I-Stock

Inventory Physical Count System
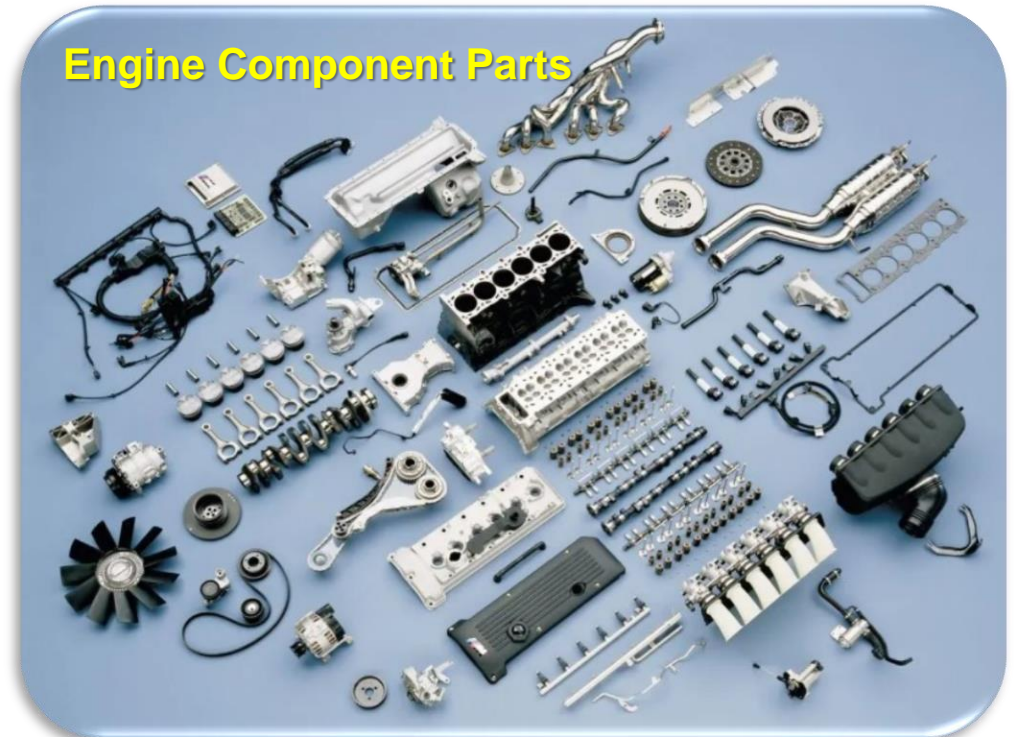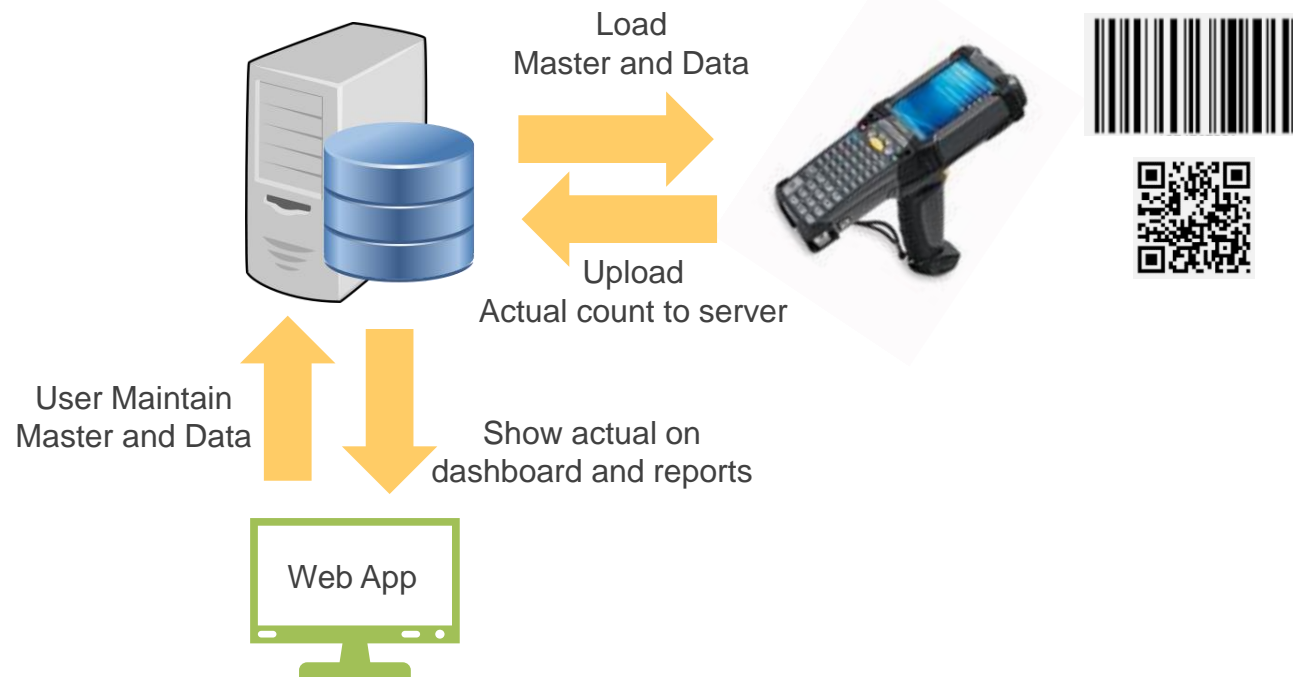
Aura-One

