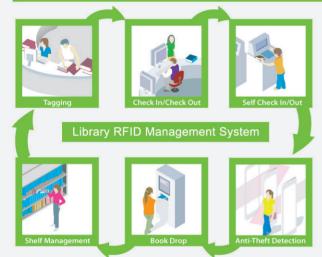# *i*-Lib RFID Library Management System

Introduction

Academic and public libraries have grown their services to their patrons from simply offering books and periodicals to now adding multi-media items such as CDs and DVDs. Throughout this growth in material resources offered, there are also growing concerns on the security of the collection assets and improving service levels to the patrons. Therefore, many libraries have sought ways to reduce operating budgets to offset the growing capital costs of management and now it can be easily solved by JESIC's *i*-**Lib** RFID library management system.

Tagging — Check In/Check Out — Self Check In/Out

Library RFID Management System

Shelf Management — Book Drop — Anti-Theft Detection

Features

The system mainly consists of self-check in/out kiosks, handheld readers, anti-theft gates, self check-out book drop facilities and a custom-made application software. By tagging the RFID tags onto the collection assets, it offers the following features:

▶ Deployment of RFID technology developed by City University of Hong Kong
▶ Self check-in/out process (Maximum 5 items each time)
▶ 24-hours check-in/out process
▶ Shelf management
▶ Anti-theft detection of library assets

Benefits

▶ High reliability of RFID technology developed by City University of Hong Kong
▶ Efficiency improvement for check in/out process and shelf management
▶ Human resources reduction
▶ Patron service improvement
▶ Security enhancement of library assets

Applications

▶ Libraries
▶ Multimedia rooms
▶ Magazine rooms
▶ Documentation rooms

RFID Development at City University of Hong Kong

Wireless Communication Research Center of the City University of Hong Kong has a group of professional and experienced engineers in RFID system design. One of their prominent RFID-related projects is library management system and it is established and operated at City University of Hong Kong.

JESIC Technology Limited is primarily a leading edge Radio-Frequency Identification (RFID) solution provider along with RFID system design, development and integration. We offer RFID solutions that address common situations in addition to our bundled RFID solutions, and also have the experience and knowledge to successfully address unique requirements.

JESIC

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