

L. Bisson-Read, IoT Cart Tracking Design Board

Objective: Track stolen carts at a price less than the cost of carts

Equipment	Range	
Cart #1	● In Store	
Cart #2	● In Parking Lot	
Cart #3	● Out of Range	➤ Start GPS Tracker

Missing carriages represent big losses for stores. The cost is estimated at more than \$800 million a year in U.S. supermarkets.

Beacon asset tags

Carts cost anywhere between \$75 and \$300. Long range tracking devices can be expensive, and typically require a local power source which would then be a maintenance issue.

The challenge is to apply low cost, low maintenance asset tags that act as a beacon. The solution would need to support indoor and outdoor use with long-range tracking, preferably using locator applications available on most mobile phones.

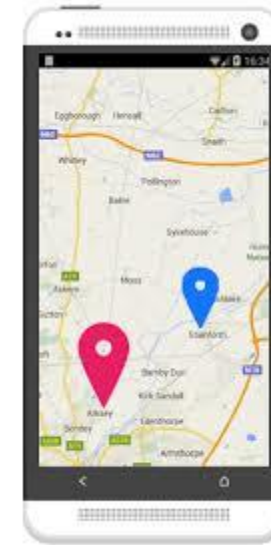
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Carts



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Track



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