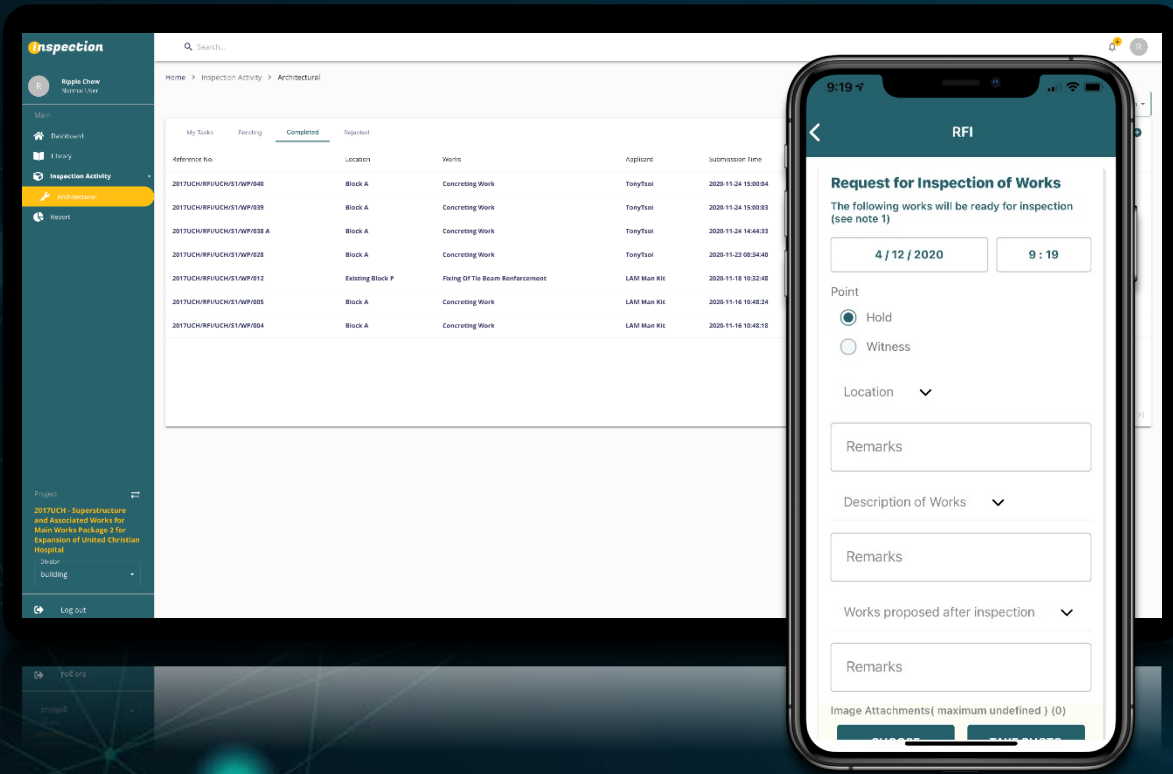


Product Presentation

Applicant Name: Yu Man Kit

Product Name: Cerebro Inspection

Specification: iOS/ Android/ Web Browser



Core Functions:

- 4in1 inspection platform (Site/ Quality/ Environmental/Safety)
- Dynamic Workflow
- Statistics Dashboard
- Cross Project Management
- Project Library
- Admin Console

Technology Used:

- Google Cloud Platform – located at Tseung Kwan O, Hong Kong

Construction Process involved:

- Inspection (Site/ Safety/ Environmental/ Quality Inspection)

Key Improvement in Construction Process:

- Environmental
- Construction Operation

Job Reference:

1. Main Contract for IT Operations Buildings at Shatin Racecourse, Shatin, Trial, 2020
2. Cross Bay Link, Tseung Kwan O – Road D9 and Associated Works (Contract No. NE/2017/08), Adoption, 2020
3. Tseung Kwan O – Lam Tin Tunnel, Road P2 and Associated Works (Contract No. NE/2015/02), Adoption, 2020
4. Site Formation and Infrastructure Works for Facilities in Kong Nga Po (Contract No. ND/2018/01), Adoption, 2020
5. Construction of a 30-classroom Primary School at Shui Chuen O, Sha Tin (Programme No. 358EP), Trial, 2020

Innovative Features

Core Technology: Cloud Based (Google Cloud Platform) Inspection Platform

First Launch Date: 01 July 2020 (First Version) ; 20 April 2021 (Latest Version)

