Pycube CiRA
Compliance Inspection Rounding Automation
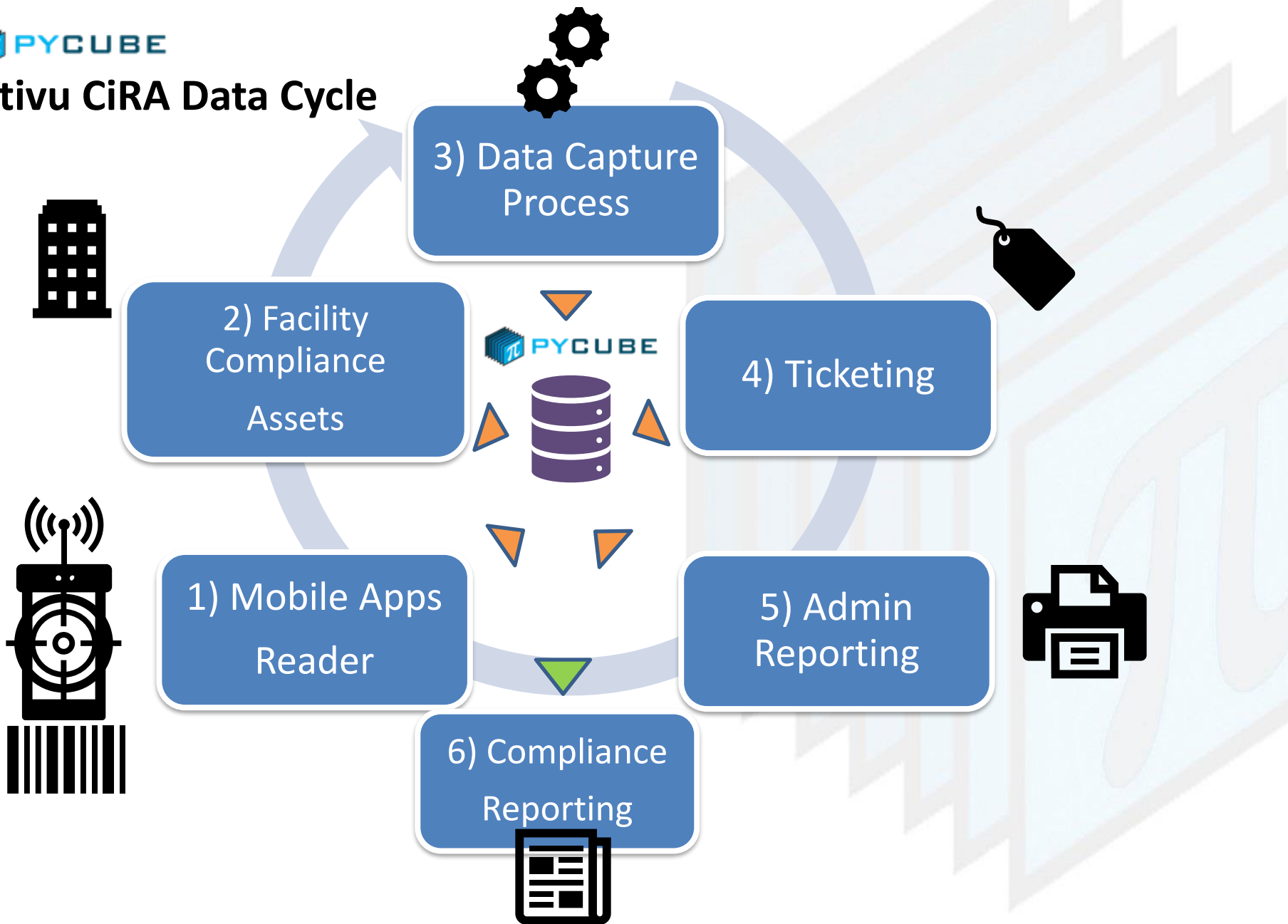
Compliance
Inspection
Rounding
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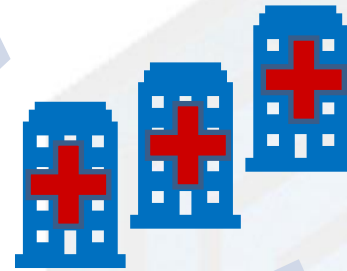
Dramatically reducing time and labor while increasing accuracy and accountability in Compliance Rounding Audit and Reporting

