The Near-term Roadmap….. 1/3

Updated in November 2009

- RFID hardware and systems – to develop core design capabilities, facilitate system implementation and manufacturing processes of RFID tags and readers that are related to targeted logistics management applications.
  - Key research areas include
    - Case-level and item-level tagging technologies
    - Low-cost RFID tag and reader design and manufacturing methods for specific applications
    - RFID benchmarking and testing methodologies
    - RFID system for mobile applications

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The Near-term Roadmap….. 2/3

- Networking and infrastructure technologies – to develop advanced computer networking and information infrastructure technologies for industrial adoption of information technologies in their business processes and for enabling efficient and effective business integration among enterprises, in order to nurture the technology enabled environment for competitive advantage of the local industry
  - Key research areas include
    - Enterprise e-Logistics internetworking
    - Infrastructure technologies for mobile and wireless communications
    - On-demand service platform technologies for logistics application software

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The Near-term Roadmap….. 3/3

- Applications and decision support technologies – to reinforce Hong Kong's position as a world-class logistics hub with advanced technologies and to assist Hong Kong industries to increase their competitiveness:
  - Key research areas include
    - Cross-border logistics management
    - Asset and personnel tracking in office, hospital, building and construction, event & exhibition environments, etc.
    - Inter-enterprise integration
    - Food and drug supply chain safety and quality management
    - IT applications for fleet, barge and waterway logistics industries
    - Retail, manufacturing, and logistics operations

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Long-term Roadmap

- For a longer term planning which aims to align technological direction with worldwide trend and focus, green logistic and supply chain management will definitely need to be addressed. In the future, companies are moving towards a green and sustainable supply chain that can improve the profitability of the companies and help the environment. However, achieving a green supply chain concerns a wide range of challenging topics related to innovation and technology including: -

  How to achieve energy efficiency in factories and warehouses; Sustainability in water and materials management; Recycling and waste reduction; Achieving zero landfill; Green manufacturing technologies; Supplier management for greening; Analysis of “green” regulations will continue to impact logistics operation; How to go green while meeting manufacturing ROI; Manufacturing carbon footprint measurement and management – what to measure, how to measure it, and how to report it, etc.
- With Green Supply Chain remaining one of the Top 10 Supply Chain Management trends, it is an issue that research communities and industry cannot afford to ignore. LSCM will continue to work with industry and research groups and further investigate this for the long-term technology development plan.

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