Comparison with Current Practice				
Product	Technology	Specification	Cost Benefits	
			Costs	Benefits
Cerebro Inspection	4in1 Digital Inspection (cloud based platform)	<ul style="list-style-type: none"> • iOS • Android • Web Browsers 	HKD 250,000 (incl. 1 module) HKD 467,500 (all modules)	<ul style="list-style-type: none"> • Secured and systematic storage • Seamless and automated inspection process • Transparent workflow • Quicker decision making • Reduction of human input error • Less Paper Wastage
Paper Inspection	N/A	Paper	Paper Cost	<ul style="list-style-type: none"> • Manual input for staff not familiar with digital products

Innovative Features

Core Technology: Cloud Based (Google Cloud Platform) Inspection Platform

First Launch Date: 01 July 2020 (First Version) ; 20 April 2021 (Latest Version)

Comparison with similar pre-approved list products and competitors

Product	Technology	Specification	Costs Benefits	
			Costs	Benefits
Cerebro Inspection	4in1 Digital Inspection cloud based platform	<ul style="list-style-type: none"> iOS Android Web Browsers 	HKD 250,000 (incl. 1 module) HKD 4,67,500 (all modules)	<ul style="list-style-type: none"> Secured and systematic storage Seamless and automated inspection process Transparent workflow Quicker decision making Real time data analysis Reduction of human input error Less paper wastage
SIMple	Digital Site diary and site inspection checklist	<ul style="list-style-type: none"> Mobile Web Browsers 	HKD 65,000 (initial fee) + HKD 9,000/month (maintenance fee)	<ul style="list-style-type: none"> Secured storage Less paper cost Reduction of human error
Innoshare	Digital Site Diary, E-RISC, Safety and Environmental checklist	<ul style="list-style-type: none"> Mobile Web Browsers 	/	<ul style="list-style-type: none"> Quicker inspection progress Less paper cost

Adoption Example

Adopted Project: Site Formation and Infrastructure Works for Facilities in Kong Nga Po (Contract No. ND/2018/01)

Location: Kong Nga Po

Year: 2020 – Recent

Work Progress: Full adoption of Cerebro Inspection in work sites

Use / Function in project:

- Digital Inspection Process (Site, Safety, Environmental)
- Data Management
- Inspection Data Analysis
- Inspection Process Tracking

