

Introduction of

Precast Component Inspection Online



PCIO

Visualization
Efficient
Paperless
Traceable
SaaS Cloud platform

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Introduction of

Precast Component Inspection Online

PCIO is a cloud-based online system to inspect the precast components in the factory.

It consists of the APP and Back-end website platform.

Innovative Features :

- The 1st APP and cloud-based system platform for pc in the market
- Process application works online
- Paperless
- GPS for positioning
- Photo management
- update record real-time in cloud
- Visualization of progress
- Annalistic for user's action

Introduction of

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Cost-benefit analysis

Because there is no similar application found in the market, So It is just compared with the traditional way to inspection of PC, the benefit of the application of PCIO as below:

| 已提交工程項目中的相關建造過程# Construction Process in submitted Project# | 建造業創科基金目標 CITF Objective | 評估範圍 Aspect for Assessment | 量化表現 Quantitative Performance | | | 表現改善 Improvement in Performance (與以往最好的方法相比) (compared to best method available in the past) | |
|--|---|-------------------------------|-------------------------------|------------------------|----------------------------|--|----------------|
| | | | 此產品 This Product | 過往型號 Previous Model | 傳統方法 Traditional Method | 項目內的絕對值 Absolute Value in Project | 百分比 Percentage |
| 柴灣道住宅發展項目，香港，試用，2020年 | 促進生產力 ^A Productivity ^A | 檢查一個構件 | 3分鐘 | | 10分鐘 | 減少檢查時間 | 70.00% |
| | | 查看過往記錄 | 手機，電腦任意時間地點查看 | | 在檔案室查看紙質檔案記錄 | 減少查看時間 | 80.00% |
| | | 數據統計 | 用手機電腦查看系統自動統計數據 | | 人手查閱紙質記錄後逐項統計 | 減少統計時間 | 80.00% |
| | 提高建造質素* Quality* | 檢查記錄 | 不可修改記錄 | | 可以後期塗改 | 確保記錄真實 | % |
| | | 定位 | 可以定位 | | 不可定位 | 確保合資格的人士在做檢查 | % |

Introduction of

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Cost-benefit analysis

Compared with the traditional way to inspection of PC, the benefit of the application of PCIO as below:

Productivity: Make inspection more efficiency

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|---|------------------------------------|----------------------------------|-------------------------------|---------------------------|-------------------------------|---|----------------|
| | | | 此產品 This Product | 過往型號 Previous Model | 傳統方法 Traditional Method | 項目內的絕對值 Absolute Value in Project | 百分比 Percentage |
| | | 圖片拍攝及管理 | 隨機拍攝圖片 保存在雲頓系 統中 | | 相機拍照保存 在本地硬盤中 | 有效保存圖片記錄 及方便查找，節省 時間 | 50.00% |
| | 改善工地安 全+ Safety+ | | | | | | % |
| | | | | | | | % |
| | | | | | | | % |
| | 提升環保效 益@ Environmental@ | 做驗收記錄 | 手機APP輸入 驗收結果 | | 人手填寫紙質 表單記錄 | 無紙化操作，減少 紙張消耗 | 100.00% |

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Back End Features in version 1.0

- Admin management
- Employee management
- Project management
- Inspection log
- Factory management
- Filling

