

21CP™

21st Century Programming

For over 25 years, 21st Century Programming has been providing cutting edge applications for the Recycling and Waste Industries

Our Mobile Applications are part of a much larger ecosystem of applications that bring value and efficiency to your business

Call Today for a Demo

www.e21cp.com

(562) 981-1030

21CP™

ROM Infinite Mobile Apps

For Android and iOS, phones and tablets

Recycling Operations Manager

ROM Infinite

Next generation ecosystem of applications for the recycling and waste industries.

www.e21cp.com

(562) 981-1030



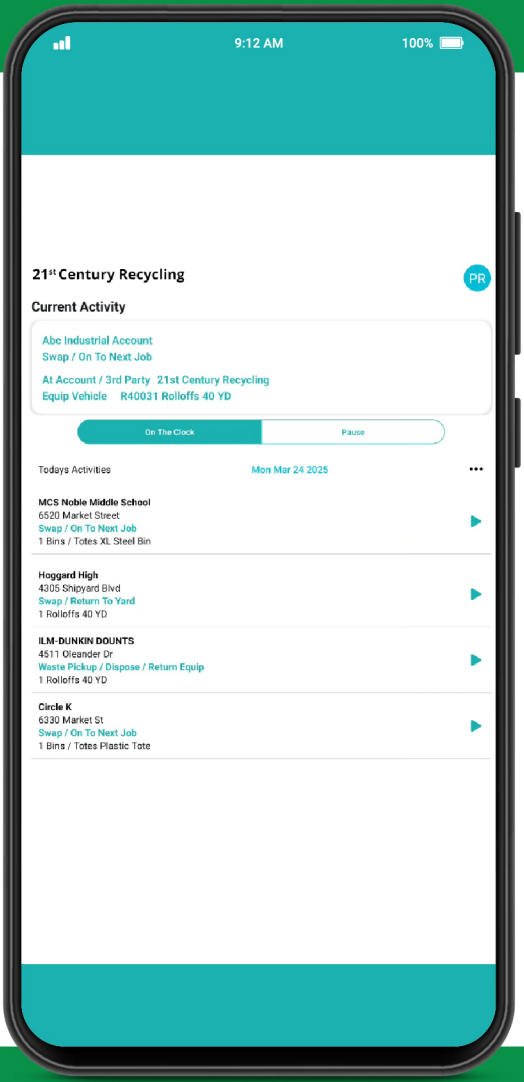
Driver Dispatching

Completely Flexible and dynamic scheduling of driver tasks can be unique to each customer and each run type.

Drivers know exactly what to do, when and where.

There is real time communications with the dispatcher and driver. Both are instantly updated when tasks are completed or changed.

With integrated geofencing, alerts make sure nothing is missed or forgotten before drivers start on the next job.


9:12 AM
100%
21st Century Recycling
PR
Current Activity
Abc Industrial Account
Swap / On To Next Job
At Account / 3rd Party 21st Century Recycling
Equip Vehicle R40031 Rolloffs 40 YD
On The Clock
Pause
Todays Activities
Mon Mar 24 2025
MCS Noble Middle School
6520 Market Street
Swap / On To Next Job
1 Bins / Totes XL Steel Bin
Hoggard High
4305 Shipyard Blvd
Swap / Return To Yard
1 Rolloffs 40 YD
ILM-DUNKIN DOUNTS
4511 Oleander Dr
Waste Pickup / Dispose / Return Equip
1 Rolloffs 40 YD
Circle K
6330 Market St
Swap / On To Next Job
1 Bins / Totes Plastic Tote

