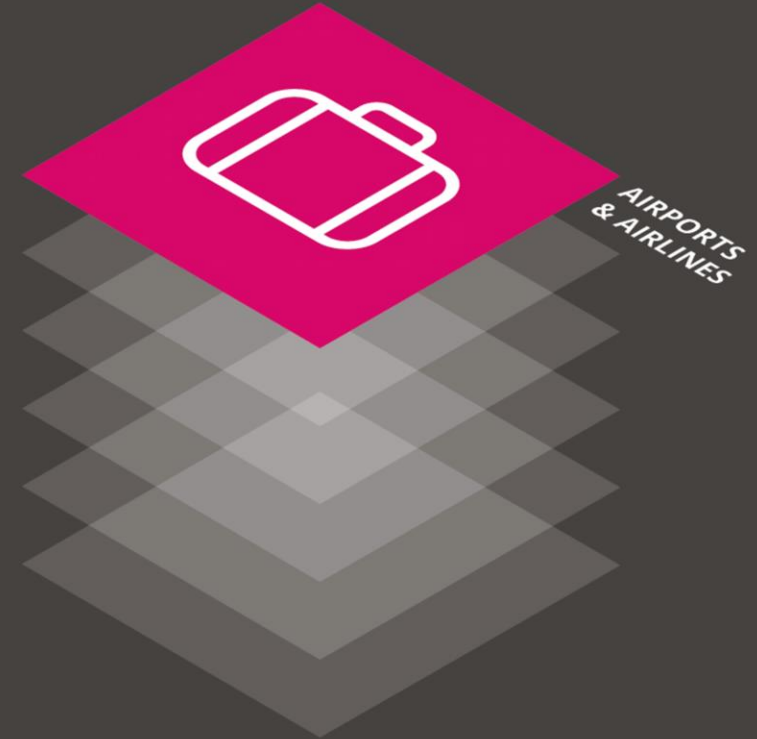


Lyngsoe Systems

# SWAN RFID Users Meeting 2023

# INTELLIGENT LOGISTICS: FULL VISIBILITY, TRACK AND TRACE



# Business Units

## LIBRARY



Integration of library systems with cutting edge self-service lending, returns and sorting systems using RFID or barcodes

## POSTAL & LOGISTICS



Helping Postal Operators develop new or improved products and cut costs whilst enhancing customer trust, efficiency, quality and capacity

## HEALTHCARE



Creation of real-time visibility of the location of all resources, enabling superior performance and transparency in the hospital environment

## MANUFACTURING & SUPPLY CHAIN



Our solutions help grow businesses and reduce costs by providing visibility, traceability and predictability with live, automatic registrations and system-to-system integration

## AIRLINES & AIRPORTS



Support of the entire baggage journey end-to-end with cutting-edge RFID products to improve baggage quality and increase passenger satisfaction

## CUSTOMS & SHIPPING



Our solutions helps to reduce tampering with and theft from cross border transports and at the same time improve logistic operations throughout the supply chain





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# LIBCABINET™

OPERATIONAL EFFICIENCY, ACCESSIBILITY, INVENTORY MANAGEMENT, STAFFING CONSTRAINTS

- Can be placed in any location – uncomplicated lending and return process – 24/7 access
- Conventional operating hours can sometimes act as barriers – limiting patrons from accessing resources at their convenience
- Real-time inventory, intuitive user experience, cost efficient
- Modern features – smartphone ID
- Very large capacity 200+ items
- Multiple color options and/or custom wraps





# INTELLIGENT RETURN SHELF™

## MODERNIZE THE LIBRARY RETURN PROCESS

- Streamline check-ins, enhance security, reduce staff workload – all while elevating the patron experience
- Returning materials is as easy as placing an item on a shelf – every item is scanned and checked in within 5 seconds (and automatically secured)
- Stylish design, easy to expand, easy to use, multiple items can be simultaneously returned
- Books immediately available for check-out – 35% of items returned to the Intelligent Shelves are checked out again before they ever need to be reshelfed







# INTELLIGENT HOLD SHELF™

DESIGNED FOR SEAMLESS LIBRARY MANAGEMENT

- Real-time inventory management
- Accessibility and privacy – streamlined process minimizes physical interactions
- Convenient notification system
- Paperless – removes the need for hold slips
- Integrated holds functions transform the lending process
- Real-time inventory – seamless integration with the SIP protocol for updates on every item







