Jet Stream

What problem are you trying to solve?

Can we streamline the airport experience so that people can get from their sofa to their seat on the airplane with as little stress and time as possible?

The airport experience has become stressful and difficult to navigate for both the frail and families with young children, whatever about time-consuming for all passengers. In addition, passengers are squeezed through a series of pinch-points forcing them to interact with crowds unnecessarily. Based on past performance, an airport's solution to COVID-19 might be to make the airport even bigger and thus, even more time-consuming and stressful to navigate as it tries to disperse passengers over a greater area so that they can keep a distance.

Enough is enough. We need to rethink the airport so that it is not a huge unwieldly building consuming vast amounts of energy and people's time. The airport has forced passengers to adapt to various changes and events over the years but a sustainable city will require the airport to adapt to the needs of the end-user instead. In doing so, the economy will save hours of time and the airport can become a healthier, more sustainable and user-friendly building. Green aviation is coming but what about a greener airport?

How do you plan to solve the problem?

Jet Stream provides an integrated technological solution to streamline the airport experience. By combining mobility services with on-board checks passengers can travel efficiently and safely to and from the airplane. The solution creates an accessible airport experience as well as tremendous savings in time for both the economy and business travelers who frequently sacrifice family time. The service also ensures that passengers no longer have to unnecessarily engage queues and crowds that are a common part of the airport experience.

How do you plan to make this solution a reality?
Do you have an action plan?

The solution synthesises a rail service with technology that is mostly existing or in the pipeline. The user-experience occurs via an app, which serves to provide alerts and notifications as well as satisfy check-in and identity checks. The rail service serves as a chamber, through which passengers and their luggage can be passively scanned for health and security threats. As the Jet Stream connects directly with city transit and the airplane gate, there is sufficient time to both complete safety scans or alert security to intercept a rogue passenger moving to the gate. On board-scans would include temperature checks of passengers for health reasons, facial recognition for known human threats and sophisticated baggage and body scanners. All of these technologies are already in development.

Why is your solution innovative?

Jet Stream disrupts the business model of the airport, which largely relies on an unnecessarily captive audience. The solution forces a wholesale rethink of existing airport design, most of which is garbage and unsustainable when we take into account an airport's poor accessibility and high energy requirements. Airports have taken the lazy route to various events over the years by simply getting bigger and more inefficient. Based on past performance the solution to COVID-19 will be to get bigger again to ensure passengers have more space. Jet Stream provides an efficient, safe, stress-free, healthy, accessible and sustainable solution that is built around the needs of users, rather than airports' business models and a ridiculously small percentage of passengers who represent security threats.

How scalable is your solution?

The pain is felt by all passengers and the economy in terms of lost-time. There are twenty Nordic airports which handle more than one million passengers per annum. Of course, there are many airports in the world. The challenge is how to partner with an airport whose business model is potentially disrupted due to Jet Stream's ability to bypass airport services. Jet Stream would essentially operate like a conventional transport provider by charging a fare. Perhaps this is what is shared with the airport authority to provide both access to the airport site and to offset lost shopping revenues. Of course, as airports are large, unwieldy and expensive buildings, airport authorities will be slow to embrace a solution which effectively makes much of the traditional airport redundant.

How does your solution make an impact?

Copenhagen airport has an average of c.100,000 passengers per day. This is the equivalent of a small city. The top 20 airports in the Nordics account for 157 million passengers per annum. The solution dramatically improves airport accessibility for the frail and those travelling with young children. In addition, Jet Stream reduces the energy requirement of airport buildings, which no longer need to be so big to accommodate the passengers who will bypass them in favour of travelling directly to the gate.

Is your solution built on prototype or is it a conceptual solution?

Conceptual

Link to your pitch video (on Youtube, Google Drive or Vimeo)

https://vimeo.com/475532799