



University of
Massachusetts
Amherst

RFID-saster

Item Type	lightningtalk;event
Authors	Huffaker, Christina
Download date	2026-03-16 08:36:23
Link to Item	https://hdl.handle.net/20.500.14394/626



RFIDsaster



Christina Huffaker
Access Services &
Resource Sharing

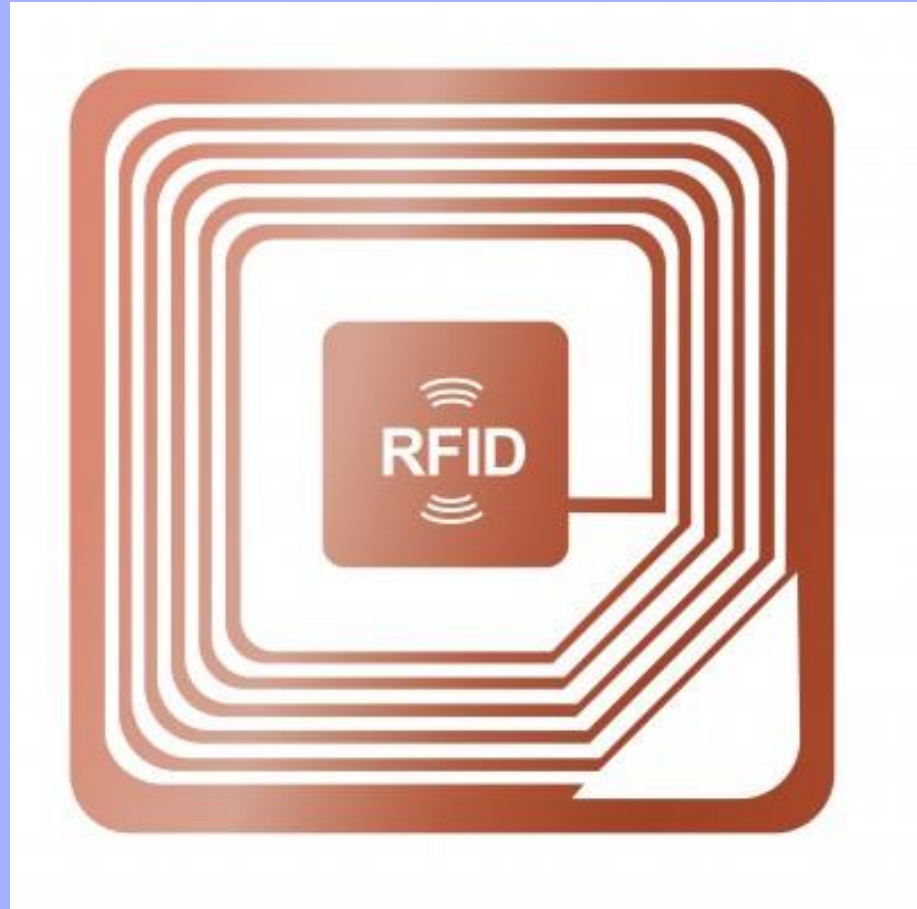


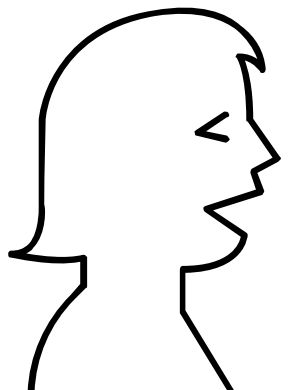
Syracuse University & Utica College

Radio Frequency IDentification

The perfect library
technology?

