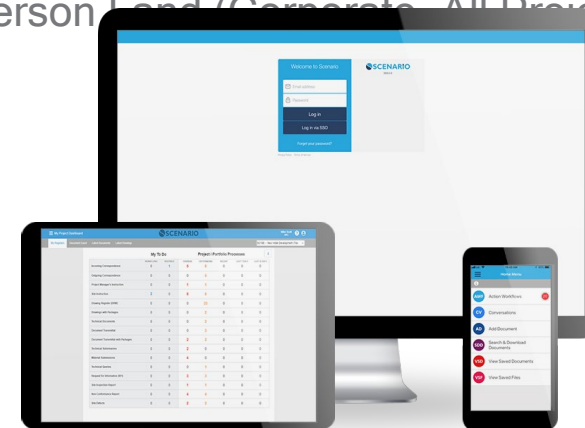# Product Presentation

- **Applicant Name:** Projection (HK) Ltd

- **Product Name:** Scenario

- **Specification:**
  Scenario manages information, commercial and compliance processes for a Project, Portfolio or the Enterprise. Scenario is a Project Management Information System (PMIS), provides functionality for paperless Document & Information Management, online Collaboration, electronic Drawing Reviews, QA/QC management, with an integrated BIM viewer. The Project can also run the Budget, Cost, Progress & Forecast Controls within Scenario, all underpinned by our comprehensive Workflow Manager, Dashboards & Reporting.

-
  The Software is a web-based application and also has an App which is available on Android & iOS. The software can be run in multi-languages.

- **Core Functions:**
  Project Management Information System (PMIS) and Project Controls

- **Technology Used:** Web Application and iOS/Android App

- **Construction Process Involved:** Pre-Construction throughout Defect Liability Period (DLP)

- **Key Improvement in Construction Process:** Productivity, Quality

- **Job Reference(Adoption):**
  - Central Kowloon Route – Central Tunnel, Hong Kong, 2020
  - CLP D2 CCGT, Hong Kong, 2019
  - Paul Y. Engineering (Corporate, All Projects), Hong Kong, 2019
  - Al Mozaini, Middle East, 2019
  - Henderson Land (Corporate, All Projects), Hong Kong, Current

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Innovative Features

- **Core Technology:** Project Management Information System (PMIS)

- **First Launch Date:** 01-Jan-2000

- **Comparison with current practice and popular models:**

  - ❖ Cloud-based Common Data Environment(Scenario) vs Paper-based documents

  - ❖ Capturing and handling all information on the project digitally - removing the risk associated with manual hardcopies being passed around, which can be lost, out of date, or incomplete.

  - ❖ We enable BIM to be 'published' and made visible to the parties on the Project - not just the BIM Team. We integrate to the AutoDesk360 BIM Viewer, and all file types, in addition to IFC, can be viewed without the need for additional software to be installed. All information and documents can be linked to the BIM Model Elements for reference.

  - ❖ High degree of security built into the application to enable all parties on the Project to have access to the software, but security applied to only enable them to view the information they should see. But the benefit to the Project/Client is there is a 'digital data bank' encompassing the entire Project - enabling handover to Operations Team.

- **Comparison with similar Pre-approved list products and competitors:**

  - ❖ Project Management Information System(Scenario) vs Information & Document Management(Competitor)

  - ❖ 100 custom metadata fields vs Only support 6 custom metadata fields
    Wide variety of Flexible Configurations vs Limited Configuration options
    Options for Custom Dashboards & Reports vs No customisation option
    Distribution Matrix (Routing) available, in addition to Workflows & Mail vs No Distribution Matrix
    Can handle complex workflows with Gates, and options for data updates based on outcomes vs Simple - Medium Workflows only. Cannot handle complex workflows

  - ❖ Benefits including cost benefits (product prices vs merits): Project, Portfolio & Corporate Pricing - no siloed Project Instances
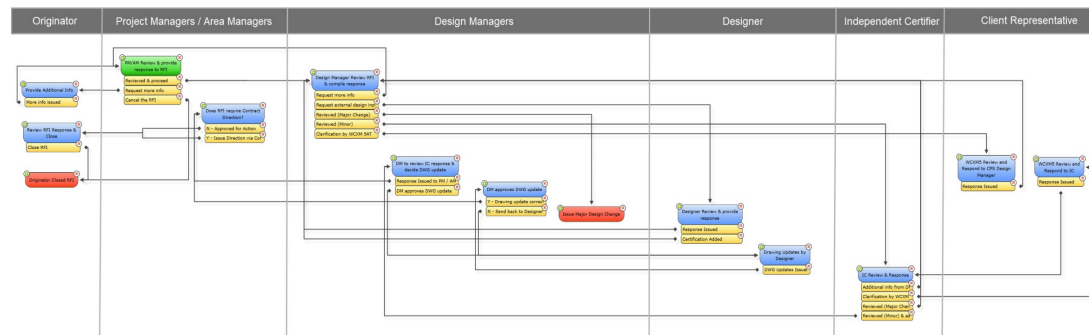
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Adoption Example