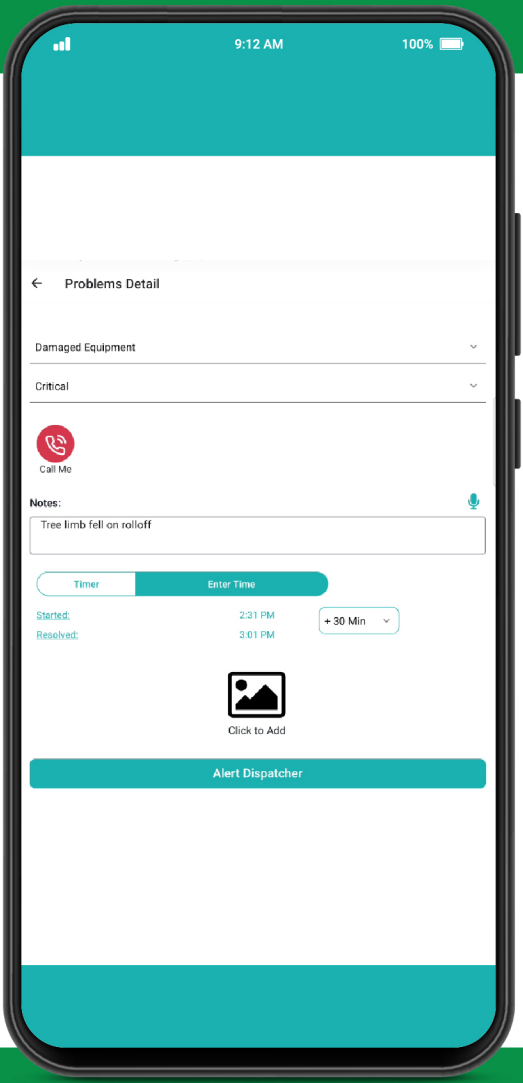


Driver Dispatching Problem Reporting

S@*%! Happens
Problem reporting instantly lets the dispatcher know what is going on.

Take Pictures of issues and quickly call the dispatcher right from the App.

System can be configured to automatically email Customer, Salesperson, Managers, etc. of the problems as soon as they happen


9:12 AM
100%
Problems Detail
Damaged Equipment
Critical
Call Me
Notes:
Tree limb fell on rolloff
Timer
Enter Time
Started:
2:31 PM
Resolved:
3:01 PM
+ 30 Min
Click to Add
Alert Dispatcher



License Plate Recognition

Incorporating AI into our Mobile App represents a transformative leap forward.

With License plate recognition, users only have to take a picture of the vehicle's plate and be taken directly to that ticket.

Using the power of AI, there is no more efficient way to find tickets and make sure that your users will never enter the wrong grading or pictures on the wrong ticket.


9:12 AM
100%
Scan License Plate
21st Century Recycling
Retake
Picture of License Plate that was taken
7SHB167 90
7SH8167 78
7SHBI67 77.8
7SH8I67 65.8
Receiving Hopper
Shipping Hopper