Fig 1. Web Browser Dashboard

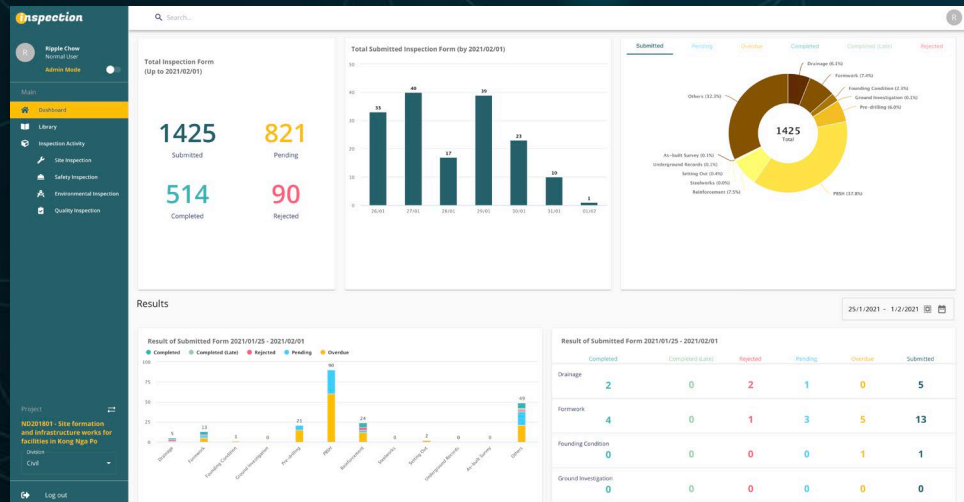


Fig 2. Form Timelines

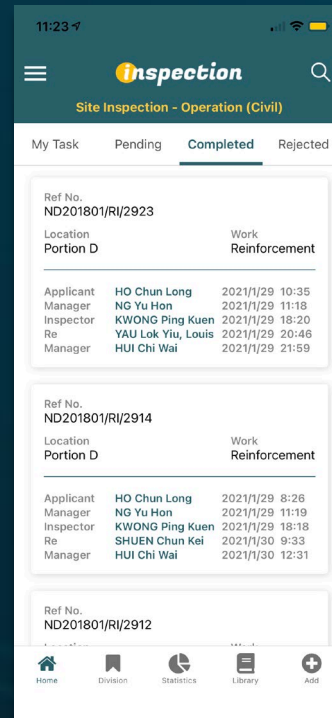
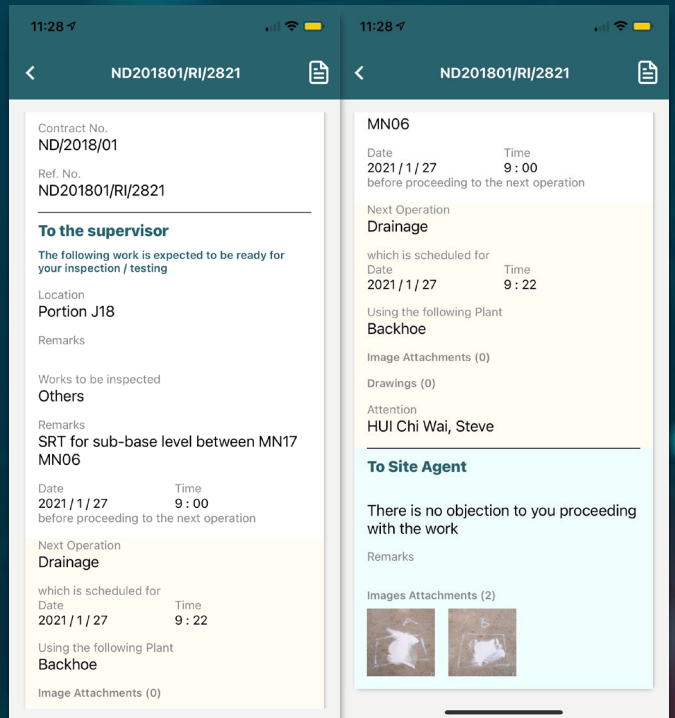
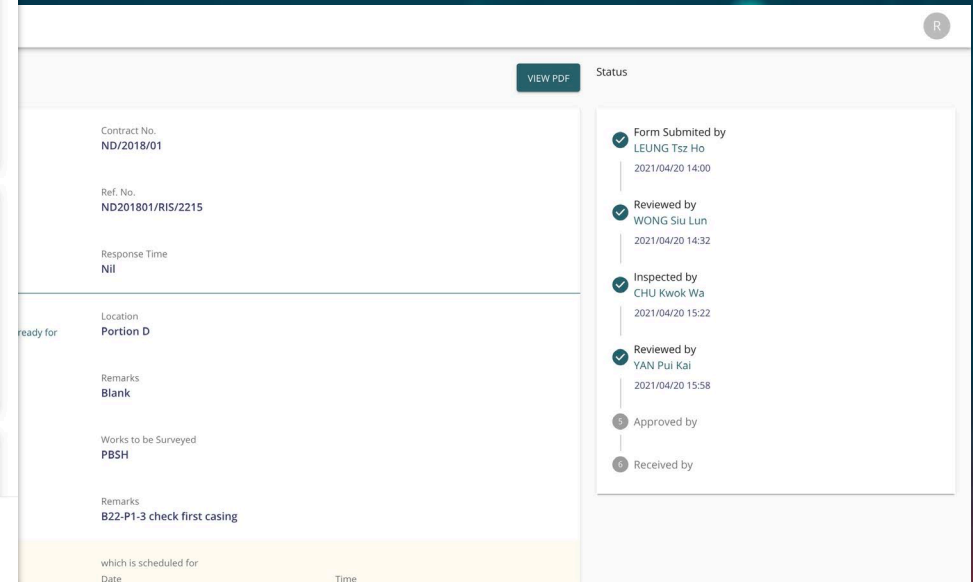
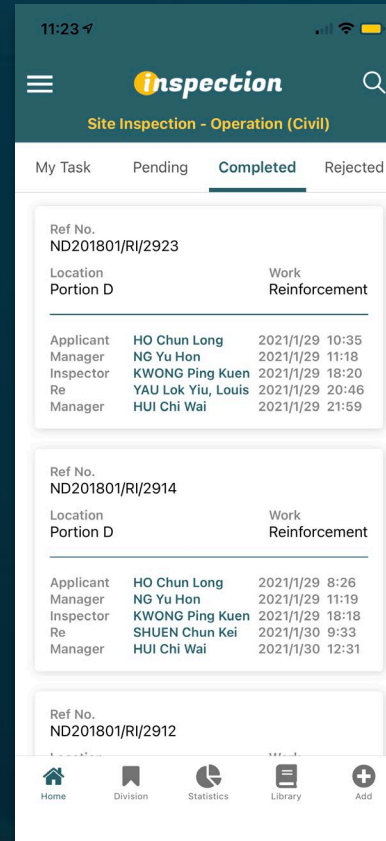