WORKING FOR LIBRARIES



# LYNGSOE INTELLIGENT LOCKERS

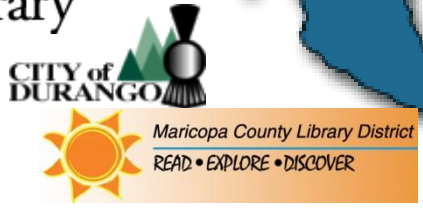
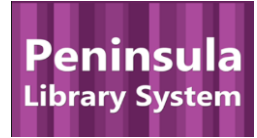
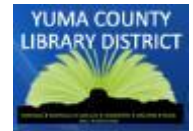
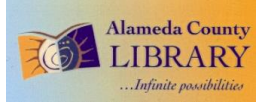
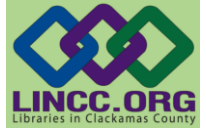
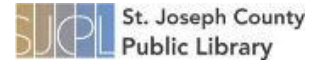
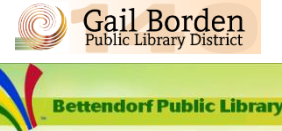
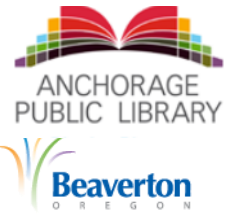
ROBUST SELF-SERVICE BOOK LOCKER FOR EXTENDED  
SERVICE REACH

Developed specifically for library items, our intelligent lockers were designed with minimal staff effort in mind.

Materials reserved by patrons can be collected from the locker outside of opening hours. Patrons can handle the pick-up process themselves in a few, very simple steps.



# Patron Using the Locker



## Why Automate?

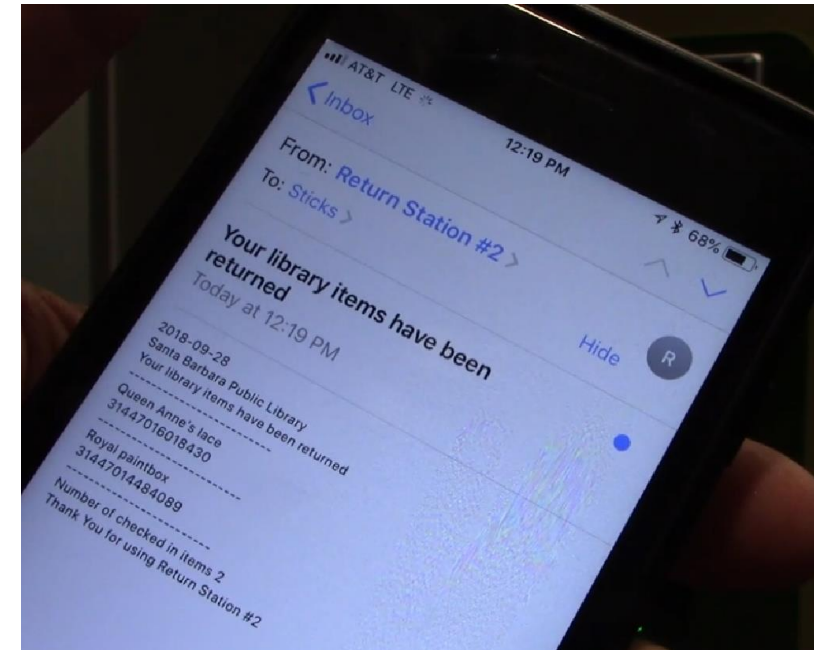
- To improve patron service
- To reduce repetitive tasks and amount of labor with item handling
- To streamline workflows and improve ergonomics and working environment
- Improve quality of life for library materials