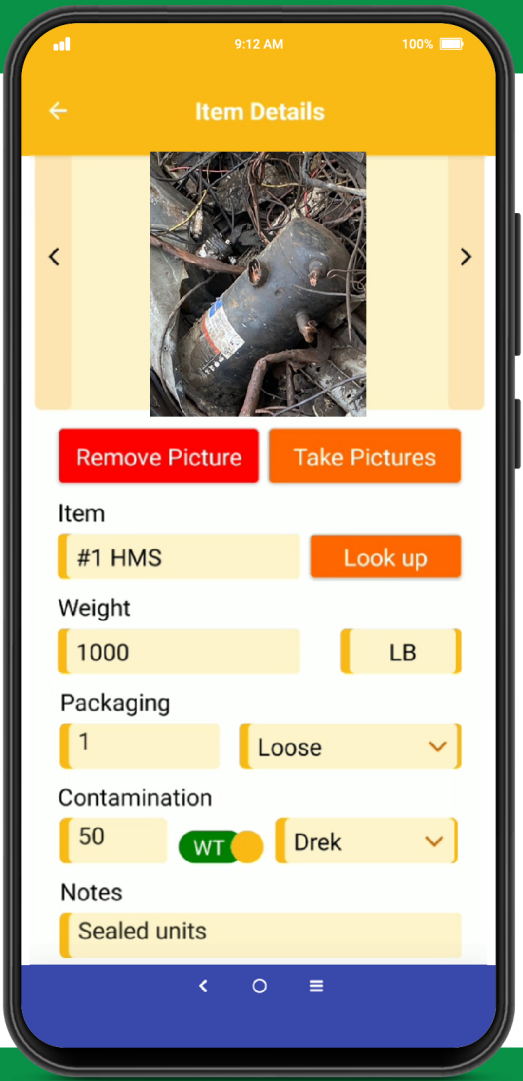


Receiving Grading and Contamination Entry

Grade Material / Designate item with a quick look up mechanism

Enter notes / description of material

Enter Contamination deductions by weight or by percent


9:12 AM
100%
Item Details
Remove Picture
Take Pictures
Item
#1 HMS
Look up
Weight
1000
LB
Packaging
1
Loose
Contamination
50
WT
Drek
Notes
Sealed units



Receiving Picture Taking

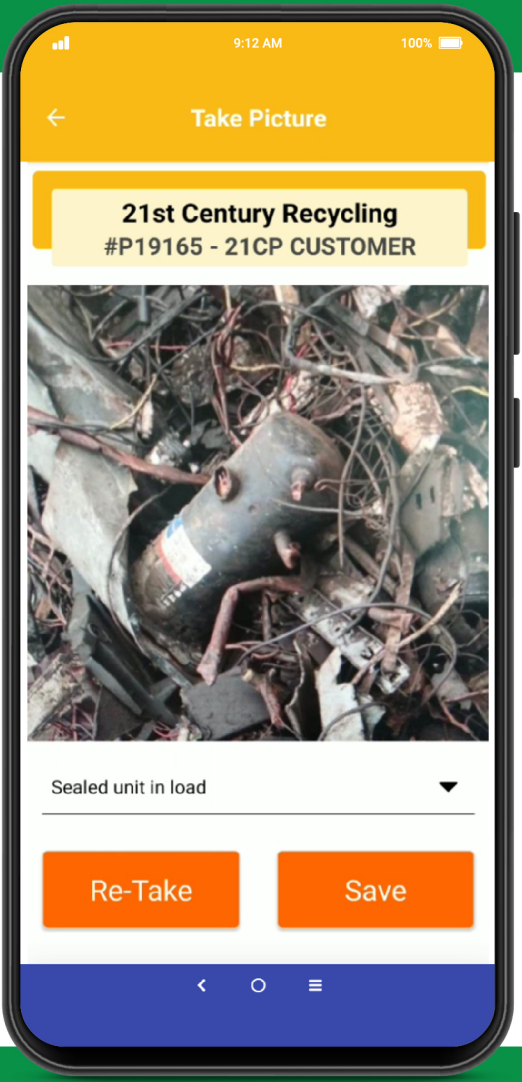
A picture is worth 1000 words

Take an unlimited number of pictures for each item received.

Enter notes / description for each picture.

Pictures are stored and accessible in the main application

Email Pictures directly from main interface


9:12 AM
100%
Take Picture
21st Century Recycling
#P19165 - 21CP CUSTOMER
Sealed unit in load
Re-Take
Save



Receiving VIN Scanning

Scan VIN directly from vehicles
No more manual entry mistakes

System parses VINs and enters information directly into receiving ticket

Picture of VIN stored for future reference

Take additional pictures of the vehicle(s)

Input all required NMVTIS information

Add an unlimited number of VINs per ticket.

9:12 AM 100%

Scan Tags

21st Century Recycling
#P19151 - General Customer



VIN #	3C6TR53J7NG128988
Make	Buick
Model	Century
Year	2003

Correct-Add Additional Info | No-Rescan



Shipping Application

Everything you need to streamline shipping in your operation

Work on Multiple Shipments at the same time

Summary and Detail of shipment information available at your fingertips

Simple user interface designed for your yard employees

Made for your environment, works online or offline


9:12 AM
100%
Shipment
21st Century Recycling
#4769 - Aluminum Smelter
Scan Tags
Pictures
Video
Container Information
View Shipment Summary
View Material Summary
View Shipment Detail
Clear Shipment Data
Upload Shipment Data
Work on Another Shipment



Container Scanning

Our Mobile App's AI capabilities harness the power of optical recognition to eliminate errors and streamline operations.