- ? Streamline circulation
- ? Increase item security
- ? Automate stacks maintenance





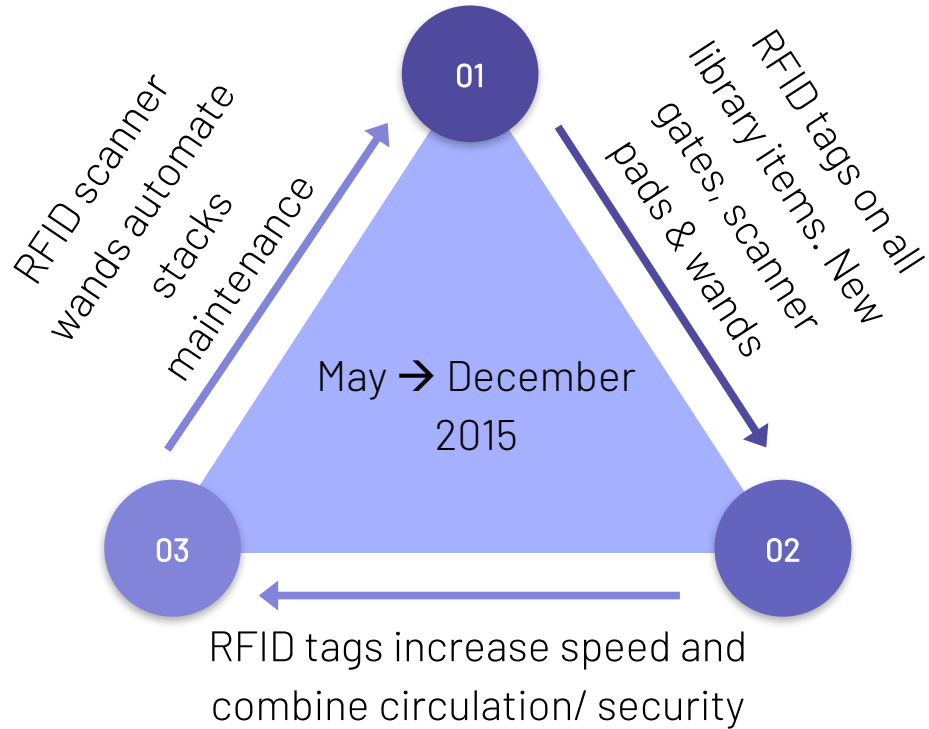
Syracuse
University
Libraries:

2 million books

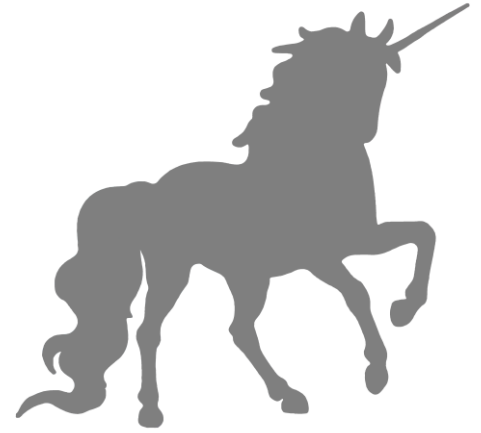
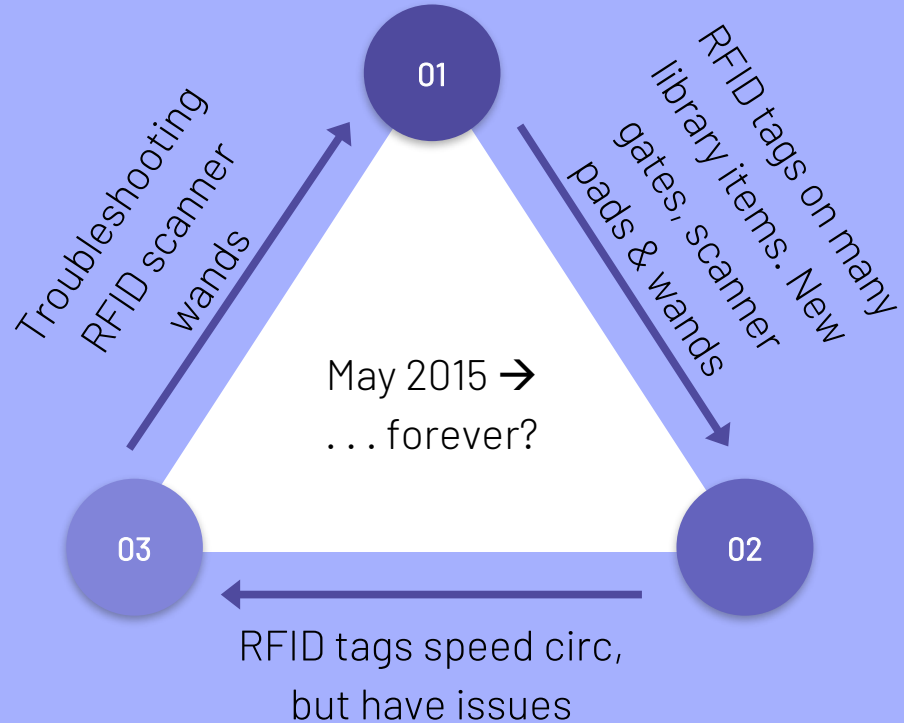
36+ miles
of shelves

