Customer Driven Innovation

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Janet George
Customer Driven Innovation

Agenda

- Background of Innovation and Evolution
- Four Steps to Outcome Driven Innovation
- Jobs, Desired Outcomes, Process Steps and Constraints
- Outcome Based Segmentation
- Building Product Strategy, Portfolio and Road Map
- Market place co-evolution and co-creation of value
- Close
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Background of Innovation and Evolution
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Background and History

The Evolution of Innovation

% Successful Initiatives

Technology Driven Customer Driven


Source: Strategyn Inc.
Innovation is often seen as
- Piece of “Magic”
- Personal Inspiration
- Serendipity at work

Innovation is more of a conscious structured approach to analyzing the market for business opportunities.
- Technology is not always the main driver.

Innovation has three requirements
- Strategy
- Process
- Culture
- Skill set

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Outcome Driven Innovation
Market place co-evolution
Co-creation of value
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Outcome Driven Innovation Focus

Product Delivers Superior Customer Value

Identifying the right Product need

Build the Product right
What is outcome-driven innovation?

It focuses a company's actions and activities toward satisfying the outcomes customers are trying to achieve.

Source: Strategyn Inc.
## Customer Driven Innovation

### What is Outcome Driven Innovation?

- **Outcome Driven Innovation**
  - Helps to understand how customers measure value
  - Helps to successfully predict which ideas will succeed and which will fail
  - Value of an Idea is quantifiable.
  - Uses a measurement system that is based on customers, measures of value.

Customers use a set of Metrics – Measures of value called “Desired Outcomes”

Outcome Driven Innovation transforms innovation from a art to a science
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Outcome Driven Innovation

Outcome-Driven Innovation Methodology

1. Capture Customer Inputs
2. Prioritize Customer Inputs
3. Segment The Market
4. Brainstorm Concepts
5. Evaluate Concepts

Source: Strategyn Inc
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Innovation Statistics and Data

- **6 in 1 Million** ideas or concepts becomes a successful business or successful company

- Bankruptcies occur for **60%** of high tech companies that succeed in getting venture capital

- Mergers and liquidations occur in **30%** of start-up companies.

- **10%** of start-ups that succeed compensate for the other **90%** of the companies in the venture capitals investment portfolio.

- Having a talented CEO greatly increases the chances of the success for the startup.

- Portfolios are returning **4 or 5%** on an average in the venture business, versus expectation of **100%**

*Source: Venture Finance*
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Concept/Idea versus Execution

- Ideas are worth nothing unless executed. Execution is worth millions.
  
  Explanation:

  - Awful Idea = -1
  - Weak Idea = 1
  - So-So Idea = 5
  - Good Idea = 10
  - Great Idea = 15
  - Brilliant Idea = 20

  - No execution = $1
  - Weak execution = $1000
  - So-So execution = $10,000
  - Good execution = $100,000
  - Great execution = $1,000,000
  - Brilliant execution = $10,000,000

Ideas are easy. Execution is hard. In the real world ideas only get funded if the entrepreneur has a history of execution.

Challenges?

To make a business, you need to multiply the two. The most brilliant idea, with no execution, is worth $20. The most brilliant idea takes great execution to be worth $200,000,000.
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The Understanding Gap

Figure 1 The Understanding Gap

<table>
<thead>
<tr>
<th>How it was specified</th>
<th>How it was designed</th>
<th>How it was built</th>
<th>What the user really wanted all along</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Diagram" /></td>
<td><img src="image" alt="Diagram" /></td>
<td><img src="image" alt="Diagram" /></td>
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Source: The origin and appropriate attribution of this cartoon are unclear. It is widely repeated on the Internet and in presentations in a number of variations.

Source: Forrester Research, Inc.
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Four steps to Outcome driven Innovation
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Four steps to outcome driven innovation

- Step 1 Capturing and prioritizing Desired outcomes
- Step 2 Evaluating alternate ideas and solutions
- Step 3 Quantifying a solutions overall value
- Step 4 Generating ideas, identifying the most lucrative that is worthy of pursuing
Outcomes-Driven Innovation Methodology

1. Capture Customer Inputs
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Source: Strategyn Inc,
Customer Driven Innovation

Capture Customer Inputs

Step 1 Capturing and Prioritizing desired Outcomes

1. Capture Customer Inputs
2. Prioritize Customer Inputs

Understanding customer outcomes is mandatory for the innovation process
Step 1 Capturing and Prioritizing desired Outcomes

Observable behavior: Behavior which can be noted through one of the senses, (seen, heard, tasted, smelled or felt) usually described by action words, doing, writing, searching, listening.

