

Airline Safety – The future with Data Analytics

Stimulating Digital Innovation and Collaboration

March 2018

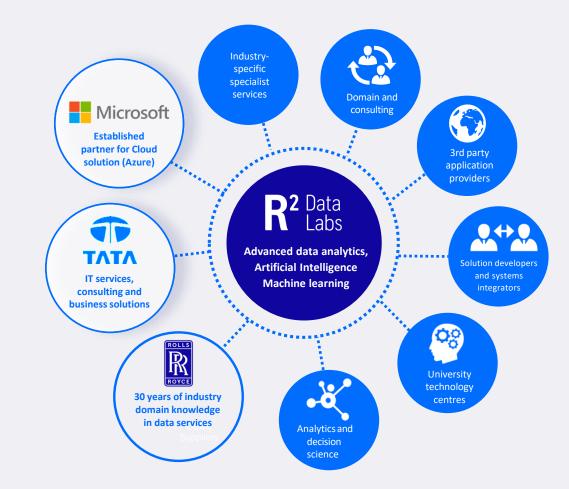








collaborating with best-in-class to power an analytics ecosystem







Airline customers express a need for more insight

to do more to improve safety?

- Airline customers express a need for more insight to enable them to FOCUS their PROACTIVE care where it's needed more
- Can we integrate Safety Management (SMS) data with continuous operational data (QAR & Weather & more)



"we want to help aviation safety by using captured safety management knowledge to develop predictive analytics from ALL available operational data"





How to provide earlier awareness across the operation to inform its safety management care?

early Awareness, quicker Help



- factors growing their affect in fleet risk
 - Line Operations: gaining personal perspective
 - Flight Training: early insight into where to review
 - Safety Management: growing risk and emerging cause





How can I be more aware of what lies ahead?

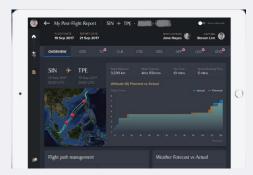
How can I look back upon this flight?

How can I see how I compare to fleet?



Line Operations, gaining personal awareness





Pre-Flight

- What do we know about this route?
- What lies ahead today?

Post-Flight

- How did that flight go, would I have done anything differently?
- How do I compare to the fleet average, is this improving?

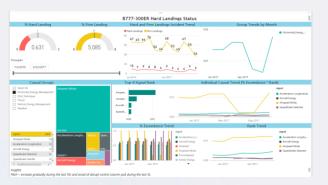


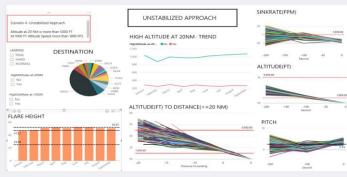
What is changing in the fleet?

Should we change the training program?

Should we help in a more specifically?

Flight Training, quicker to understand





- What can I see more quickly and more clearly
 - What can the data tell me? what is changing across the fleet
 - How can I gain a quicker ability to look for what I know?





How do we bring the expertise closer to big data?

How can I find new patterns that could grow without mitigation?



Safety Management, what can I find?



- How can I gain quick access to ALL data
 - to explore to find unprotected risk
 - to change the shape of the operation
 - to protect against future threats



Data & Perspective

How can we gain more airline operational perspective?

Collaborate across the skies



- Can we give more to Individual Airlines
 - managing a risk innately, doesn't mean it is not there
 - Really finding useful insight ... depends on its contrast



Can we share our data, in a safe place, for a safe pursuit...

Agility

Innovation

Acceleration



