



SOLUTION BRIEF

MOBILE ASSET TRACKING

Alien is the industry leader in driving successful Mobile Asset Tracking UHF RFID implementations. We are presently engaged in multiple large implementations. At the most mature implementation Alien has equipped over 20,000 operator vehicles, several Distribution Centers, numerous garages and is actively tracking over 300,000 STB and residential gateway assets per month.

The Problem...

Customers are extremely demanding in this space:

- Require 100% read success
- This is in a mobile platform (service vehicle)
- Metal shelled vehicles are full of tagged metal assets
- Assets are sourced from multiple different vendors

Goals:

- Reduce field inventory levels
- Reduce inventory write-offs
- Reduce physical inventory labor (and cost)
- Shorten return product cycles
- Increase reverse logistic visibility
- Automate audits



How Does Alien Technology and People Solve the Problem?

Alien has over 24 months of experience with several different service providers. While each solution has different challenges all share a core set of problems that Alien has been able to overcome where prior contractors failed.

Alien Technology Feature	Description	Benefit
Experience in the Mobile Asset Tracking Space	Thorough understanding of the application challenges and the supply chain.	Appropriate equipment selection and knowledgeable Alien staff to drive implementation (on-site).
Broad-range RFID Technology Supplier	Alien can provide RFID tags, mobile and/or fixed readers, software infrastructure and training. Alternatively we can supply RFID chips to other tag providers.	Alien has a large portfolio in all these areas allowing the appropriate technology to be selected in order to address the unique needs of the customer.
Alien's unique Value Added Partner Network	Partners work in cooperation with Alien to provide a complete system one-stop-shop.	Customer has a single point of contact. Alien can provide the complete system solution including software.

What is the Financial Benefit of the Technology?

Most of the benefits are confidential to the customer but all goals have been achieved including but not limited to:

- Inventory levels reduced by 20%
- Returned life cycles shrunk by 22%
- Physical inventory effort reduced by 50%



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DISCLAIMER Application recommendations are guidelines only - actual results may vary and should be confirmed. This is a general purpose product not designed or intended for any specific application.

IC products are covered by one or more of the following U.S. patents: 7967204, 7931063, 7868766, 7737825, 7716208, 7716160, 7688206, 7671720, 7659822, 7619531, 7615479, 7598867, 7580378, 7576656, 7562083, 7561221, 7559486, 7559131, 7554451, 7551141, 7542301, 7542008, 7522055, 7500610, 7489248, 7459705, 7452748, 7425467, 7417306.

7411503, 7385284, 7377445, 7364084, 7353598, 7342490, 7324061, 7321159, 7301458, 7295114, 7288432, 7265675, 7262686, 7193504, 7173528, 7172789, 7141176, 7113250, 7101502, 7080444, 7070851, 7068224, 7046328, 6998644, 6988667, 6985361, 6980184, 6970219, 6952157, 6942155, 6938448, 6927085, 6916380, 6780696, 6731353, 6693384, 6683663, 6665044, 6657289, 6623579, 6606247, 6606079, 6590346, 6586338, 6566744, 6555408, 6527964, 6479395, 6468638, 6420266, 6316278, 6291896, 6281038. Other patents pending.

Tag products are covered by one or more of the following U.S. patents: 7967204, 7931063, 7868766, 7737825, 7716208, 7716160, 7688206, 7659822, 7619531, 7615479, 7598867, 7580378, 7576656, 7562083, 7561221, 7559486, 7559131, 7554451, 7551141, 7542301, 7542008, 7531218, 7522055, 7500610, 7489248, 7459705, 7425467, 7417306.

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Reader products are covered by one or more of the following U.S. patents: 7716208, 7716160, 7688206, 7671720, 7659822, 7619531, 7615479, 7598867, 7580378, 7576656, 7562083, 7561221, 7559486, 7559131, 7554451, 7411503, 7385284, 7377445, 7364084, 7353598, 7342490, 7324061, 7321159, 7301458, 7295114, 7288432, 7265675, 7262686, 7215249, 7214569, 7199527, 7193504, 7173528, 7172789, 7141176, 7113250, 7101502, 7080444, 7070851, 7068224, 7046328, 6998644, 6988667, 6985361, 6980184, 6970219, 6952157. Other patents pending.