Measurable behavior: Is a bit more complicated. In order to be measurable it must first be observable, in addition, the observer must be able to clearly determine whether the behavior is occurring, count the occurrences of the behavior and/or time the duration of the behavior.
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Why can’t we just ask the customer?

- Get customer requirements?

School of thought 1: All innovations start with conversation, observation, and understanding of the customer (current or potential) with the goal of surfacing and then filling the unmet need. Conversations with customers to “think ahead” and get them to imagine possibilities and cultural anthropology helps to “find a need and fill it”

School of thought 2: Customers don’t know what they need, at least until they see it, and sometimes a need doesn’t even exist until a solution is available to fill it. True understanding of a problem such as a need only emerges in parallel with, and codependency with, awareness of possible “solution” or approaches.
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TOOLS

Jobs, Desired Outcomes, Process steps and Constraints
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What is it?

- **Jobs**
  - Job is what customers hires a product or service to do.
  - Primary jobs, Supporting jobs and Ancillary jobs

- **Process Steps**
  - Aid in Methodical gathering of desired outcomes.

- **Desired Outcomes**
  - Criteria customers use to evaluate different solutions for a given job or set of jobs.
  - Structured as a true Metric or measures of value.
    - A direction of Improvement (Minimize or Increase)
    - A unit of Measure (Number, time, Frequency)

- **Constraints**
  - Roadblocks that stand in the way of performing the job altogether.

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**50-150 Desired outcomes are used to measure value of a product or service**
Products with 3% or more of incremental value will fail
Products with 5-10% of incremental value will maintain the market position
**Products with 25% of incremental value creates dramatic, break through solutions**
Primary Jobs

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Process

Step 1

Step 2

Step 3

Step 4

Primary Job-To-Be-Done

Targeted Job-To-Be-Done

Auxiliary Job-To-Be-Done

Supporting Job-To-Be-Done

Desired Outcomes

Constraints

Desired Outcomes

Constraints

Desired Outcomes

Constraints

Source: Strategyn Inc,
Customer Driven Innovation

Case study of Cell phones – Jobs and Outcomes Methodology.

Primary Job

Stay Connected

Target Job

Make phone calls on the move

Increase likelihood of staying connected anytime, anywhere

Inability to use cell in certain buildings

Other Desired Outcomes:
- Minimize the likelihood of errors while dialing.
- Minimize the time to power up.
- Minimize the likelihood of dropping calls
- Minimize the likelihood of phone breaking when dropped

Ancillary Job

Play Games

Minimize the likelihood of boredom at idle time

Limited battery time

Supporting/Secondary Job

Store names and phone numbers

Increase likelihood of auto dialing

Inability to easily punch in names and numbers

Other Ancillary jobs:
- Obtain driving directions
- Text messaging
- Ability to photograph

Other Desired Outcomes:
- Minimize the likelihood of errors while dialing.
- Minimize the time to power up.
- Minimize the likelihood of dropping calls
- Minimize the likelihood of phone breaking when dropped
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Key learning's

- **Primary Job (ALL JOBS ARE NOT EQUAL)**
  - Understanding the primary job or jobs that customers are trying to get done when using a product or service is critical.

- **Supporting Jobs**
  - Supporting jobs are executed in conjunction with the primary job.
  - Often helps gain dominance e.g. Apple ipod & itunes

- **Auxiliary Jobs**
  - Often has the potential to identify tremendous growth opportunities
  - Often has the potential to create the “WOW” factor.
  - E.g. Beverages – Satisfy thirst and get vitamins.

- **Constraints**
  - Roadblocks to success.
  - Often stands in the way of customers using a product to do a job.
  - Often prevents users from executing the job altogether.
  - Prevents use of product under certain circumstances.

Constraints that prevent customers
1) Gaining full utility
2) Using a product altogether – Represents Significant opportunities for Growth. Finding new ways to **overcome constraints** creates excellent opportunity and generate massive new growth.
Getting to a Job

- **Q** – What do you do when you have a health situation?
  - A  I go to the doctor.

- **Q** – What do you hope to accomplish when you go to the doctor.
  - A  Get information, knowledge or a cure for my health situation.

- **Q** – What does it mean to get information, knowledge or a cure your health situation?
  - A  Understand the symptoms of my condition and what I need to do to get myself cured.

- **Q** – What do you hope to avoid by going to the doctor?
  - A  I hate being sick or to die or not knowing what health problems I am having.

- **Q** – Why do you hate being sick?
  - A  Because I want to be/stay healthy and have a prolonged life.

- **Q** – So you are trying to determine how to be/stay healthy [paraphrase]
  - A  Yes

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Job: Determine How to Stay Healthy
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Capturing Inputs from the Customer

- Get out there in front of the customer and learn
- Requires asking the right questions to get the right inputs.