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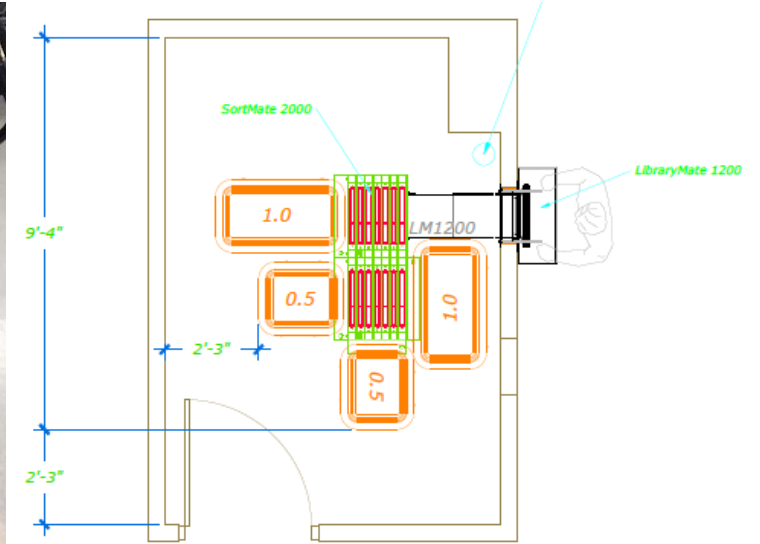
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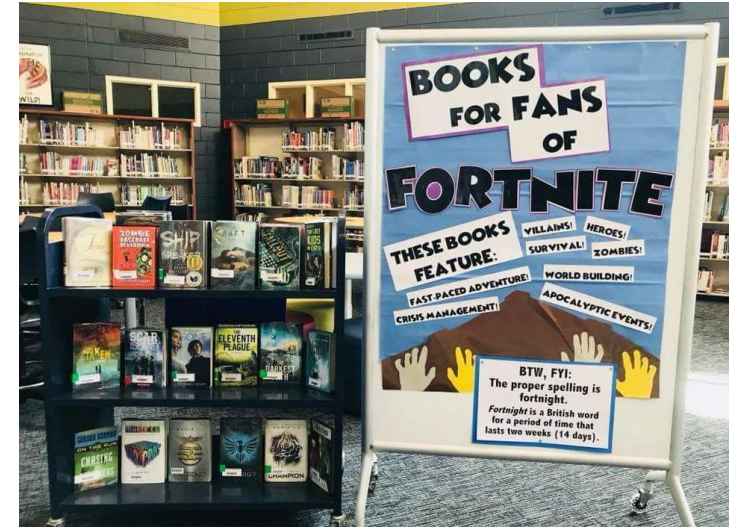


# Why Automate?

Total Annual physical circulation		300000	
Total number of items processed monthly		25000	
Total number of items processed daily		962	(open 6 days per week)
<b>Checking in items without automation</b>			
Average touches to check in item and get it on a book cart		3.5	
Average seconds per touch		5	
Total Processing time for items		87500	minutes
		1458	hours
		<b>4.67</b>	<b>Hours per day</b>
<b>Checking in items with automation</b>			
Average touches to check in item and get it on a book cart		1	
Average seconds per touch		5	
Total Processing time for items		25000	minutes
		417	hours
		<b>1.34</b>	<b>Hours per day</b>
Cost of an FTE		\$ 70,000.00	
Cost of Sorter		\$ 40,000.00	
Hourly Savings with automation		1042	10 year benefit
Hourly Saving in FTE		0.52	\$364,583.33
Monthly Savings		\$ 3,038.19	9.11 X
Months to recoup entire cost*		<b>13.2</b>	* Does not include non-tangible benefits, happiness and patron engagement enhancements.

## Why Automate?

- FTE Hours convert into
  - More patron engagement
  - More time for librarianship and curation
  - Better service to patrons
  - Quicker fulfilment
  - Increased availability of collection
  - Programming



**TEENtaber**  
What will you discover at the library?



# HIGHLAND PARK PUBLIC LIBRARY



## Why Lyngsoe & EnvisionWare

- Service-first approach, focus on Public Libraries
- Broad, integrated product line
- Close relationship with one other vendor partner
- Full control over hardware and software development and manufacturing
- Implementation by Lyngsoe and EnvisionWare staff and technicians
- Service, honesty, and communication

**ENVISIONWARE®**  
Enriching Public Library Service Inside and Out



  
**Lyngsoe  
Systems**

**WORKING FOR  
SMARTER LIBRARIES**