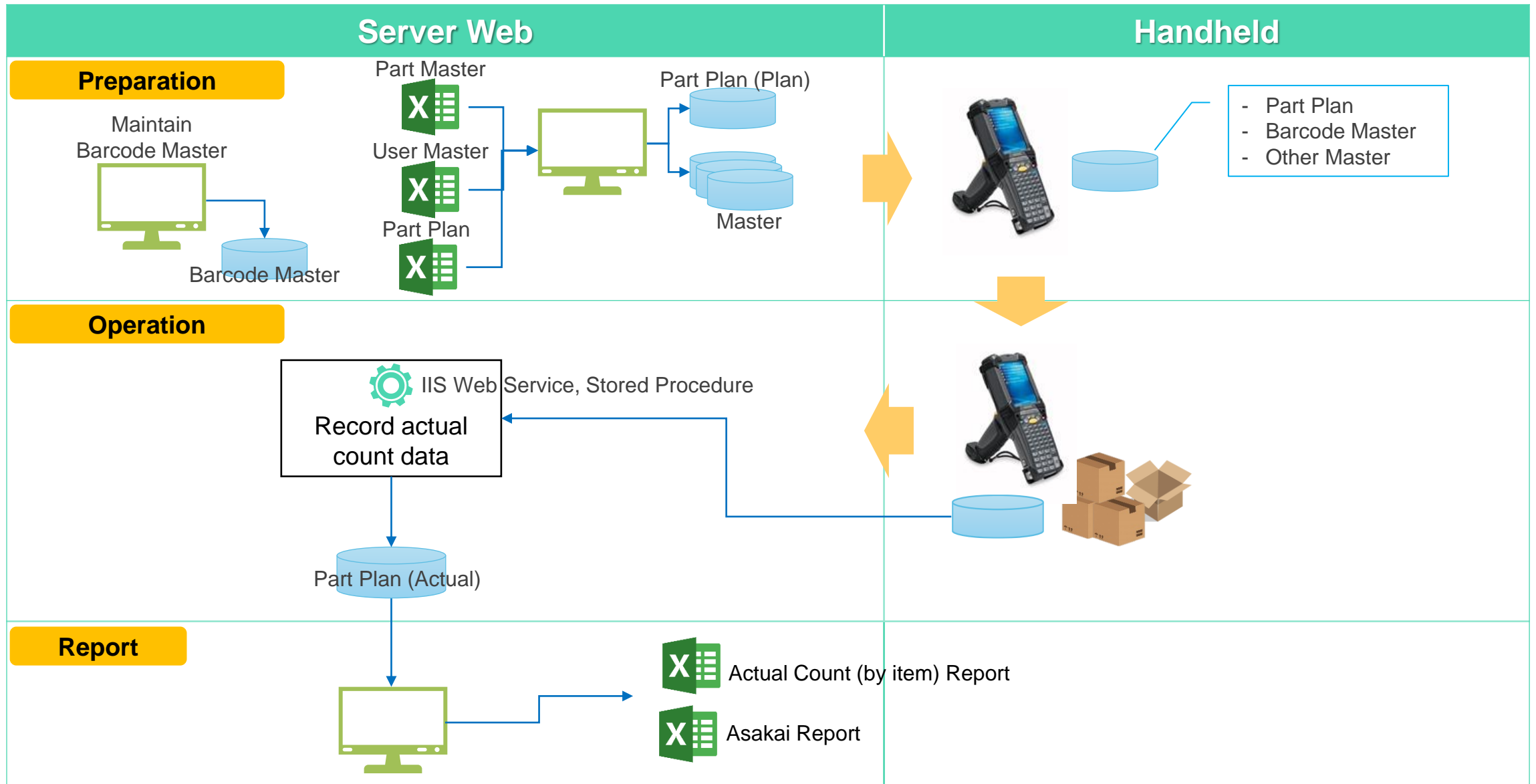# System Overview

System Overview

Factory

Inventory Physical Count
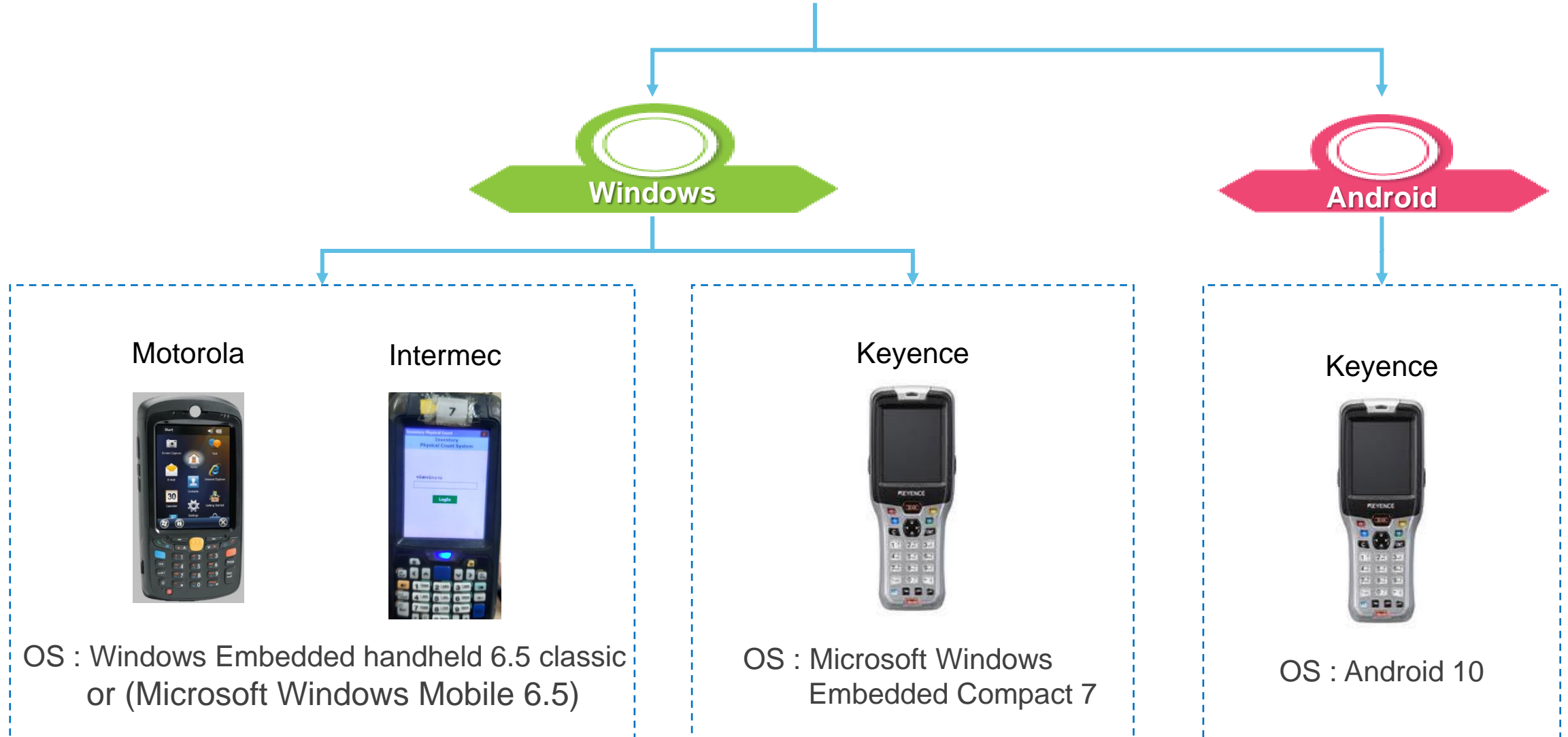
I-Stock's the system to count remaining quantity of inventory.
Normally, There're 2 times per year (Mar. and Oct.)