Fig 3. Form Details



Benefits - Productivity

- Simplified, Automated Workflow
- Instant Task Assignment and Notification
- Shorten inspection cycle
- Secured and systematic data management
- High mobility
- Increase Transparency



Benefits - Quality

- Tackle recurring issue / underperformed activities
- Reduced human input error

AR RFI

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Sketch No.

Request for Inspection of Works

The following works will be ready for inspection (see note 1)

20 / 4 / 2021 15 : 39

Location

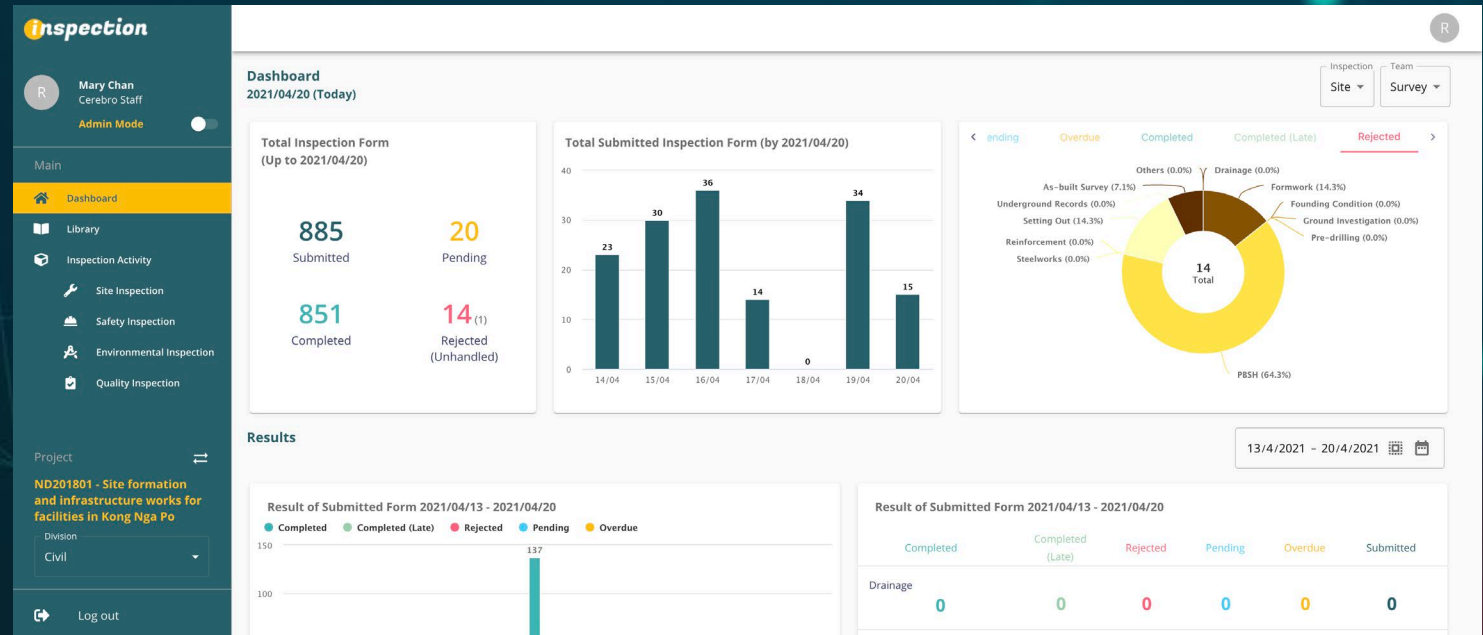
Remarks

Description of Works

Remarks

Work proposed after inspection

Remarks



Benefits - Environmental

- Paper Usage Reduction

Example Project

(Site Formation and Infrastructure Works for Facilities in Kong Nga Po (Contract No. ND/2018/01)):

4286 pages reduced from the usage of Cerebro Inspection