- Ask neutral questions. No leading questions
  - E.g. “Wasn’t that easy?”
  - E.g. “Tell me about that”

- Leave opinions, assumptions and biases behind
- Probe and listen, listen, listen.
- Ask why a lot.

Capture Findings – Memories are unrealizable
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Capture Customer Inputs

Step 1 Capturing and Prioritizing desired Outcomes

E.g. Case study Pratt & Whitney (P&W) jet engine division of United technologies

1) Captured 85 outcomes to measure value
2) Administered a quantitative survey to a large sample of P&W customers base.
3) Survey was designed to capture, importance of each desired outcome and satisfaction by P&W and its key competitors
4) Use opportunity algorithm to prioritize outcomes
5) Highest opportunity score had the most potential to add value.

Opportunity Algorithm

\[ \text{Opportunity} = \text{Importance} + F(\text{Importance} - \text{Satisfaction}) \]
Step 2 Evaluating alternate ideas & Solutions

E.g. Case study Pratt & Whitney (P&W) jet engine division of United technologies

1) Quantify the amount of value provided by current solution and competitions solution
2) Use satisfaction data points captured directly from customers in the quantitative survey.
3) Determine where along the continuum value is created.
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Step 3 Quantifying a Solution’s Overall Value

E.g. Case study Pratt & Whitney (P&W) jet engine division of United technologies

1) Calculate the amount of value delivered by concept or proposed idea.
2) Weight the desired outcome.
3) Determine the degree to which the solution satisfies the desired outcome.
4) Calculate cumulative amount of value the proposed solution delivers.
5) P&W proposed solution delivered 49.8% desired value as compared to 48.3% delivered by existing offering versus competition solution which delivered 53.4.
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Step 4 Generating ideas, identifying the most lucrative that is worthy of pursuing

E.g. Case study Pratt & Whitney (P&W) jet engine division of United technologies

1) Recognizing that better satisfying desired outcomes that are already adequately satisfied will not create additional value
2) Knowing where and where not to create value is the key to outcome driven innovation.
3) Satisfying one or more of the desired outcomes while inadvertently taking value away from others will dilute the total value of the solution.
4) To successfully generate breakthrough solutions, identify and address the right opportunities through the “Ideation Process”
5) Deliver at least 25% more value than existing solution of 48%, so the breakthrough solution has a total value of 73%.
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<td>Outcome Based Segmentation</td>
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History and Evolution of Segmentation.

**1950**
Demographics based Characteristics, Age, Gender, Geographic location

**1970**
Demographics and Psychographic, based on Customer traits, attitudes towards Products and services

**1975**
Demographics, Psychographic Profile and segment based on income and past purchase behavior

**1980**
“Needs-based” Segmentation, based on sophisticated clustering Techniques, for most appealing Product and features benefits

2002
Outcome Based Segmentation. Customers desired outcomes is used as a basis for segmentation

Markets are naturally segmented from a customer perspective, based on what they want a product or service to do for them.

Outcome based segments are discovered and created in the same way as “needs based” segments with sophisticated clustering techniques, but very different inputs.

Outcome based segmentation identifies group of customers who find a unique set of outcomes to be both important and unsatisfied.
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Criteria for Outcome Based Segmentation

- Identifying **what outcomes makes customers different** is key to outcome based segmentation.

- Only Outcomes that **explained differences** in what customers wanted to achieve when getting the job done were included in the clustering process.

- Different segments of opportunity want to get the jobs done in a unique way and **value improvements along different dimensions**

- **Discovering the existence of such segments** is the key to uncovering **high-growth market opportunities**.

Outcome Based Segmentation allows to **discover market entry points for disruptive technology** and goes a long way in establishing the foundation of a market and product Strategy.

In Outcome Based Segmentation the resulting segments are quite literally **segments of breakthrough opportunity**.
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Building Product Strategy, Portfolio, Road Map
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Building Strategy, Product Portfolio and Road Map

- Ability to identify which outcomes are valued across the markets and which are valued uniquely within specific segments of the market.

- Ability to create the platform of products that includes features and functions of universal appeal.

- Ability to create additional features uniquely valued by users in each of the targeted segments.

- Target Customers pay for features that they value in their segments contributing to higher levels of customer satisfaction.

Pitfalls: Managers fails to distinguish one type of information from the other. Even though each type of information is distinctly different and drives the innovation process in a different direction.
The outcome-based methodology typically takes less than 4 months to complete.

*Source: Strategyn Inc,*
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Market place co-evolution
Co-creation of value
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www.movoto.com
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www.zillow.com
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Close

“A systematic way to find and solve important customer problems others have missed”

- Scott cook