Aktivu CiRA Data Cycle

3) Data Capture Process

2) Facility Compliance Assets

4) Ticketing

1) Mobile Apps Reader

5) Admin Reporting

6) Compliance Reporting

Pycube Solutions Products Summary:

Pycube RFID / Barcode / Image Compliance Inspection Rounding Automation is part of Pycube's Intelligent Enterprise Asset Management solutions platform that provides end to end asset management services to the healthcare industry:

Pycube "**Aktivu**" - Intelligent Enterprise Intelligent Asset Management built on **ServiceNow** and our own AWS cloud based applications provide:

- **RFID Asset Control and Loss Prevention**
- **RFID / Barcode Compliance Inspection Rounding Automation**
- **RTLS Asset, Patient, Staff, Sanitization Tracking**
- **AI Enabled Asset Analytics Applications**
- **Asset Utilization Optimization**
- **Asset Management / CMMS / ITSM / CMDB / ITSEC**
- **PARS Management**
- **Warehouse / Storage / Inventory Management**
- **Asset Lifecycle Capital Planning**
- **Custom Applications**

Pycube Compliance Rounding Automation Solutions Summary:

Pycube RFID / Barcode Compliance Rounding Automation (CiRA) is part of Pycube's Intelligent Enterprise Asset Management solutions platform that provides end to end asset management services to the healthcare industry:

Pycube "**Aktivu**" - Intelligent Enterprise Intelligent Asset Management built on ServiceNow provides drives the RFID / Barcode / Image Compliance Rounding Module. Pycube utilizes "passive" RFID tags and bar code technology to capture compliance asset data. Gone are the days and hours of paper forms and spreadsheets.

All RFID / Barcode / Image **CiRA** activity is transmitted from the mobile readers to Aktivu via the facilities Wi-Fi. Core required use case data capture and workflow requirements are programmed into Aktivu and the mobile readers, so that data capture is done automatically in the field, centrally processed by Aktivu thereby eliminating paper, manual data entry, reducing time, effort and headache and improving accuracy and compliance documentation with automated reporting.

Pycube RFID Compliance Rounding Automation:

At Pycube, we understand hospitals.

We also know that no two hospitals are the same, however what hospitals do have in common is the need for Joint Commission compliance standards and documentation for e.g., **EC.02.03.05, EC.02.03.07** and others under the Life Safety & EOC codes.

Many of the facilities-based Joint Commission compliance requirements are very time and labor intensive, non-digital and non-automated.

For Example, rounding compliance for:

- **Fire Exit Signs & Lighting**
- **Emergency Lighting**
- **Fire & Smoke Doors**
- **Fire Extinguishers**
- **Alarmed Exit Doors**

Pycube RFID Compliance Rounding Automation:

Compliance Rounding Automation (**CiRA**) is designed to streamline specific compliance use case for higher frequency repetitive rounding tasks in the facilities and Life Safety areas. Pycube uses RFID / Barcode / Image technology for automated data capture.

Pycube CiRA is designed to provide the following benefits:
- Automated Data Capture – RFID / Bar Code information is automatically captured via mobile app reader
- Automated Asset Condition Capture – Interactive mobile app captures required JC compliance data
- Virtually zero manual data entry via desktop / laptop, no creating spreadsheets
- Automated Work Order / Ticketing – Automatically create Work Order / Tickets when compliance deficiencies are identified in the field
- Automated reporting Progress & Compliance Reporting – Easily track progress on completion of required rounding activities and counts.
    - For example - What # / % of 2000 fire extinguishers:
        - have been checked status,
        - by whom, by time, by date,
        - Open Tickets Generated Detail,
        - Expected Closed Tickets Detail,
        - Compliance Reports

CiRA Mobile App for iOS and Android

Pycube RFID Compliance Rounding Automation (CiRA):

Overview: How the Aktivu CiRA process works:

1) Each Compliance Asset information set is uploaded into the Aktivu CiRA system. The Asset data detail is typically sourced from the facilities CMMS / Asset Management system or other available.
2) Each Compliance Asset is then linked via Aktivu CiRA to a specific RFID / Bar Code in the Aktivu system
3) Each Compliance Asset is then tagged with the RFID / Bar Code tag either directly on the asset, or on the wall / ceiling next to the asset.
4) Aktivu CiRA Mobile devices are configured based on compliance asset condition data capture and ticket authoring
5) Aktivu CiRA is then configured with required reporting outputs and formats that are JC complaint.