Project for Illustration: Demo Project

Work Process: RFI Process

Use/Function in project: Digital Workflow for Approval, Digital Output Form generation, Live Dashboard for tracking

#1: Digital Workflow

Workflow setup for RFI with Stages. Layout above representing various activities and decision points / outcomes.
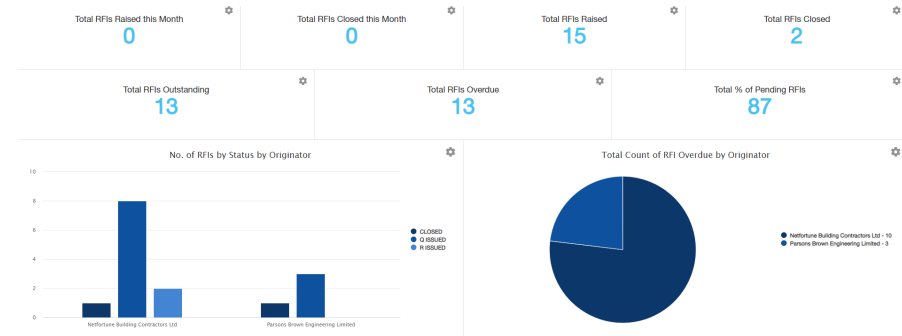
#2: Digital Output Form

RFI form generated via Workflow, with Digital Signature applied. 100% paperless process.

#3: RFI Dashboard

Dashboard with live data. Drilldown function available with each chart, detailed information shown when click on the charts.

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Benefits - Productivity

- **Improve productivity by:**
  Digitalization of Change Management
  - Stage 1: Request for Change
  - Stage 2: Approval Request Form
  - Stage 3: Engineers Instruction
  - Stage 4: Agree Valuation Instruction

- **Traditional Output:** 6 Weeks

- **Output by Scenario:** 6 Days

- **Total Saving:**
  5 weeks saving in time (80%)

- Traditional Method Problem Photo

- Tradition method requires passing on hardcopy/file within project team for review manually.

- New Method Improvement Proof / Photo

Stage 1 - RFC - Request For Change		✓ Completed: 25-Sep-2018	Owner: ℹ Andrew Smith, NBC	Initiated By Gordon Williams, NBC on 25-Sep-2018		Time Allowed: 14 Days	Deadline: 09-Oct-2018
Activity	**Outcome**	**Remarks**	**Owner**		**Actioned By**		**Deadline**
RFC - PM Approval Required	PM Approved	Terence White, FE wrote: Hey Ben can you look at this ASAP	ℹ Terence White, FE Info: Farah Johnson, WSA		Terence White, FE	On 25-Sep-2018	25-Sep-2018
RFC - Technical Assessment Required	Assessed by Engineer	Ben Ryan, PBE wrote: Terence, all good, okay to proceed	ℹ Ben Ryan, PBE		Ben Ryan, PBE	On 25-Sep-2018	09-Oct-2018
Raise ARF	ARF Raised	*No Remarks Entered*	ℹ Jenny Thompson, FE		Jenny Thompson, FE	On 25-Sep-2018	09-Oct-2018

- Digital Workflow for Change Management. Workflow activity owners review, comment and approve workflows digitally. Every step is kept track in a timely manner, and it is 100% paperless process.

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Benefits - Quality

- **Improve quality by:**
  Digitalization of Inspections & Testing Requests (ITR aka eRISC)

- **Traditional Method:**
  Paper based, with multiple copies. Consumes storage space

- **Scenario:**
  In excess of 450,000 Digital Inspections

- Single truth of data

- Record will never get lost

- **Saves 1 million+ pieces of paper Plus significant time savings in Project Period**

- Traditional Method Problem Photo

- Need to print, sign, scan and upload document repeatedly. Time and cost consuming, and not environmentally friendly.

- New Method Improvement Proof / Photo

- Digital output form can be configured as per client accordingly. It will be generated via Workflow, with Digital Signature applied. 100% paperless process