

Problem-Solution fit canvas 2.0		Airline Data Analytics For Aviation Industry	
Focus on J&P, tap into BE, understand	<div><div>1. CUSTOMER SEGMENT(S)<div>CS</div></div><div>❖ Customers are airline and airport services who are struggling to keeptrack of their forecasting data and planes arrival and departure.</div><div>❖ Airlines literally bear high costs due to delays and cancellations that includes expenses on maintenance and compensations to travelers stuck in airports. With nearly 30 percent of the total delay time caused by unplanned maintenance, predictive analytics applied to fleet technical support is a reasonable solution.</div></div>	<div><div>6. CUSTOMER CONSTRAINTS<div>C</div></div><div>What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.</div><div>❖ Customer experience in the airline industry is often defined as what the customer perceives and experiences while traveling through the different departure stages and arrival in an airport.</div><div>❖ Mid-air: It is the best time to engage with passengers and understand their in-flight expectations. Start with the basics like seating comfort and crew etiquette.</div><div>❖ Post landing: Inspect through passengers' eyes and listen to their opinion. That's a great way to enhance your online reputation, post-flight.</div></div>	<div><div>5. AVAILABLE<div>A</div></div><div>Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital notetaking</div><div>Flight Turnaround Analytics:<div>❖ Provides insights on process inefficiencies in a flight turnover. The video annotation service helps to capture the time taken by each specific activity within flight turnover using video monitoring used for ground activities.</div></div></div>
	<div><div>2. JOBS-TO-BE-DONE / PROBLEMS<div>J&P</div></div><div>Which jobs-to-be-done (or problems) do you</div><div><div>❑ Collecting data related to flight operations and inventory. You will use proprietary software like Airmax, for instance, or simple tools like Microsoft Excel to gather statistics related to important metrics called Key Performance Indicators (KPI).</div><div>❑ Optimising flight operations based on quantitative analysis. You will have to advise your management on trends and bottlenecks that you observe from data analysis so they can take the necessary action</div></div></div>	<div><div>9. PROBLEM ROOT CAUSE<div>R</div></div><div>What is the real reason that this problem exists? What is the back story behind the need to do this job? i.e. customers have to do it because of the change in regulations.</div><div>❖ A root cause analysis is performed as a reaction to risk management processes as defined in your aviation SMS manual.</div><div>❖ The purpose of the analysis is to understand the causal factors that trigger substandard safety performance within a particular event, whether the event is an: accident, minor incident, or close call.</div></div>	<div><div>7. BEHAVIOUR<div>B</div></div><div>What does your customer do to address the problem and getthe job done? i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)</div><div><div>❑ Using airport analytics, data analysts can collect information on people who pass through various checks, like their gender, arrival times, baggage-check in times and the type of flight they take to better understand passenger behaviour.</div><div>❑ A better understanding of how passengers operate can be used to improve services</div></div></div>
	<div><div>3. TRIGGERS<div>TR</div></div><div>What triggers customers to act? i.e. seeing their neighbour installingsolar panels, reading about a more efficient solution in the news.</div><div>❖ In Aviation Industry,due to incidents like flight delays passenger may face delays in departure and arrival of flight.</div><div>❖ It is very hard to maintain the overall data.But if they use Data Analytics Report,Performance and Quality are reliable and profitable.</div></div>	<div><div>10. YOUR SOLUTION<div>SL</div></div><div>What kind of solution suits Customer scenario the best? Adjust your solution to fit Customer behaviour, use Triggers, Channels & Emotions for marketing and communication.</div><div>To design an Airline Data Analytics Report for Aviation Industry using Cognos Analytics.</div><div>Enable Email based alerts for arrival and departure or migt and it also sendas messages related to the changes in configuration of flight path parameters.</div><div>Provide a option for graphical view of aviation industry.</div></div>	<div><div>8.1 ONLINE CHANNELS<div>CH</div></div><div>What kind of actions do customers take online?Extract online channels from box #7 Behaviour</div><div>Online Airline Analytics for Aviation Industry which come for free may steal personal information of users and it may also contains a lot of ads.Security is not authenticated.</div></div>
Define CS, fit into CL	<div><div>4. EMOTIONS: BEFORE / AFTER<div>EM</div></div><div>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.</div><div>❖ Before:They feel lost due to losses which occur due to improper management of Airline Analytics for Aviation Industry.</div><div>❖ After:They feel like success after making increased profits,reducing the mistakes that happen in manual process.</div></div>		<div><div>8.2 OFFLINE CHANNELS<div>CH</div></div><div>What kind of actions do customers take offline? Extract offline channels from box #7 Behaviour and use them for customer development.</div><div>❖ Manual logs can be maintained.Employees can be hired to maintain the airline analytics for aviation industry system logs when the business grows.</div></div>
		Explore AS, differentiate	