(just in the main library!)

Dream Timeline



Real Timeline



dream:
circulation

reality:
circulation



New RFID pads at all
SU Libraries
circulation points



New RFID pads at all
SU Libraries
circulation points

dream: circulation

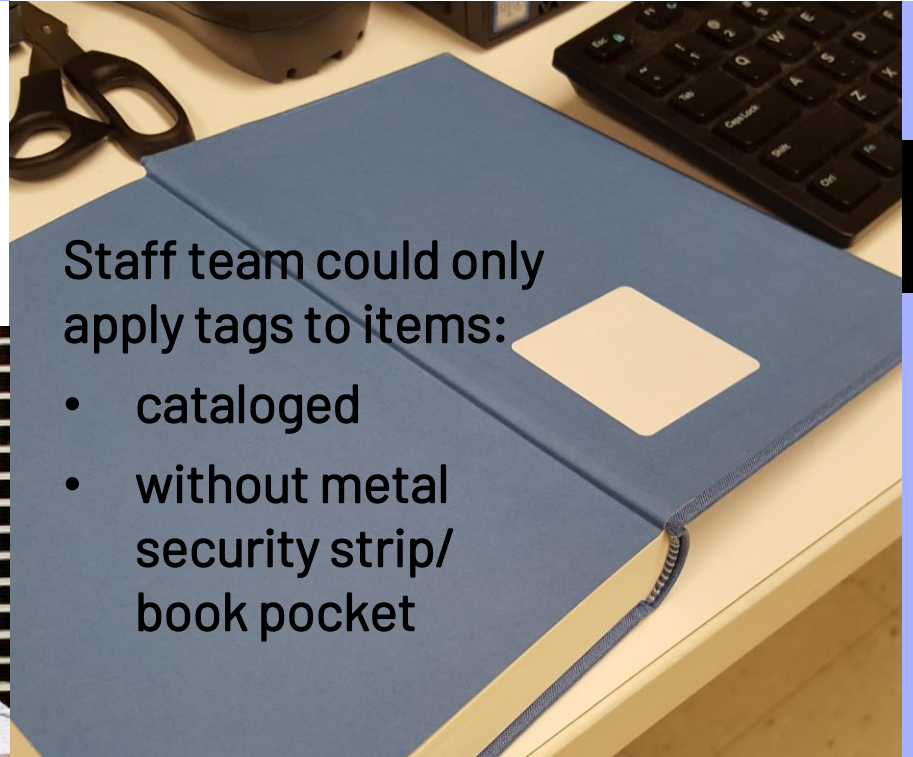
Team of temp staff hired to apply and code tags to every single library item.



reality: circulation

Staff team could only apply tags to items:

- cataloged
- without metal security strip/
book pocket



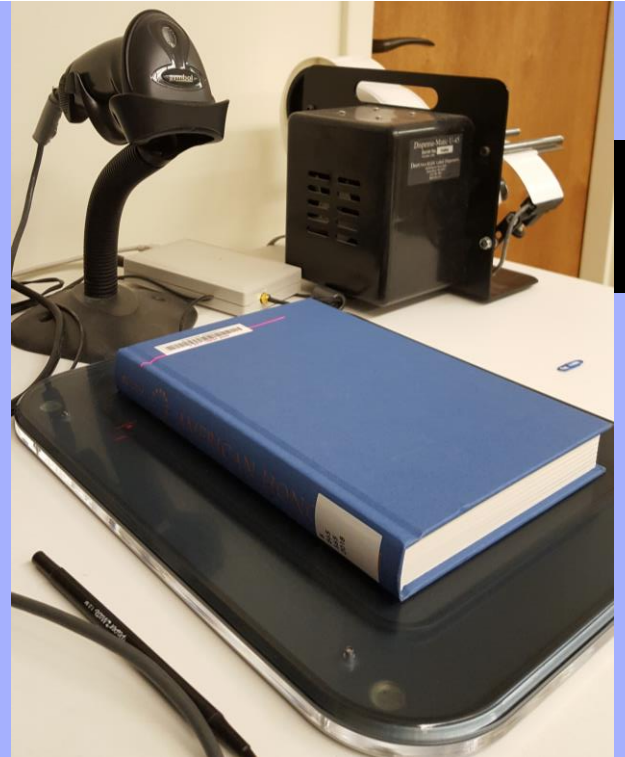
dream: circulation

Check out a whole stack of books
simultaneously -
just place
on RFID pad!



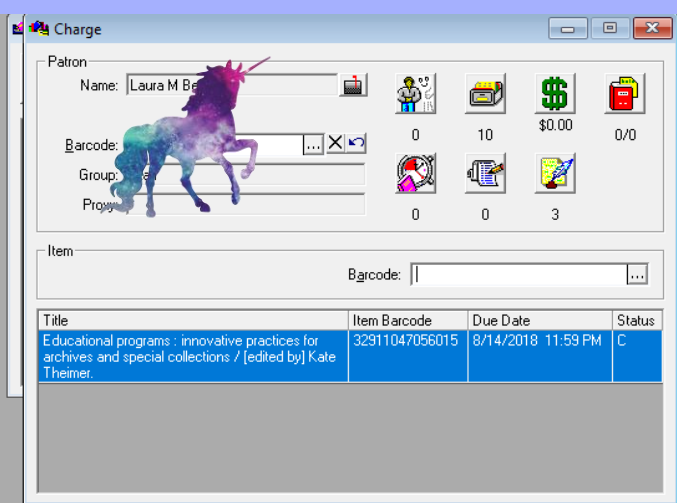
reality: circulation

Stacks of
books on
RFID pad
cause
inaccurate
scanning.

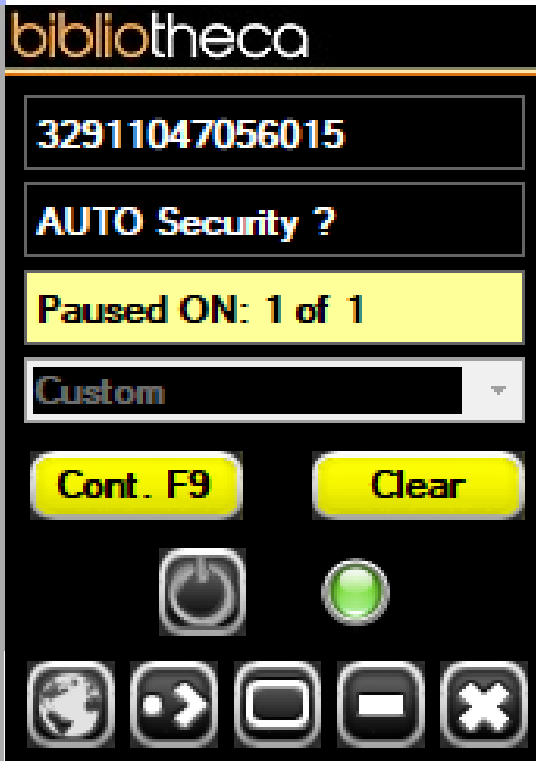
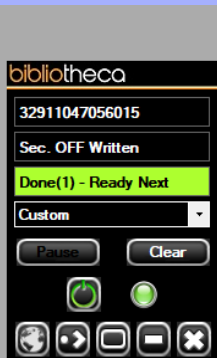