Load
Master and Data

Upload
Actual count to server

User Maintain
Master and Data

Show actual on
dashboard and reports

Web App

Engine Component Parts

System Flow

Handheld

Windows

Android

Motorola

Intermec

Keyence

OS : Windows Embedded handheld 6.5 classic
or (Microsoft Windows Mobile 6.5)

OS : Microsoft Windows
Embedded Compact 7

Keyence

OS : Android 10

Server

❖OS : Windows Server 2012 R2
❖Database : MS SQL 2016
❖IIS8

Function List

Function List

No	Function Name	Web/HH	Type
1	Login	Web	Screen
2	User Admin	Web	Screen
3	Barcode Master	Web	Screen
4	Part List	Web	Screen
5	Upload-Download Screen	Web	Screen
6	Download Excel Template	Web	Batch
7	Upload User Master	Web	Batch
8	Upload Part Master	Web	Batch
9	Upload Part Plan	Web	Batch
10	Record Actual Count Data	Web	Batch

No	Function Name	Web/HH	Type
11	Report Screen	Web	Screen
12	Total Actual Count Report	Web	Report
13	Asakai Report	Web	Report
14	Login	HH	Screen
15	Load data to handheld	HH	Screen
16	Confirm User Login	HH	Screen
17	Part List	HH	Screen
18	Scan Barcode	HH	Screen
19	Manual Count	HH	Screen
20	Save Actual Count	HH	Batch

| Total	Web/HH	Screen	Batch	Report
20	Web	6	5	2
	HH	6	1	-

Handheld's Functions

1. Login Screen
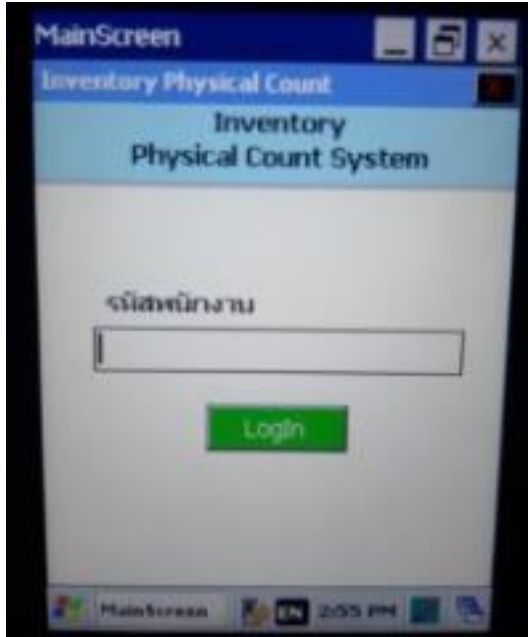
1. Admin (able a or A) => Open Download data to Handheld Screen
2. Clear (able a or A) => Clear all data from local database
3. Clear Master (able a or A) => Clear Master data from local database
   - User Master
   - Barcode Master
   - Part Master
4. Clear Plan (able a or A) => Clear Part Plan data from local database
5. Other else (able a or A) => Validate from User Master
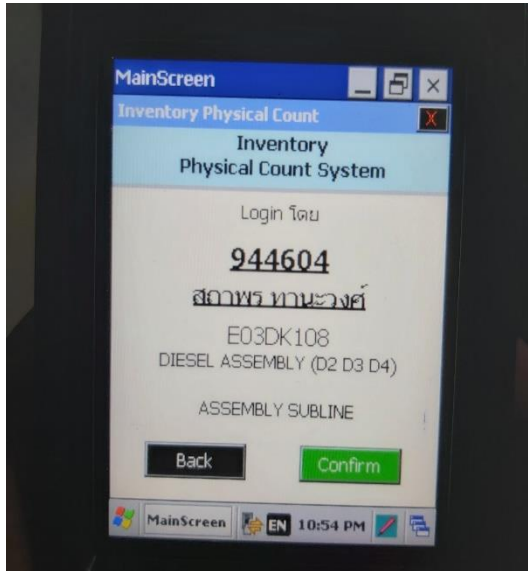
Handheld's Functions

