



RAJANT



RAJANT Case Study

ES1 BREADCRUMB DESIGN



Partnership

- Rajant Corporation, a broadband communications technology company that invented patented Kinetic Mesh[®] networking, BreadCrumb[®] wireless nodes, and InstaMesh[®] networking software, partnered with Vizmonet for the development of wireless networking hardware components and systems
- Vizmonet was entrusted with the system design , development & Product life-cycle management of ES1 Breadcrumb system, from scratch



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Kinetic Mesh[®] networking, BreadCrumb[®], and InstaMesh[®] are registered trademarks of Rajant Corporation

vizmo
FREEDOM FROM WIRES



Product Requirements



Collaborative Design

- Vizmonet took care of the whole system hardware design , right from circuit design to product packaging.
- Vizmonet was acting as Satellite R&D center for Rajant and managed the complete product life-cycle.
- Vizmonet team worked very closely with Rajant development team during product design, characterization and validation phases, continuously improvising the design to meet the demanding and stringent Rajant Quality requirements.
- Vizmonet team worked with regulatory Labs to get the product approved for FCC/IC/CE and other geography specific homologation.

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Solution

- Award winning ES1 Breadcrumb family
- ES1 family was selected by Rajant for deployments in Hazardous locations governed by ATEX1(EU) and C1D1 (USA)
- Diverse frequency combinations
- Operating frequency combinations covering 900 MHz, 2.4 GHz, 4.9 GHz, UNII-B1,B2A,B2C & B3 Bands
- Multiple derivatives for OEM integration
- -40 deg C to +85 deg C Operating temperature
- 24x7x365 High Availability
- FCC/IC/CE Regulatory Approvals.



End Results

- Vizmonet' Partnership adds value to OEM customers' offerings
- ES1 Breadcrumbs gained great traction and acceptance across various industry verticals
- It has helped Rajant to expand into new markets
- The project was a great success for Rajant and their customers
- As of now, thousands of Es1 Breadcrumbs have been manufactured, shipped and deployed successfully across the globe.

Case Study



Why Vizmonet?



WIRELESS DESIGN EXPERTISE

- With over 90 years of combined Wireless product development experience and in-depth understanding of wireless eco-system
- Continuous Innovation



ZERO-DEFECT QUALITY POLICY

- We aspire to achieve zero-defect as part of our Quality commitment.
- Continuous Process improvements by leveraging on home-grown Test, Process and Operation Automation Tools



BRAND PROMISE

- VIZMONET as a brand helps your brand grow.
- Business well knitted with Integrity as the core Value
- Our products are complimentary to Customers and not competing in the same market space.

Case Study

Thank you

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