dream:
circulation

reality:
circulation



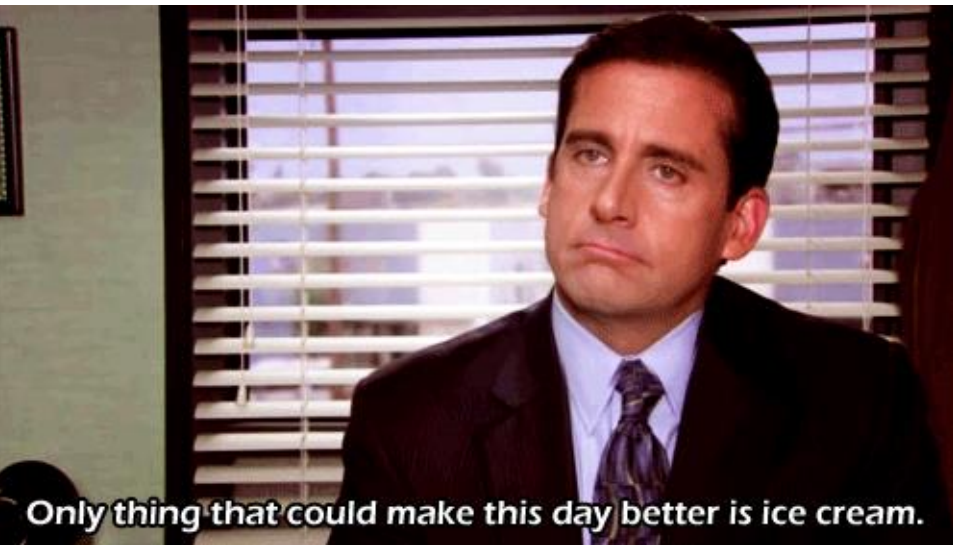
RFID pad's software integrates seamlessly with existing circulation software.



RFID pad's software freezes often, especially when scanning multiple items.

dream: security

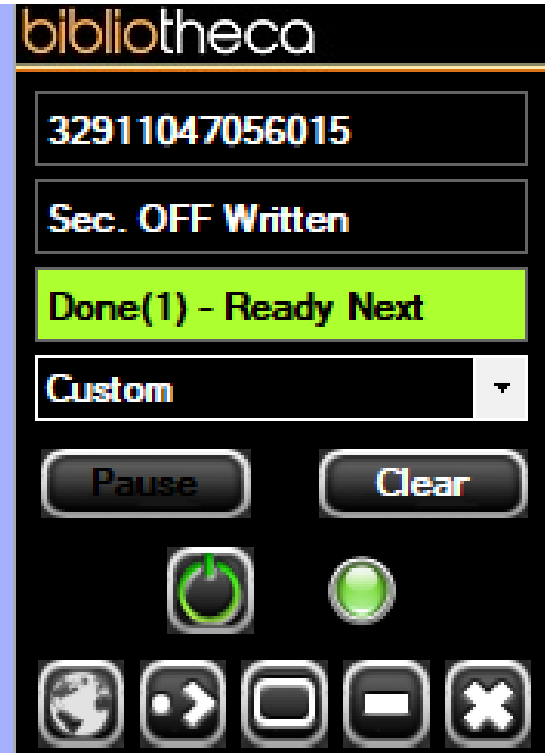
Turn security off for a whole stack of books simultaneously.



reality: security

Turns off security & checks out item.

If tag not coded – scan item barcode & tag individually.



