.  **OFFLINE:**  We use the fire fighters for stop the forest fire otherwise the people inform to the police or fire fighter for stop the fire. |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  **BEFORE:**   * Manual maintenance * Loss of resources * Deforestation * Air pollution * Global warming   **AFTER:**   * Detect fire early as possible * Air will not be polluted * Loss of lives are reduced * Reduce the dead of animal. |