Define

CS

fit into

strong

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Qo \mathbb{E} AS

BE

on J&P, tap into BE, understand

dentify strong TR &

FFLINE them for customer development

to check the hazardous areas.

Online: the customer need to track the device

Offline: need to take help of fire services

1. CUSTOMER SEGMENT(S)

Who is your customer? i.e. working parents of 0-5 v.o. kids

Industries

6. CUSTOMER CONSTRAINTS

What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available

Spending Power Internet Communication 5. AVAILABLE SOLUTIONS

Which solutions are available to the customers when they face the

or need to get the job done? What have they tried in the past? What pros &

Available Solution – Fire Alarms

Job Done - It alerts employees through

buzzer after fire impact

- Reduces damage of Pros

resources

7. BEHAVIOUR

time delay.

Greenpeace)

CC

RC

- Causes Delay Cons

What does your customer do to address the problem and get the job

indirectly associated: customers spend free time on volunteering work (i.e.

By installing better temperature sensors, Gas

with threshold values and helps in reducing

Sensors, Humidity Sensors it compares readings

done? i.e. directly related: find the right solar panel installer, calculate usage and benefits;

2. JOBS-TO-BE-DONE / PROBLEMS

J&P

CS

Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides

Hazardous Area Monitoring for Industrial Plant powered by IoT

To avoid explosions - incase of high fluctuations temperature To avoid health issues -incase of leakage of 9. PROBLEM ROOT CAUSE

What is the real reason that this problem exists? What is the back story behind the need to do

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

If any explosions or poisonous gasses released in hazardous areas leads to loss of many human life and property. Here this device will help to reduce the dangerous explosions in industries and saves many human life by alerting them.

poisonous gases

It is used to detect hazardous areas in industries

4. EMOTIONS: BEFORE / AFTER

 $\mathbf{E}\mathbf{M}$

How do customers feel when they face a problem or a job and afterwards? i.e. lost, insecure > confident, in control - use it in your communication strategy & design.

Threatened > Secured

canvas and come up with a solution that fits within customer limitations, solves a problem

*instead of using normal alerting systems this device will alert the people before impact

*based on changes in hazardous values the device will work

*if temperature increases beyond threshold values then it will alert before impact this real time may helps to save the human lives

*similarly if any poisonous gasses releases then here our device will detect and alert the people in the area to save human lives

What kind of actions do customers take offline? Extract offline channels from #7and use