Project Title: crop yield production Using data analytics

Project Design Phase-I - Solution Fit Template

Define Explore AS, differentiate 1. CUSTOMER SEGMENT(S) 6. CUSTOMER CONSTRAINTS CC 5. AVAILABLE SOLUTIONS AS CS Who is your customer? i.e. working parents of 0-5 y.o. kids Which solutions are available to the customers when they face the What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available CS, Demographic or need to get the job done? What have they tried in the past? What pros & Soil compaction cons do these solutions have? i.e. pen and paper psychographic Surface sealing behavioural is an alternative to digital notetaking fit into Low levels of organic matter geographic Climate change is the result of global warming Adopt and learn new technologies Focus on 2 JOBS-TO-BE-DONE / PROBLEMS J&P 9. PROBLEM ROOT CAUSE 7. BEHAVIOUR BE What is the real reason that this problem exists? What is the back store Which jobs-to-be-done (or problems) do you address for your customers? There What does your customer do to address the problem and get the job behind the need to do this job?
i.e. customers have to do it because of the change in regulations. could be more than one; explore different sides. Cope with climate change, soil erosion and biodiversity i.e. directly related: find the right solar panel installer, calculate usage and 1 J&P, J&P, Soil erosion benefits; indirectly associated: customers spend free time on volunteering loss work (i.e. Greenpeace) patterns of rainfall and tap into BE Increasing income environmental situations Satisfy consumers' changing tastes and expectations Generting employment oppurtunities Meet rising demand for more food of higher quality Reducing risk in agriculture 品 Improving quality of rural life Invest in farm productivity RC

3. TRIGGERS

What triggers customers to act?

i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.

- Farmers face issues such as high costs of production and low returns,
- high taxes on agricultural raw material. etc.

10. YOUR SOLUTION

TR

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.

- Reduce dirty water around the farm
- Improve nutrient use.

8. CHANNELS of BEHAVIOUR

8.1 ONLINE

SL

What kind of actions do customers take online? Extract online channels from #7

CH

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- Remote sensing technologies
- Software applications
- Hardware & support systems

4. EMOTIONS: BEFORE / AFTER

EM

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.

- Nitrogen pollution
- Green house gas emission
- Emission
- land

8.2 OFFLINE

What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.

- Reduced consumption of water ,nutients,fertilizer.
- Reduced negative impact on the ecosystem and better efficiency
- Reduced chemical runoff into the natural water resources
- Reduced production cost and many more.