Pycube RFID Compliance Rounding Automation Set Up (CiRA): #1

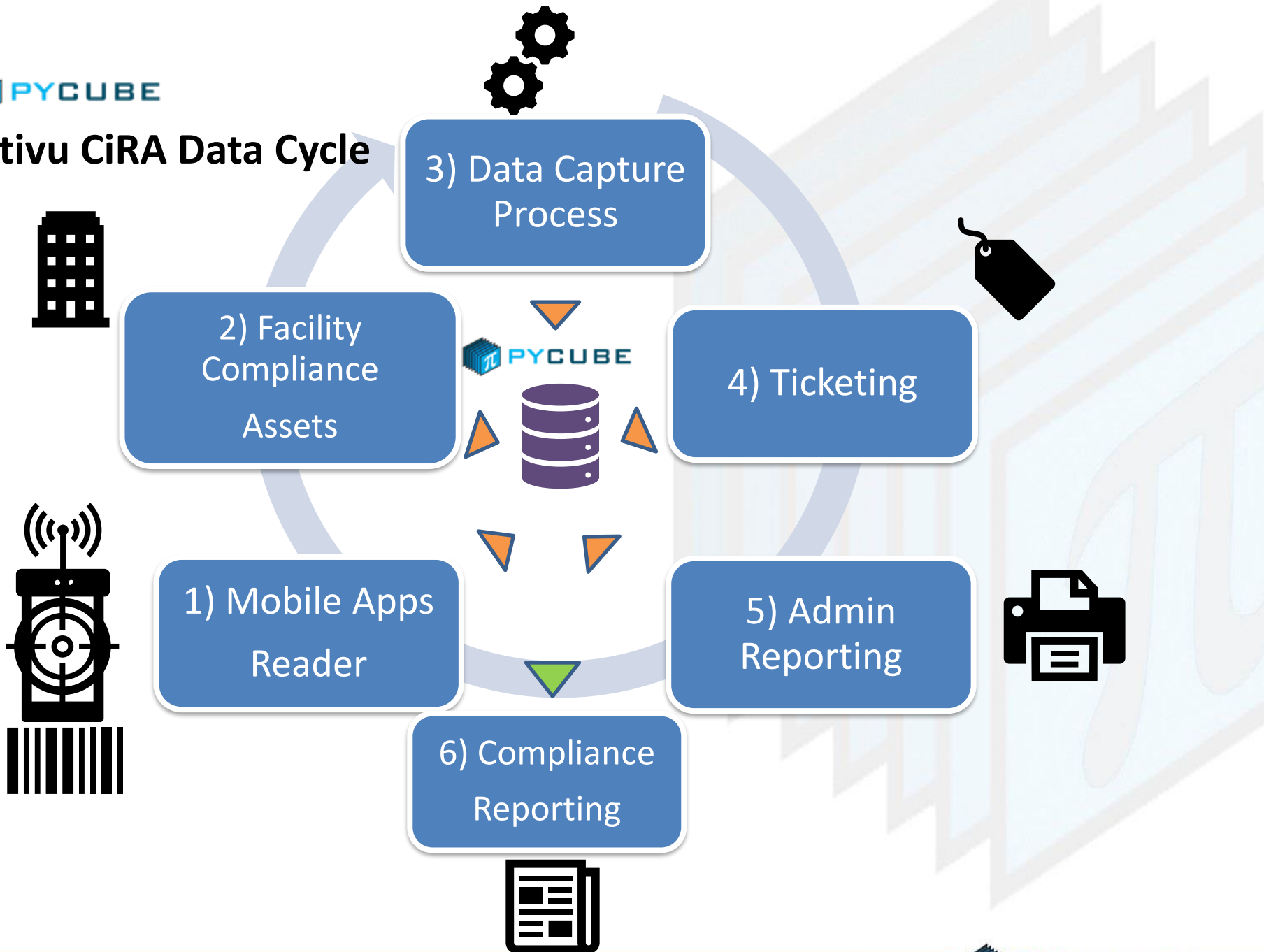## Overview: How the Aktivu CiRA process works:

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Pycube RFID Compliance Rounding Automation (CiRA): #2

Overview: How the Aktivu CiRA Rounding process works:

1. Based on client requirements, the start of a rounding process cycle is initiated in the Aktivu System which enables the **Aktivu CiRA** Mobile devices.