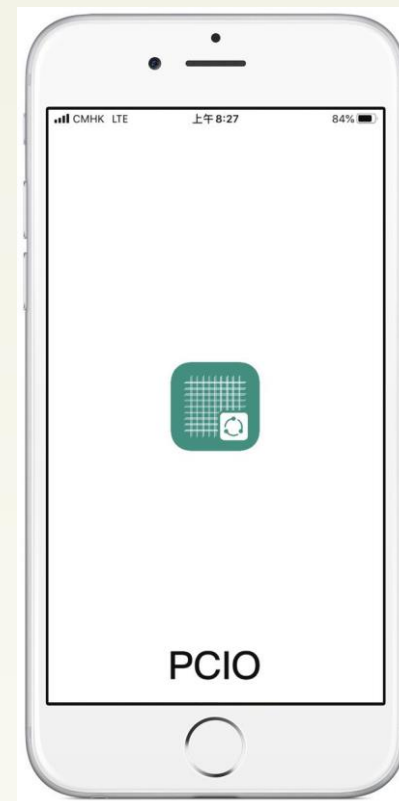


Introduction of

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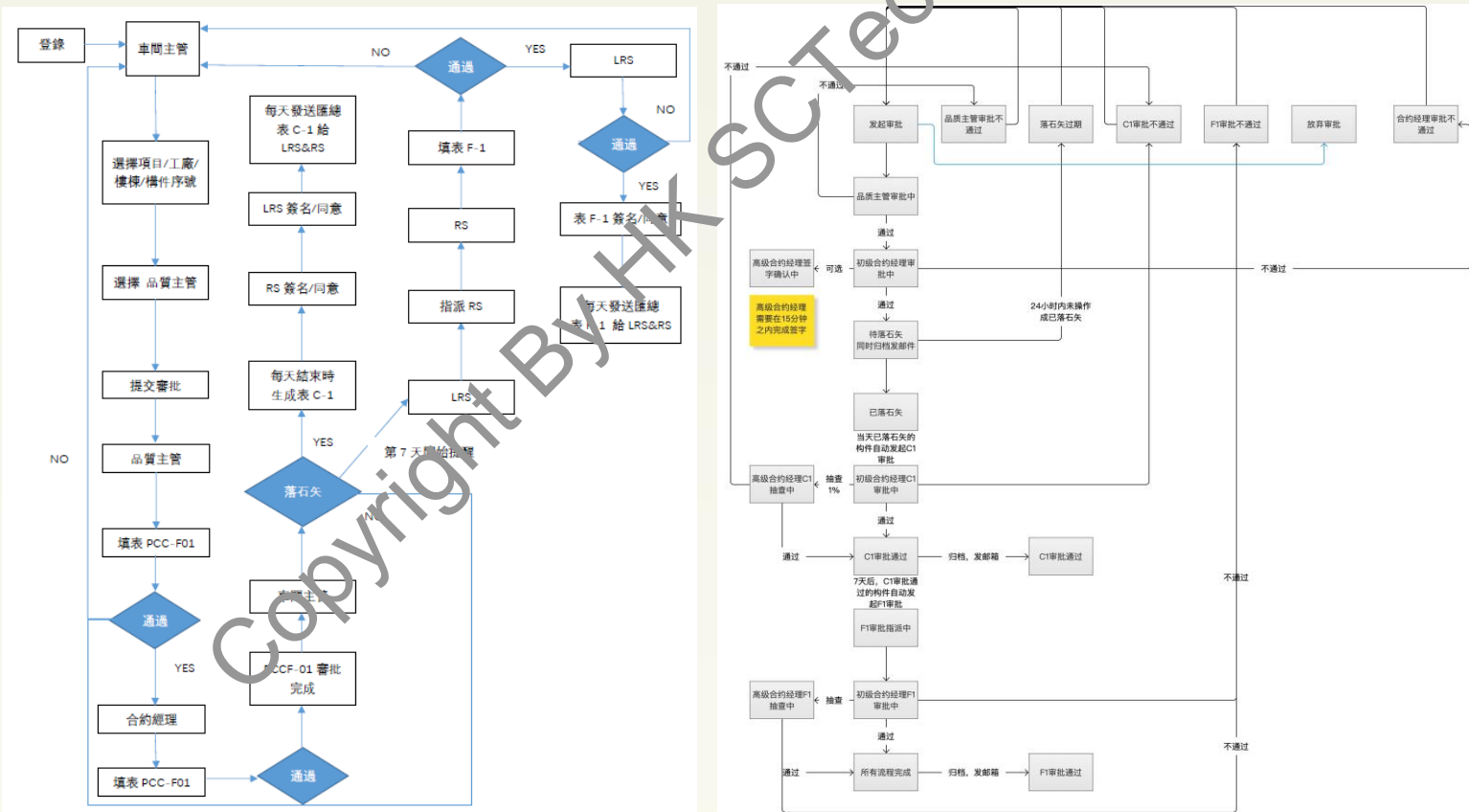
APP Features in version 1.0

- Include inspection form PCC-F01, C-1, F-1
- Email notification for processing
- Verify the GPS position of user
- Upload the inspection photos
- Sign the form online
- Generate and save the signed form in excel format



