QR Code Integration

- QR code can be generated from each pre cast component from BIM model.

- QR code is scanned to retrieve the component’s information, view its location, update tracking status & project progress.
HPCE Integrated Digital Delivery – Stage 1

### QR Code Integration

**QR Code Workflow**

**Quality Assurance**

**Quality Control**

**Safety and Traffic Management**

#### Stage 1

- **Fail**
  1. Select Fail on App
  2. Scan QR Code

- **Pass**
  1. Select Pass on App
  2. Scan QR Code

#### Stage 2

- **Progress Report**
  - Due to the data being always live, the report will be always updated

- **BIM Model**
  - The data will be fed to the Model via Plug-in

#### Progress/Monitoring Sheet

- After scanning all data (Pass/Fail/Rectify/Delivered/etc)
  - Will be recorded live on this sheet on which we can monitor progress and inventory

- All Fail Status will be recorded in the Monitoring Sheet

- **Rectify**
  - All Fail Status will be recorded in the Monitoring Sheet

- **Repeat workflow**
HPCE Integrated Digital Delivery – Stage 1

- **Structural Ponding Test**
  - **Fail**: Select Fail on App, Scan QR Code
  - **Pass**: Select Pass on App, Scan QR Code
  - **Rectify**: Select Rectify on App, Scan QR Code

- **Final Inspection (Structural)**
  - **Fail**: Select Fail on App, Scan QR Code
  - **Pass**: Select Pass on App, Scan QR Code
  - **Rectify**: Select Rectify on App, Scan QR Code

- **Delivery to Architectural Yard**
  - **Fail**: Select Fail on App, Scan QR Code
  - **Pass**: Select Pass on App, Scan QR Code
  - **Rectify**: Select Rectify on App, Scan QR Code

- **Water Proofing & Ponding Test**
  - **Fail**: Select Fail on App, Scan QR Code
  - **Pass**: Select Pass on App, Scan QR Code
  - **Rectify**: Select Rectify on App, Scan QR Code

- **Tiling Stage**
  - **Fail**: Select Fail on App, Scan QR Code
  - **Pass**: Select Pass on App, Scan QR Code
  - **Rectify**: Select Rectify on App, Scan QR Code

- **MEP Fitting Test**
  - **Fail**: Select Fail on App, Scan QR Code
  - **Pass**: Select Pass on App, Scan QR Code
  - **Rectify**: Select Rectify on App, Scan QR Code

- **Final Inspection (Architectural)**
  - **Fail**: Select Fail on App, Scan QR Code
  - **Pass**: Select Pass on App, Scan QR Code
  - **Rectify**: Select Rectify on App, Scan QR Code

- **Delivery to Site**
  - **Fail**: Select Fail on App, Scan QR Code
  - **Pass**: Select Pass on App, Scan QR Code
  - **Rectify**: Select Rectify on App, Scan QR Code

---

**BIM Model**
The data will be fed to the Model Via Plug-in

**QR Code Integration**
QR Code Workflow

**Quality Assurance**
Quality Control

**Safety and Traffic Management**

---

**Progress/Monitoring Sheet**
After scanning all data Pass/Fail/Rectify/Delivered/etc
Will be recorded live on this sheet on which we can monitor progress and inventory

**Progress Report**
Due to the data being always live, the report will be always updated
**HPCE IDD Application**

When opening the app, you will be prompted by a login page. 
*only those who are given a username and password will be able to use the app*
- When opening the Quality Page, you will be prompted by a login page again.

*only QA QC Personnel will be given access to maintain the integrity of the data being inputed
- All scanned elements will record directly on the sheets and can be viewed everywhere (as long as you have internet)
- All scanned elements will also appear on the monitor button.
BIM integration on which unit/areas to be constructed with 3D Model, 360 views (VR Ready) inside the application/software.

Click the Area/Unit and it will Prompt the 360 views for that specific unit, used for better understanding of what to be constructed.

* All came from the Coordinated Construction Model.