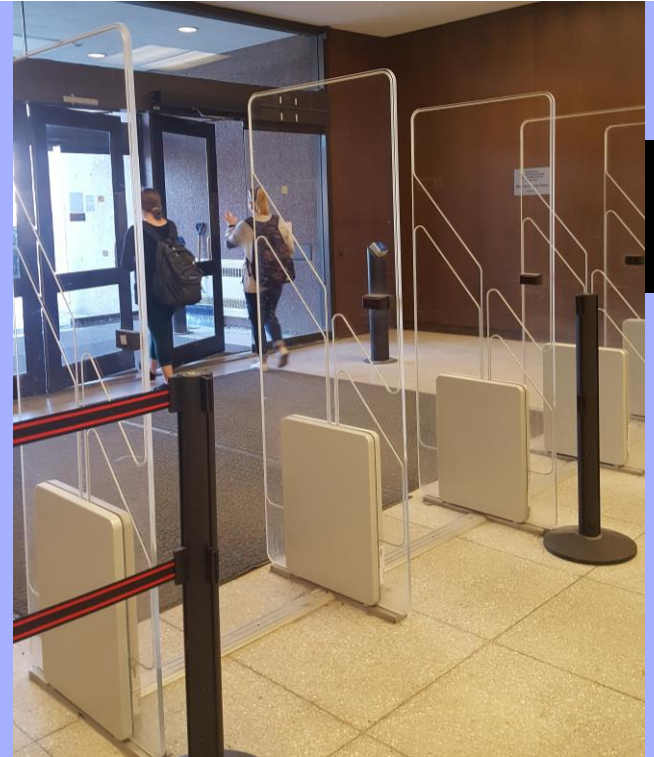
dream:
security

Each item passing through RFID
security gates can be tracked.



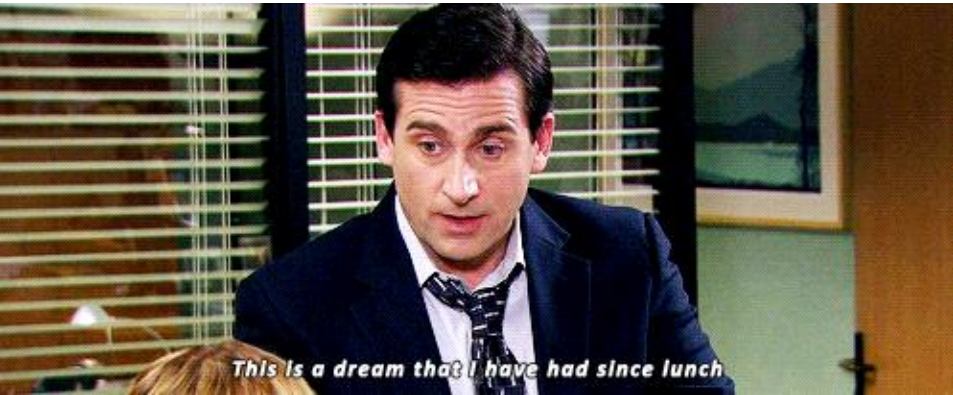
reality:
security

Not sure
how to
access
that data
...
or if it's
possible.

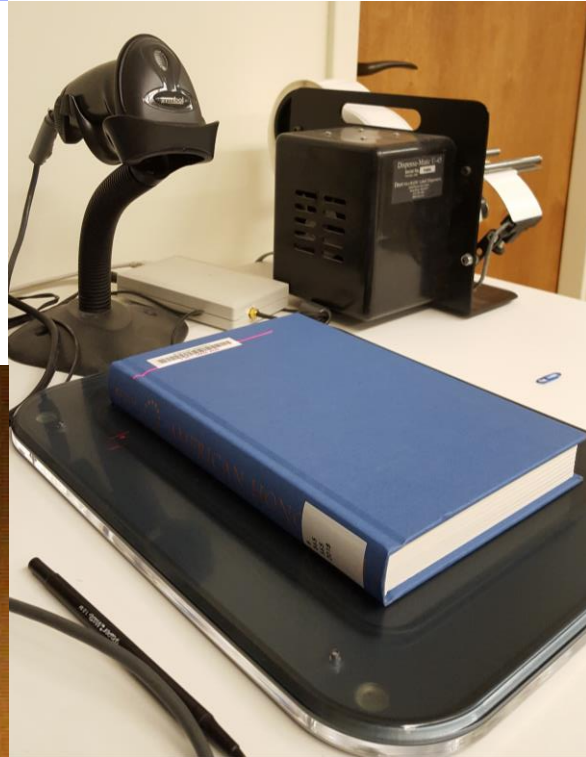


dream:
security

Security automatically turns on
when an item is checked back in.



