



Telemedicine for Air Transport

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Tempus IC In Use



About RDT

- RDT were the Prime Contractor on this project
- Based in Hampshire UK, operating for over 10 years in remote medicine with a proven track record
- Full service company, design, manufacturing, regulatory, sales and customer support
- Specialise in the development of remote medical equipment for:
 - Aviation, maritime, military and remote land locations



Commercial Success?

- Major International Airlines
- Corporations
- Head of State
- Super and Mega Yachts
- Commercial Shipping
- Military

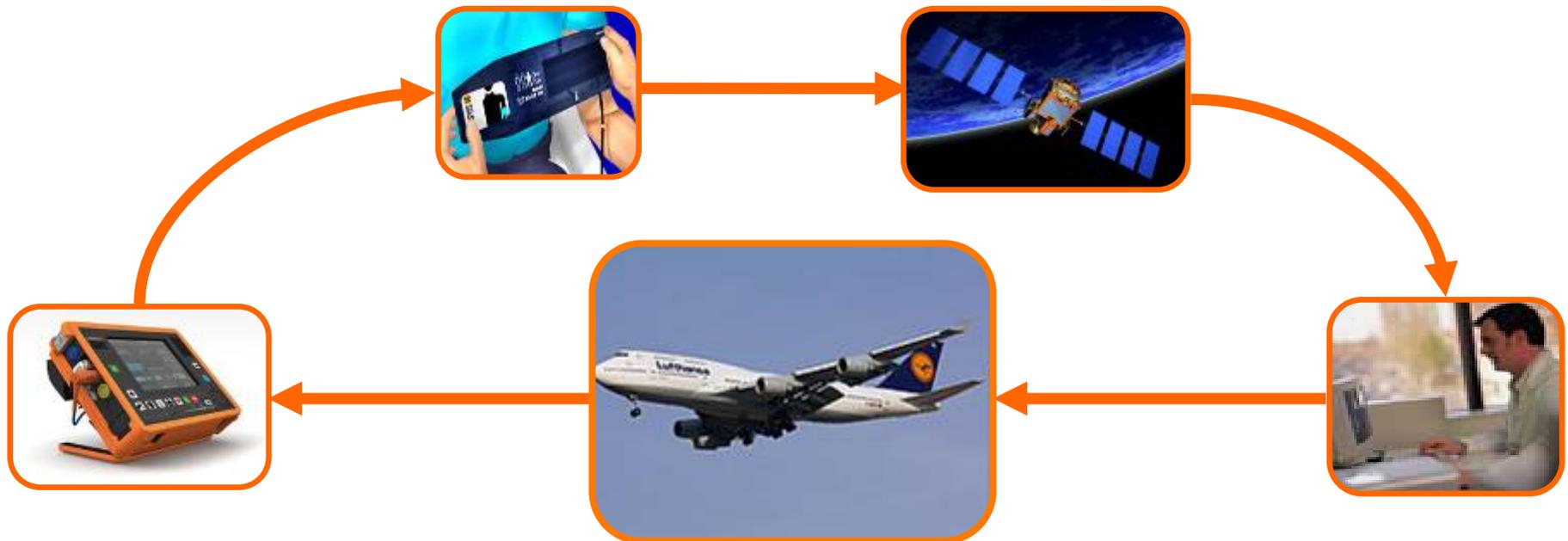


Commercial Success?



Use of Space Assets

- This project utilizes space assets for the transmission of key medical data from the aircraft to the ground:
 - Classic satcom for legacy aircraft
 - Emerging broadband connectivity
 - Allows multiplexed two way voice communication
 - Enables transmission of real time moving video
 - Enables a single connection or even a wireless connection



Working with IAP



- Projects must be end user driven and utilise space based assets
- Big focus on projects that can deliver sustainable commercial success utilising space based assets
- Up to 50% co-funding is a big benefit
- Structured rigorous process



Working With IAP - Bidding

- ESA are guardians of public money so as you would expect ESA utilise a very structured bidding process
- There is an open call for projects but projects need to be user driven:
 - End user contribution is critical
- Need to be prepared to invest significant time in bidding process
 - Delivers benefits downstream whether successful or not
 - Forces you to think about and validate the project
- Allow six months for the bidding process in demonstration projects
 - This needs to dovetail with JCB meetings.

Working With IAP - Process

- ESA are guardians of public money so projects need to be very structured:
 - RDT has a structured design control process that fits in broadly with the ESA requirements
 - ESA are very good at project management and have some useful tools for this
- Regular meetings and open dialogue keep project on track
- Focussed on developing commercially successful technology so need to focus on business plan throughout the project



Working With IAP - Benefits

- Significant benefits in addition to co-funding
- Access to industrial contacts
- ESA Technical Officers can give a broad perspective
- ESA structures enforce good project discipline
- Public relations benefits e.g. the video shown earlier
 - TV Coverage
- Working with ESA gives cross fertilisation benefits
 - Other ESA projects
 - Other Industrial partners
- The respected ESA name and brand brings credibility and additional benefits
- Opportunity for follow on work





Summary

- Project was commercially successful and is reducing medical diversions and improving passenger care
- IAP was an enabler for this project
- IAP brings significant benefits in addition to the co-funding element