The App swiftly identifies and deciphers container numbers, vastly reducing the margin for human error and ensuring seamless data capture.

Additionally, users can enter chassis and seal information when standing at the container, insuring the correct information is entered on the shipping paperwork.

9:12 AM 100%

Container Info

#4603 - Overseas Buyer Co.



Remove Image

Container Number

LSGU 1077379 4300

Container Type

40 Feet

Container Tare Weight

8510

Chassis Number



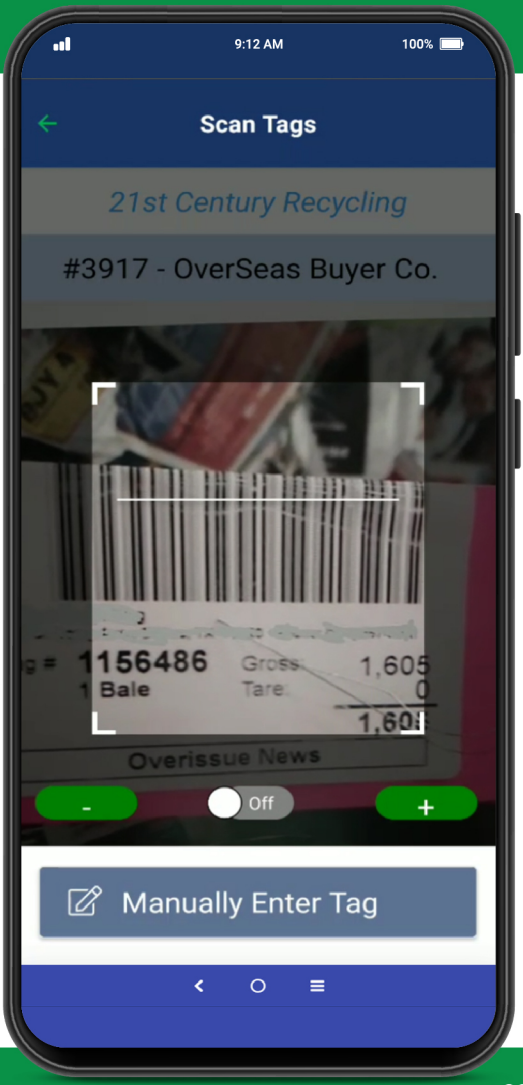
Shipping Tag Scanning

Scan Tags directly through the phone with zoom, flashlight and manual focus options for quick scanning

Takes material out of inventory

Automatically generate Packing List and Bill of Lading

Calculates gross weight added to shipment to prevent overloading.


9:12 AM
100%
Scan Tags
21st Century Recycling
#3917 - OverSeas Buyer Co.
1156486
Gross
1,605
Bale
Tare
0
Overissue News
-
Off
+
Manually Enter Tag



Shipping Picture Taking

Take all of the necessary Shipment Pictures right from the phone (CCIC, etc.)