2. Download data to Handheld Screen
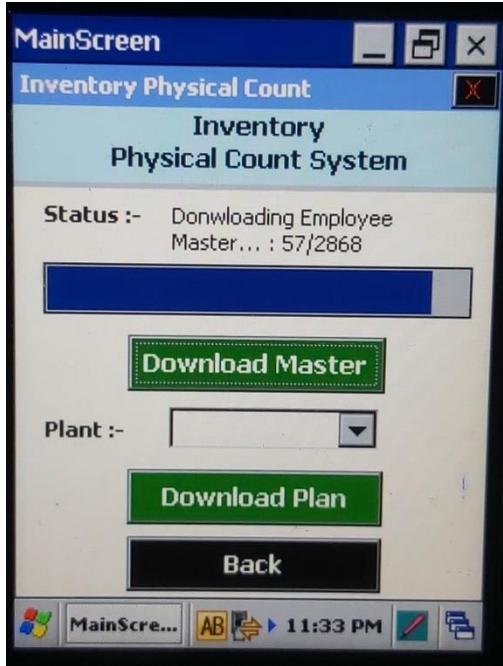
1. Download Master => Download Master data from local database
    - User Master
    - Barcode Master
    - Part Master
2. Download Plan => Download Part Plan data from local database base on plant code data from drop down that user choose
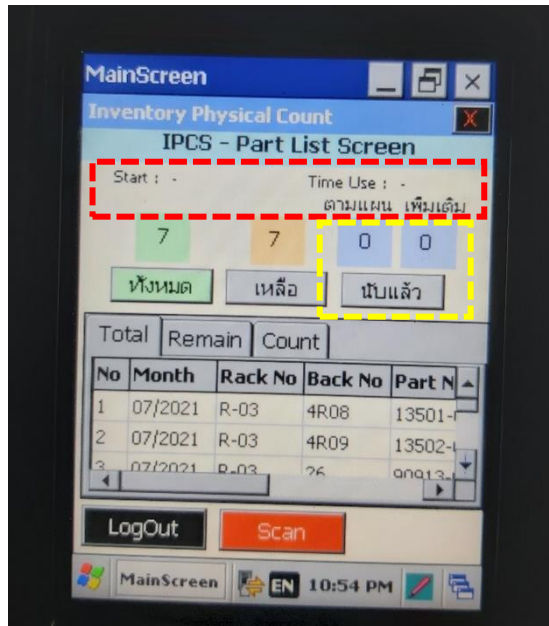3. Back => Back to Login screen