reality:
security



Separate,
back-room
process to
individually
re-code &
re-activate
security was
needed.

dream: stacks

Magic wands are ready to roll –
straight from the box.



reality: stacks

Trial wands
were
pre-
programmed
...
purchased
wands were
not.



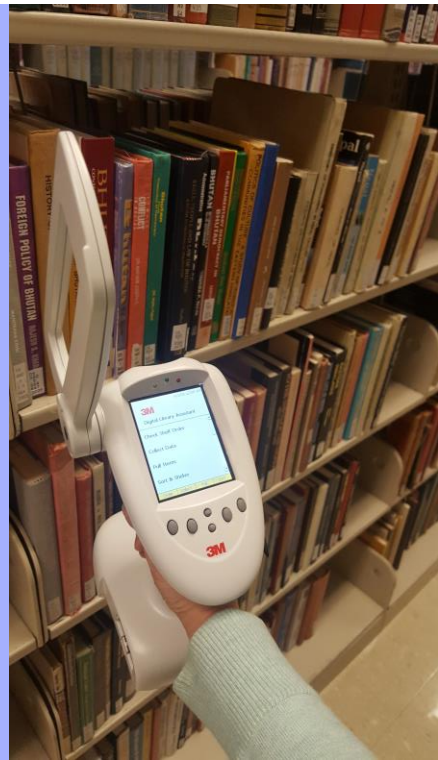
dream: stacks

reality: stacks

- Wave wand down rows while it:
- shelf-reads
 - searches for missing items
 - inventories

Wand recognizes items in general shelf locations.

Careful shelf-reading still needs to be done by a human.



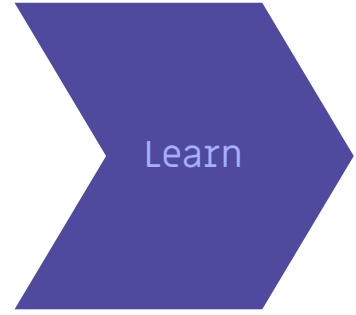




Team invested in implementing ALL parts of RFID technology

Point person on ground level who knows stacks and circ

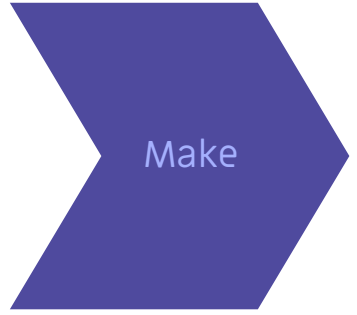
The vendor – and their tech help team



Excel wizardry

IL system and its reporting features

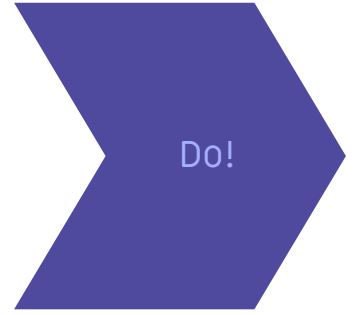
Stacks maintenance and circulation



Stacks map for tracking progress

Documentation of ILS reporting features

File of all instructions, training, etc.



Team meetings

Open (positive) communication

Plan, plan, plan

THANKS!

Any questions?



CREDITS

Much gratitude to Laura Benjamin @ Syracuse University Libraries!

Special thanks to all the people who made and released this awesome resource for free:

- ? Presentation template by [SlidesCarnival](#)