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Flow Chart



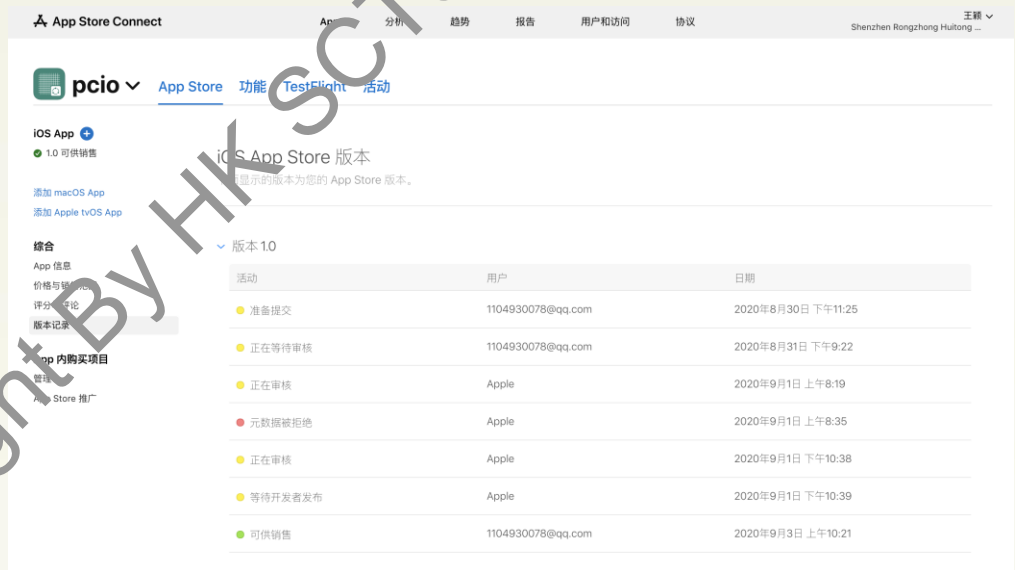
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Download APP (iso)



Apple Store



First launched date: 3 Sep 2020

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Download APP (android)

Download link for Android

https://pcio2.oss-cn-shenzhen.aliyuncs.com/app_version/android/pcio-test-1.0.1.apk