2. Specific data capture date ranges can be assigned for specific compliance assets.

3. Multiple mobile devices can be deployed at the same time.

4. Multiple rounding activities are an option and can be combined so that multiple compliance assets are able to be scanned and detailed via the mobile data capture for each compliance asset.

Aktivu CiRA Data Cycle

3) Data Capture Process

2) Facility Compliance Assets

4) Ticketing

1) Mobile Apps Reader

5) Admin Reporting

6) Compliance Reporting

Pycube RFID Compliance Rounding Automation (CiRA): #3

Overview: How the Aktivu CiRA Rounding process works:

1) A Facilities Engineer (FE) takes an Aktivu Mobile device and synchs it with the Aktivu system.
2) The FE then begins the rounding process cycle with a stop at the first compliance asset location**.
3) The FE clicks reads the specific asset tags / barcodes via the Mobile device
   a) This capture the time, location*, date, user and asset data
4) The FE then inputs compliance answers on the Mobile App
   a) Asset conditions, defects, etc
5) The FE then opens any needed tickets / workorders from the Mobile App
6) The FE moves on to the next compliance asset and repeats the procedure
7) The Mobile device capture the data and transmits to the Aktivu platform via WiFi
8) The Aktivu CiRA application processes incoming data and logs it for the scheduled reports by customer requirement.

Pycube RFID Compliance Rounding Automation (CiRA): #4

## Overview: How the Aktivu CiRA Rounding Ticketing works:

1) Defects discovery in compliance assets will certainly occur
    a)   Malfunctioning LED's in a an Exit light fixture is a defect
2) **Aktivu CiRA** allows tickets to be created from the Mobile app
3) If a defect is noted, a ticket can be created based on user / facility requirements with pre-programmed & custom data inputs while in the field
4) Tickets are then routed via email to specific users and / or to an existing ticketing system via API or user upload requirements
5) **Aktivu CiRA** catalogs all open tickets, in progress tickets, and closed tickets
6) **Aktivu CiRA** Ticketing users modify, complete and close tickets based on user requirements
7) Ticket activity performance is tracked and shared with reporting engine
8) Progress reporting can be automated per user requirements
9) Open ticket status is system noted before final compliance reports can be complete.
10) The **CiRA** app provides positive "Proof of Presence" that the asset was actually physically inspected

Pycube RFID Compliance Rounding Automation (CiRA): #5

Overview: How the Aktivu CiRA Reporting process works:

1) Once the Facilities Engineer (FE) complete that day's cycle, a daily report can be generated automatically to summarize that days rounding data, and any tickets issued.
2) Aktivu CiRA can API into other third-party ticketing / work-order systems
3) The CiRA process repeats until the Admin or system indicates the process is complete all tagged compliance assets are recorded by the Pycube CiRA system.
4) Once the system / admin can determine that all compliance assets have be scanned, all tickets logged / reviewed / closed the JC compliance reporting can be done via custom compatible JC reporting formats
5) Reports formats and data fields are configured during implementation.
6) Reports can be customized on the fly for internal or JC use
7) Users can create their own dashboards