Handheld's Functions

3. Confirm User Login Screen : To show user login information

1. Confirm => Go to Part List Screen
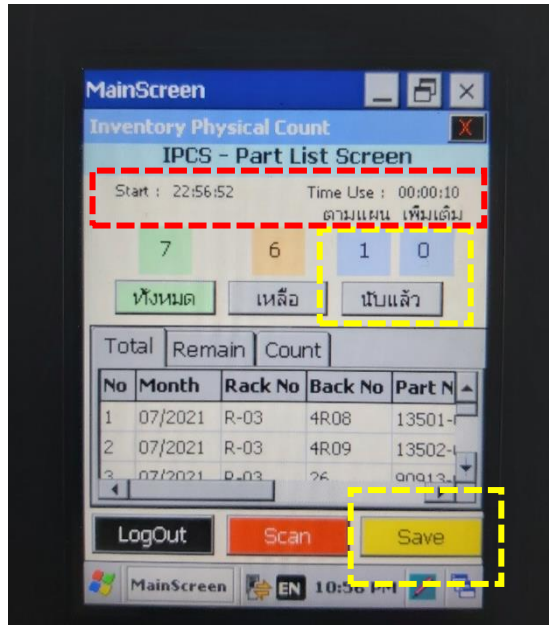2. Back => Back to Login Screen

Handheld's Functions

4. Part List Screen (No actual count) : To show part plan data belong to user login

1. LogOut => Back to Login Screen
2. Scan => Go to Scan Barcode Screen
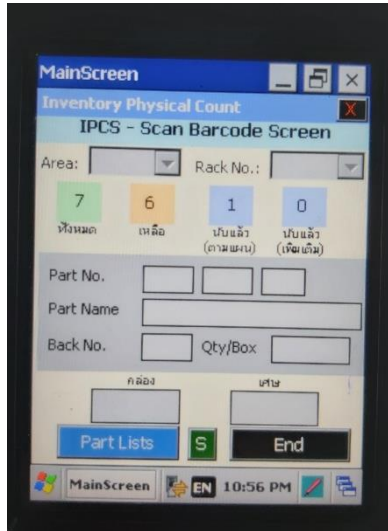
Handheld's Functions

4. Part List Screen (Have at least 1 actual) : To show part plan data belong to user login


1. LogOut => Back to Login Screen
2. Scan => Go to Scan Barcode Screen
3. Save => Save actual data to Server (Call stored procedure, API)

Handheld's Functions

5. Scan Barcode Screen : The screen will standby receive data from scanner (when user scan the barcode) and validate barcode data with Barcode Master
Then Validate with Part Plan of Login user and retrieve the data to show on screen
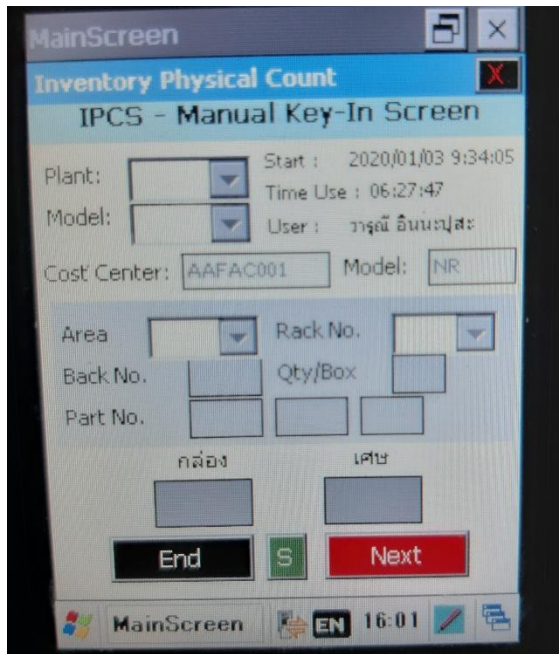And Enable quantity text boxes for user input

1. Part List => Back to Part List Screen
2. Next => Validate and update count quantity to this Part No.
3. S or K => Scan Mode or Key-In Mode
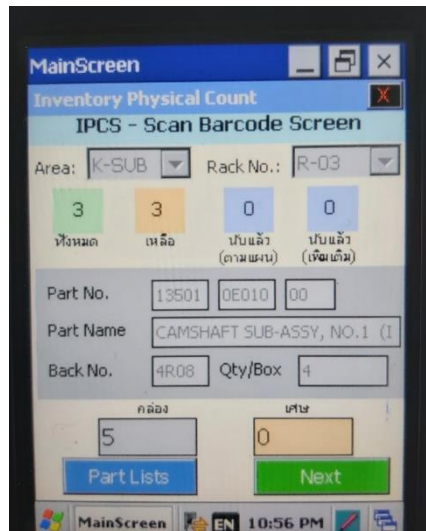
Handheld's Functions

6. Manual Count Screen : In case Login user without in Part Plan data (For unplan count)

1. End => Back to Part List Screen
2. Next => Insert to New Record in local database
3. S or K => Scan Mode or Key-In Mode

Q/A