

Development of an award-winning low-cost, wireless wrist monitor



Our client asked us to develop a low-cost wrist monitor worn by both the child and the parent for alerting when a baby cries or a toddler wanders off out of range.

We created a novel, low-power, battery-driven radio as a base for the solution that included:

- two units, one for the parent and one for the toddler
- monitoring of up to three children simultaneously
- warnings if a child cries or exceeds a set distance range
- also monitors room temperature and functions as a digital watch
- product size of only 35mm

The product was the 'Best of Innovation' winner in the CES Innovation Design & Engineering Awards.

Technologies

- Sensors
- Acoustics
- Wearables

Domain expertise

- Parent and baby
- Product development