Pictures are uploaded and linked directly to the shipment

Easily Generate Emails with shipping paperwork and pictures

Quickly resolve grading disputes with pictures of the actual material shipped

9:12 AM 100%

Pictures

21st Century Recycling

#3915 - Paper City Recycling



Rail Car

Re-Take Save



Physical Inventory

The most efficient way to confirm non-ferrous inventory

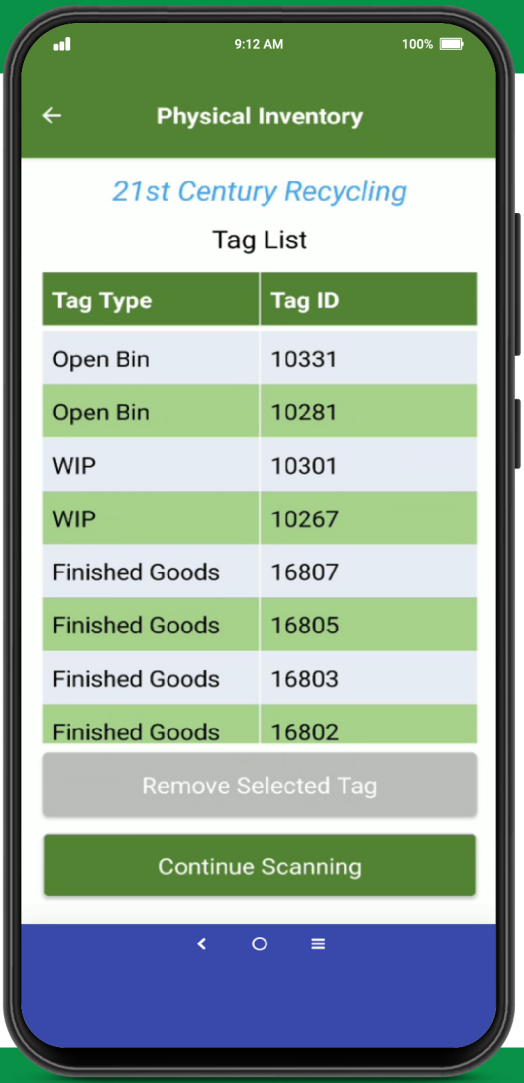
Scan all items in your inventory

Use multiple phone apps to finish the job faster

Scan WIP Tags, Open Bins, and Finished Good Tags

System shows what you found and lets you know what you didn't find

Alerts you for items that were found but have been shipped or processed


9:12 AM
100%
Physical Inventory
21st Century Recycling
Tag List
Tag Type
Tag ID
Open Bin
10331
Open Bin
10281
WIP
10301
WIP
10267
Finished Goods
16807
Finished Goods
16805
Finished Goods
16803
Finished Goods
16802
Remove Selected Tag
Continue Scanning



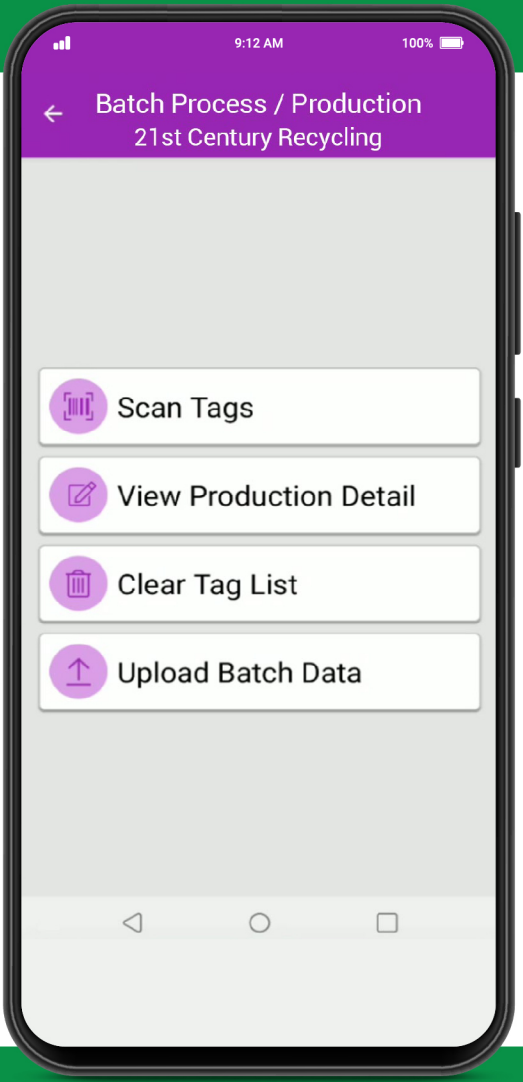
Production (Batch Processing)

Scan tags into production
- Copper Chopper
- Shredder
- Or any other production process

Keep accurate track of what has gone into production

Speed up processes and increase accuracy

Works online and offline


9:12 AM
100%
Batch Process / Production
21st Century Recycling
Scan Tags
View Production Detail
Clear Tag List
Upload Batch Data