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Login



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Interface



車間主管

品質經理

駐廠監督員

總駐廠監督員

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Inspection Form PCC-F01

Step1: 車間主管發起審批



Introduction of

Precast Component Inspection Online

Inspection Form PCC-F01

Step2: 品質主管 處理審批



Introduction of

Precast Component Inspection Online

Inspection Form PCC-F01

Step3: 駐廠監督員RS/高級駐廠監督員LRS 處理審批



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Inspection Form PCC-F01

Step4: 車間主管 完成落石矢

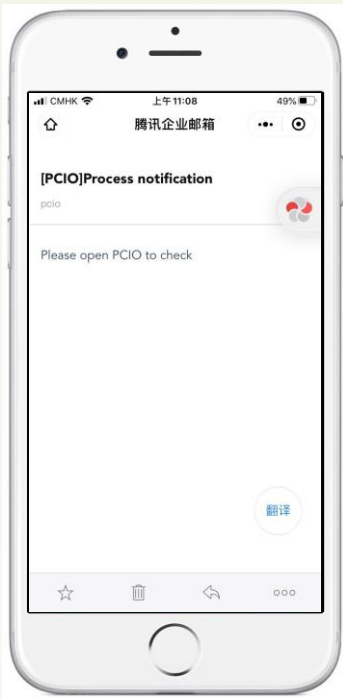


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Inspection Form C-1

Step5: 駐廠監督員RS 處理審批



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Inspection Form C-1

Step6: 總駐廠監督員LRS 處理審批

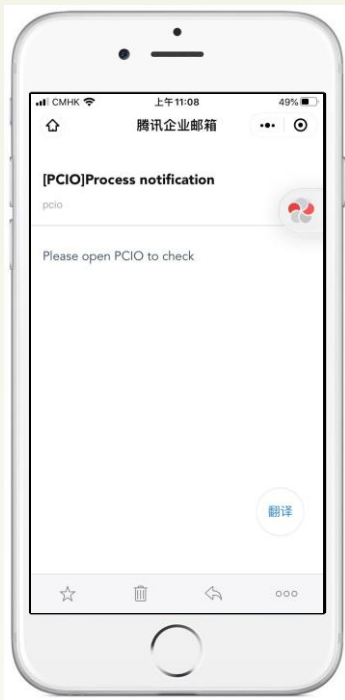


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Inspection Form F-1

Step7: 總駐廠監督員LRS 審批處理

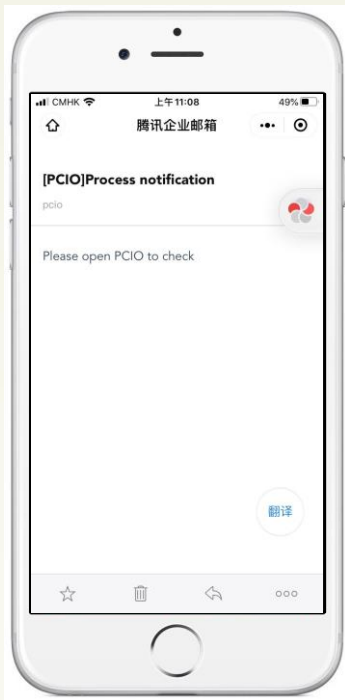


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Inspection Form F-1

Step8: 駐廠監督員RS 審批處理



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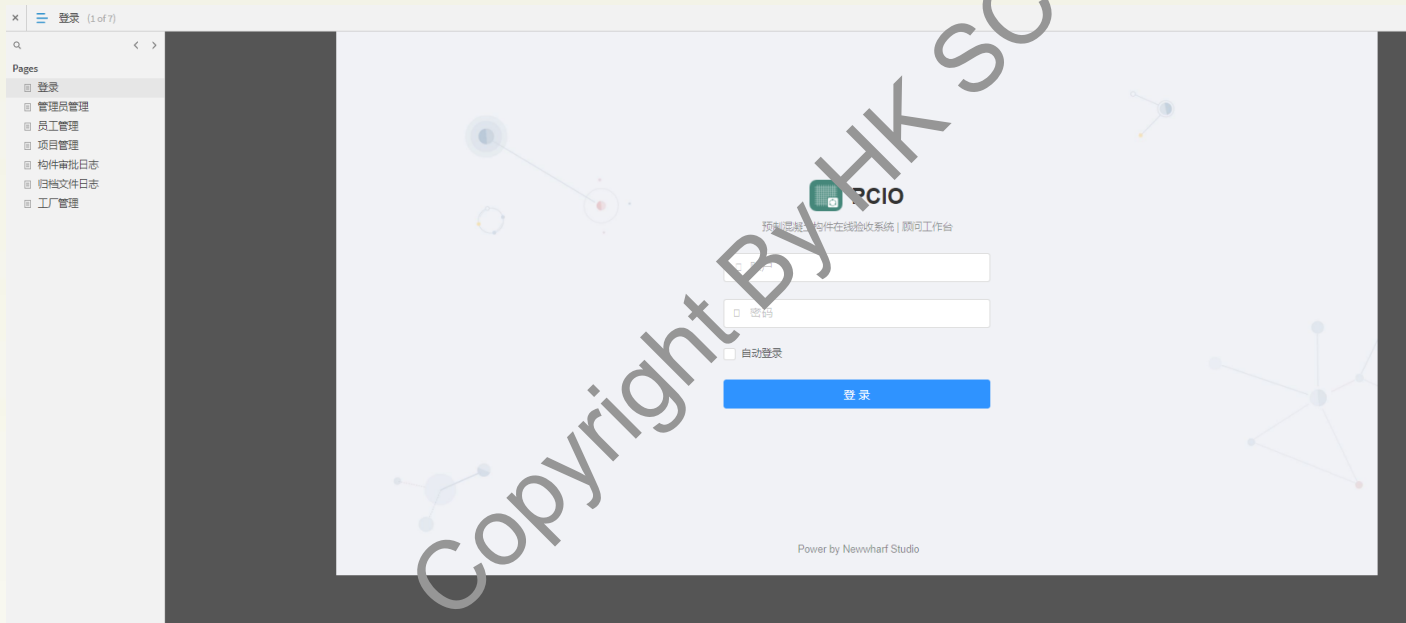
Document Filing



