



The Technology Partnership plc  
Melbourn Science Park  
Melbourn  
Hertfordshire  
SG8 6EE UK

T +44 1763 262626  
F +44 1763 261582  
www.ttp.com

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**Enquiries to:** **Tim Palmer or Jean Thompson**  
**The Technology Partnership**  
**+44 1763 262626**  
**tim.palmer@ttp.com or jean.thompson@ttp.com**

### TTP delivers airborne phone technology to AeroMobile

TTP have completed the design and implementation of a key enabling technology for the provision of airborne mobile phone services for the market-leading AeroMobile system. AeroMobile provides airborne mobile telephony systems that permit the safe use of passengers' own mobiles on commercial aircraft. Passengers will be able to safely use their own mobile phones in aircraft equipped with AeroMobile just as they do on the ground. The AeroMobile system has been selected by Dubai-based airline Emirates for fleet-wide deployment and Australian airline Qantas for a domestic trial. AeroMobile was also featured by Boeing on its 777-200LR "Worldliner" aircraft in 2005.

**TTP's unique skill set provides high technology solutions.** One of the key requirements for on-board mobile telephony is to prevent passengers' handsets from communicating or attempting to register with the existing ground-based mobile phone networks. This is necessary to support regulatory approvals from the appropriate telecoms regulatory authorities in each country that is overflowed by an AeroMobile-equipped aircraft. To meet this requirement, TTP designed and implemented a Cellphone Radio Frequency Management Unit (CRFMU) using the latest digital and RF technologies that successfully isolates the passengers' phones and the AeroMobile system from possible interference to ground telecommunications networks.

TTP were able to bring a wide range of expertise to this project, including RF design, high-speed digital electronics, embedded software and mathematical modeling. Our project management techniques enabled us to meet challenging international deadlines with the first units being made available within short timescales whilst still meeting the high standards of design and technical performance demanded by the aerospace industry.

**AeroMobile Marketing Director, David Coiley comments :** "TTP offered a very highly-skilled and innovative approach to the development of the CRFMU, producing working units within very tight timescales whilst still allowing a flexible approach to accommodate the evolving technological and regulatory goals."

**Peter Taylor, TTP Managing Director:** "We are delighted to have been able to bring so many of our skills to bear in this exciting development for AeroMobile. TTP is uniquely placed to undertake such developments and our teams thrive on the challenge."

## **About TTP**

TTP is Europe's leading independent product and technology development and licensing company. TTP's primary objective is to create new business based on advances in technology. TTP specialises in communications, medical products, digital printing, microdevices, optics, vision, consumer and industrial products. The company, established in 1987, is headquartered in Melbourn (near Cambridge, UK) and employs 300 scientists and engineers.

For more information visit [www.ttp.com](http://www.ttp.com)

## **For more information please contact:**

Tim Palmer or Jean Thompson  
The Technology Partnership plc  
Melbourn Science Park  
Melbourn  
Herts  
SG8 6EE UK.  
+44 1763 262626  
[tim.palmer@ttp.com](mailto:tim.palmer@ttp.com) or [jean.thompson@ttp.com](mailto:jean.thompson@ttp.com)  
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