Team ID: PNT2022TMID25465

1. CUSTOMER SEGMENT(S)

Who is your customer?

CS

J&P

Wind energy producers.

6. CUSTOMER CONSTRAINTS

What constraints prevent your customers from taking action or limit their choices

Lack of Budget, They are not clear on how to utilize the wind turbine effectively to produce a steady electricity.

5. AVAILABLE SOLUTIONS

cons do these solutions have?

CC

RC

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 &

Estimation is calculated based in past year energy output.

2. JOBS-TO-BE-DONE / PROBLEMS

Which jobs-to-be-done (or problems) do you address for your

To analyse the output energy of wind turbine in changing weather conditions. And to store the data in a dataset.

9. PROBLEM ROOT CAUSE

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

> High initial cost setup and unpredictable changes in weather condition.

7. BEHAVIOUR

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

Calculates the usage and benefits. Collects the data from the potential wind farms and makes a comparison.

AS

BE

Explore AS, differentiate

3. TRIGGERS

What triggers customers to act?

If the customer finds it as an efficient solution. It will automatically trigger all other customers to do it.

4. EMOTIONS: BEFORE / AFTER

How do customers feel when they face a problem or a job and afterwards?

Before: Confused with improper energy flow. After: Happy with the efficient technique.

10. YOUR SOLUTION

TR

EM

If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.

If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.

The inlet condition of the wind turbine is forecasted by an auto regressive model. Hence it reduces the need for balancing energy and reserved power output energy.

8.CHANNELS of BEHAVIOUR



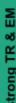
SL

What kind of actions do customers take online?

It will analyse the data which are previously uploaded and predict the output energy.

What kind of actions do customers take offline?

The inlet condition of the wind turbine is maintained constantly.



СН