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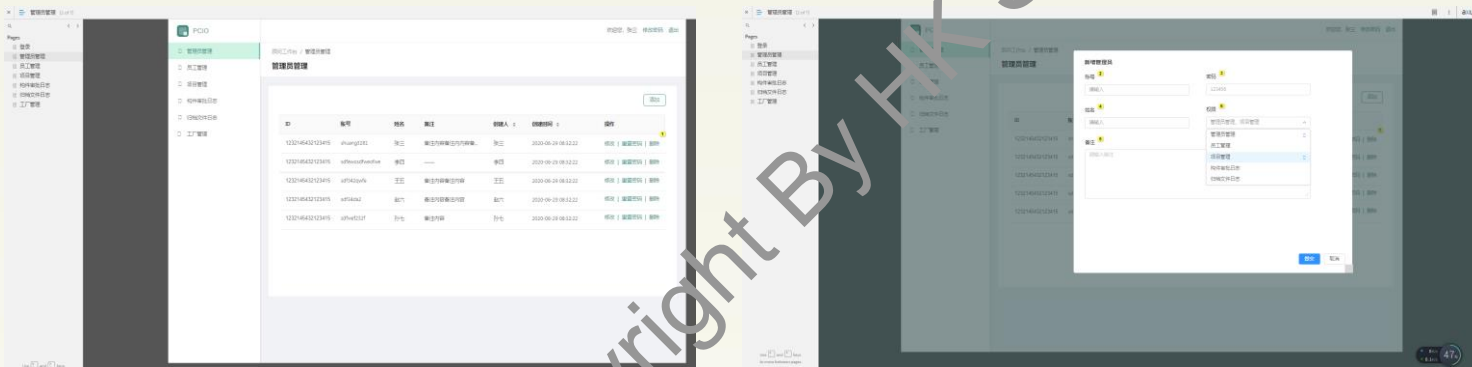
Back End Management Platform



Introduction of Precast Component Inspection Online

Back End Management Platform

Administrator Management



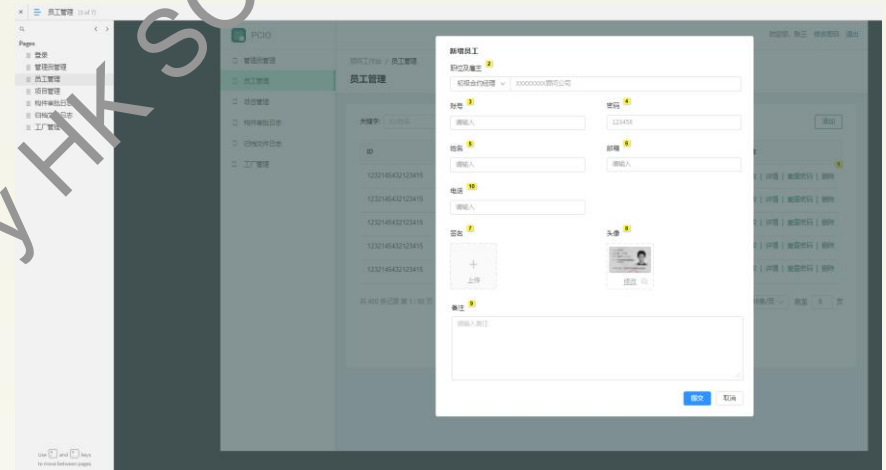
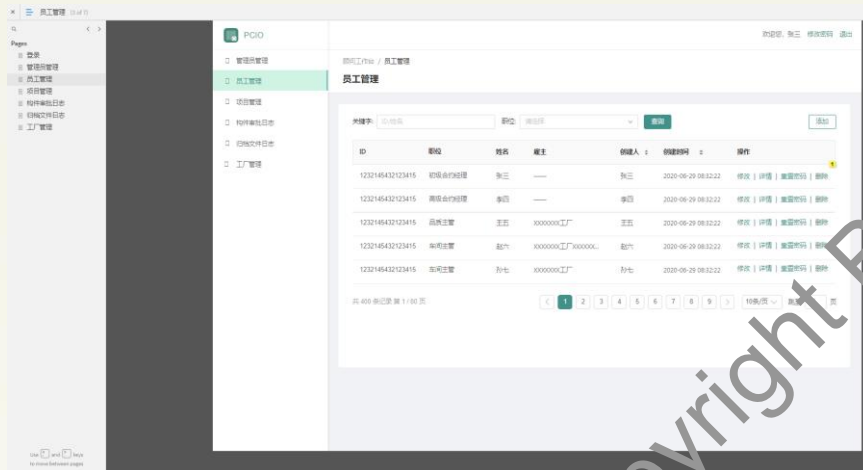
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Back End Management Platform