Mobile asset inspection Menu
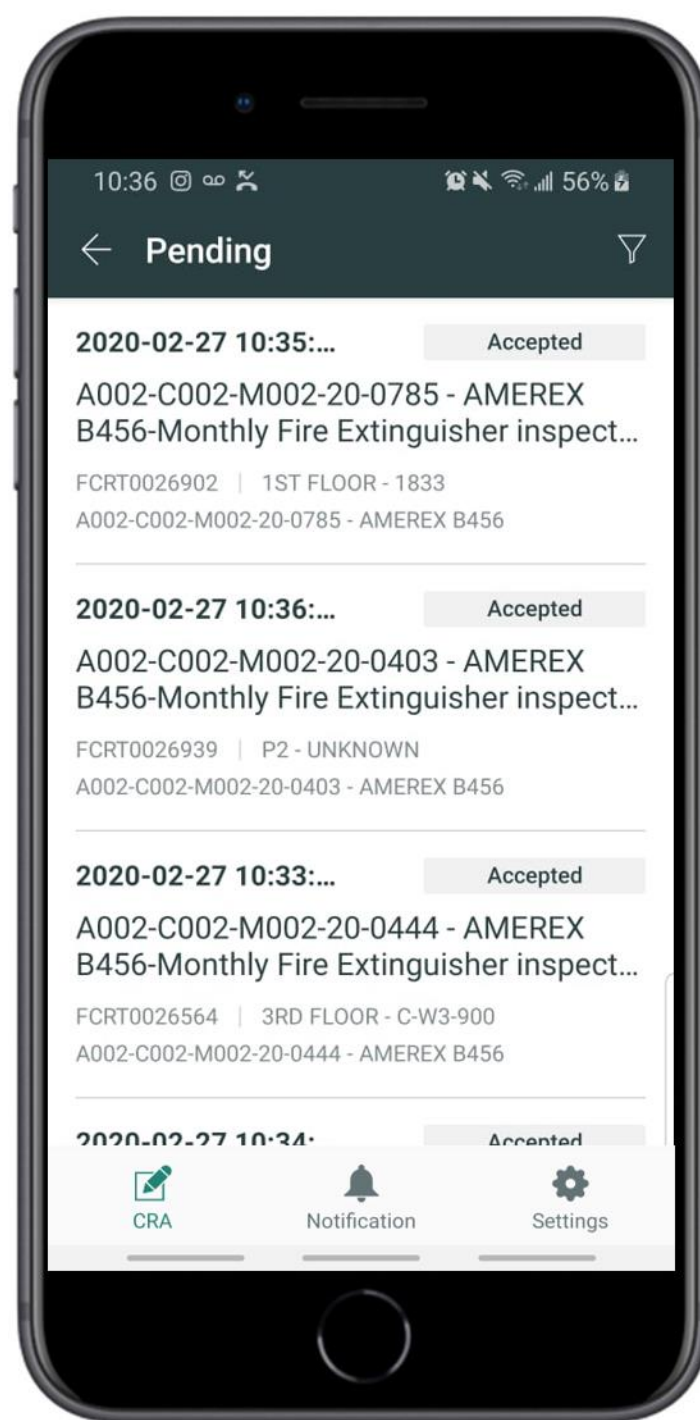
Pycube RFID CiRA System Components & Implementation:

- Pycube Aktivu Asset Control & Loss Prevention Software
  - User licenses – based on customer requirement
  - Compliance Asset licenses – based on customer requirement
- Pycube RFID / Bar Code Asset Tags
- Pycube RFID / Bar Code / Image Mobile Readers Hardware
- Pycube RFID / Bar Code Tag Printer (Optional)

- The required assets are identified and tagged (Asset data generally uploaded from customer CMMS / Asset Management system).
- Compliance Assets are tagged.
- Handheld devices / mobile apps configured and tested.
- Report options / schedules are configured, programmed and tested.
- Systems Tests performed and completed.
- Client teams are trained, and system adoption plans communicated to stakeholders.
- System is Live.

Pycube RFID / Barcode / Image CiRA System Onboarding:

1. Create / Upload inventory: Assets & Categories – Life Safety / EOC
   a) Fire Exits
   b) Exit Lighting
   c) Smoke Doors
   d) Fire Extinguishers
   e) ETC, ETC
2. Configure & Load RFID Tags, Configure RFID Readers
3. Onboard System Users
4. Configure Compliance Rounding Schedules
5. Generate Rounding Tickets
6. Assign Rounding Tickets to Specific Users
7. Conduct Compliance Rounding
8. Create / Update individual asset tickets
   a) Tickets based on asset conditions
   b) Create work orders for non -compliant assets
9. Work Tickets / Work orders
10. Close Tickets
11. Generate Admin Reports
12. Generate JC Compliance Reports