User Management



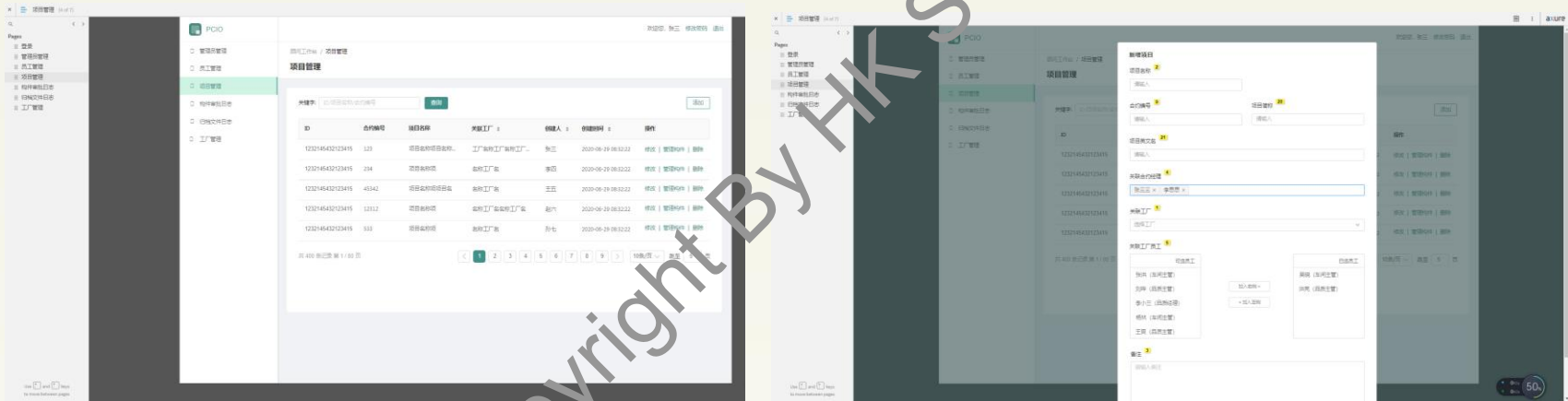
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Back End Management Platform

Project Management



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Back End Management Platform

Inspection Log



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Back End Management Platform

Document Filing

PCIO

顾问工作台 / 归档文件日志

归档文件日志

关键字: 所属项目: 所属工厂: 关联员工:

批量导出筛选结果中的PCCF-01 批量导出筛选结果中的C-1

文档类型: 归档时间:

| ID | 审批ID | 文件类型 | 构件完整编号 | 关联工厂 | 关联项目 | 车间主管 | 品质主管 | 初级合约经理 | 高级合约经理 |
|------------------|------------------|---------|--------------------------------------|-----------|----------|------|------|--------|--------|
| 1232145432123415 | 1232145432123415 | PCCF-01 | UEAD-IEDE-MFTX2A-TM1-A-30-12/C-F0011 | 工厂名称工厂名称 | 项目名称项目名称 | 王五 | 李四 | 张三 | 杨林 |
| 1232145432123415 | 1232145432123415 | PCCF-01 | UEAD-IEDE-MFTX2A-TM1-A-30-12/C-F0011 | 工厂名称工厂名称 | 项目名称项目 | 王五 | 李四 | 张三 | 杨林 |
| 1232145432123415 | 1232145432123415 | F-1 | UEAD-IEDE-MFTX2A-TM1-A-30-12/C-F0011 | 工厂名称工厂名称工 | 项目名称项目名 | 王五 | 李四 | 张三 | 杨林 |
| 1232145432123415 | 1232145432123415 | PCCF-01 | UEAD-IEDE-MFTX2A-TM1-A-30-12/C-F0011 | 厂名称 | 项目名称项 | 王五 | 李四 | 张三 | 杨林 |
| 1232145432123415 | 1232145432123415 | F-1 | UEAD-IEDE-MFTX2A-TM1-A-30-12/C-F0011 | 工厂名称工厂名称 | 项目名称项 | 王五 | 李四 | 张三 | 杨林 |

共 400 条记录, 每页 20 条, 共 20 页

Use and keys to move between pages

53%

Introduction of

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Back End Management Platform

Factory Management

工厂管理

关键字:

| ID | 工厂名称 | 工厂简称 | 创建人 | 创建时间 |
|------------------|------------------|---------|-----|---------------------|
| 1232145432123415 | 1232145432123415 | PCCF-01 | 张三 | 2020-01-02 09:00:00 |
| 1232145432123415 | 1232145432123415 | C-1 | 李四 | 2020-01-02 09:00:00 |
| 1232145432123415 | 1232145432123415 | F-1 | 王五 | 2020-01-02 09:00:00 |
| 1232145432123415 | 1232145432123415 | PCCF-02 | 赵六 | 2020-01-02 09:00:00 |
| 1232145432123415 | 1232145432123415 | | 钱七 | 2020-01-02 09:00:00 |

共 400 条记录 第 1 / 80 页

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51

THANK YOU



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