Pycube Aktivu CiRA Summary:

- Pycube has developed a materially automated system to sharply reduce the time and efforts in completing compliance rounding exercises for larger and small hospitals alike.
- Specific "Facility Compliance Assets", like Fire & Smoke doors, Exit lighting, Fire extinguishers, Smoke Alarms, Emergency Doors and other Life Safety assets can be surveyed using **Aktivu CiRA** RFID / Bar Code / Image technology.
- Ticketing automation allows tickets to be created at the point of detection via the Aktivu CiRA Mobile Reader.
- Ticket Management routes tickets to key staff and ticket / work order performance is tracked and fed to Admins and report engine
- Data inputs from "Facility Compliance Assets" are automatically logged in the Aktivu CiRA database for audit and compliance reporting
- Compliance Audit Reports, interim and final are preformatted for submission to Joint Commission per client requirements.
- Pycube estimates facility time and labor savings to be 60%-80%
- Accuracy, accountability, and audit trail documentation are sharply improved.

Pycube CIRA RFID Hardware Profile:

RFID Barcode Multi Function Hand Readers
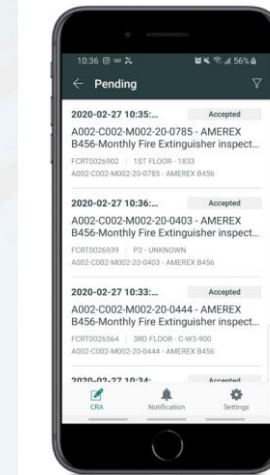
Android iOS Hand Reader – Bar / QR Code
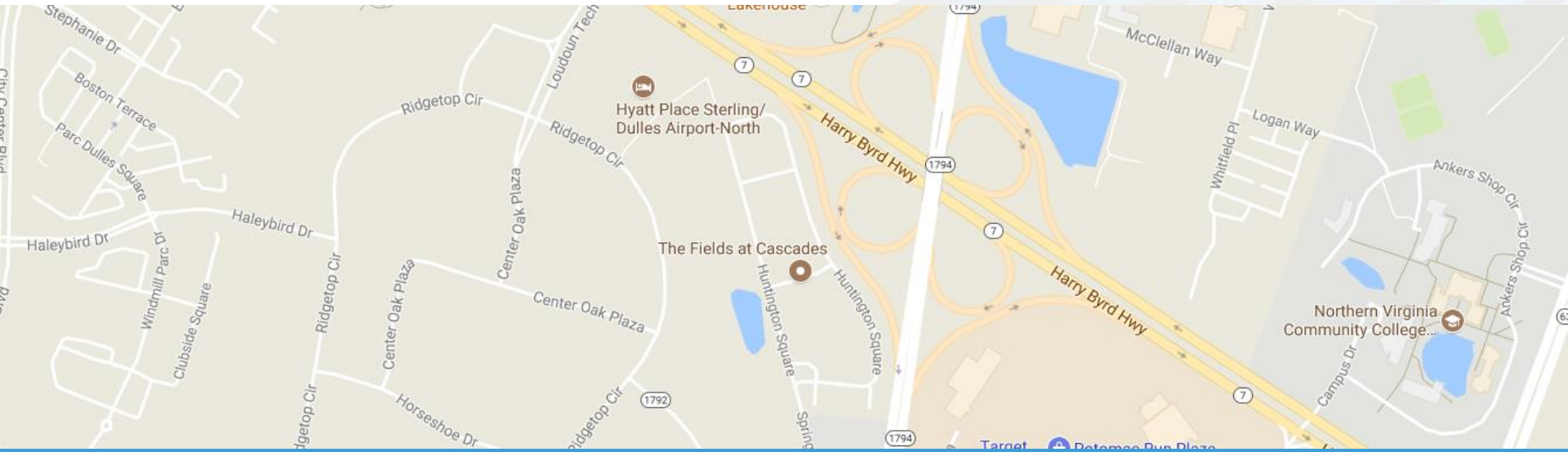

RFID Hand Readers

RFID Tags

RFID / Barcode Tag Printer

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