• Product Presentation

Applicant Name: isBIM Limited

Product Name: AlphaBIM Project Management and Control Platform

Specification:

➢ Deployment: support both public and private deployment. Server side is deployed on Windows Server.

➢ Using both B/S and C/S structure, Support to operate on major browser like Chrome, Firefox etc.

➢ To at least meet the coordination work of 500+ users, through the load balance expansion, it supports higher level of user load.

➢ All major functions are modular in design and can be combined freely. The product is open, supports customization and can be integrated with other system.

➢ Easy to deploy and install

• Core Functions

➢ Multiple projects
➢ BIM Modeling
➢ Design Management
➢ Construction progress management
➢ Safety and quality management on site
➢ Construction daily log
➢ Document Management
➢ Project data overview

• Technology Used：

➢ Visual Studio, .Net Framework 4.5
➢ Asp.Net MVC
➢ MariaDB
➢ JQuery, Vue

• Construction Process Involved:

➢ Progress
➢ Safety
➢ Quality
➢ Construction daily log

• Key Improvement in Construction Process:

➢ improve management efficiency
➢ improve efficiency of communication
➢ centralise management
➢ model visualization

• Job Reference:

➢ Haikou Shiwai School Project, Haikou, Adoption, 2019
➢ CSCEC Project Control Platform, China, Adoption, 2020
➢ Haikou Hospital Projects, Haikou, Adoption, 2020

Innovative Features

- Construction daily log

- Core Technology
  - ➢Vue, QRCode

- Comparison with current practice and popular models:
  - ➢Show construction daily log based on calendar
  - ➢Share construction daily log by QRCode
  - ➢View construction daily log via mobile

- First Launch Date:
  - ➢2021.08.25

Adoption Example

- Project for Illustration: Haikou Shiwai School Project

- Work Process:?

- Used Functions in project:
  - ➤ BIM Modeling
  - ➤ Design Management
  - ➤ Construction progress management
  - ➤ Safety and quality management on site
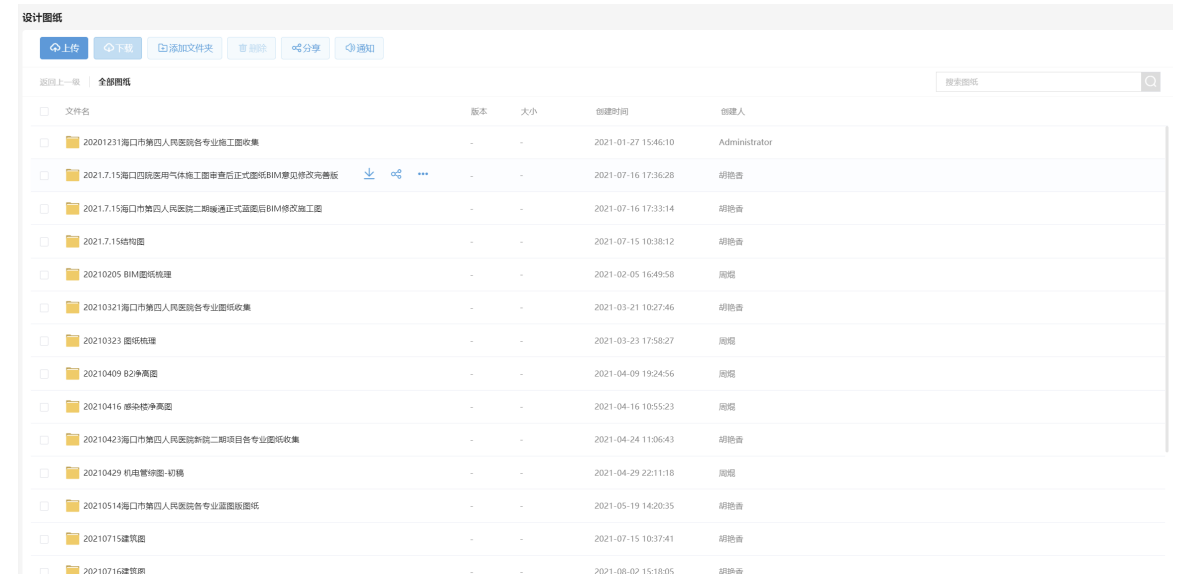 - ➤ Document Management
  - ➤ Project data overview

BIM modeling: show all models and view online

Project data overview: show the project data via large screen

Safety management : manage all on site safety issues

Adoption Example

- Project for Illustration: CSCEC Project Control Platform

- Work Process:?

- Used Functions in project:
  - ➢ Multiple projects
  - ➢ BIM Modeling
  - ➢ Design Management
  - ➢ Construction Daily Log
  - ➢ Safety and quality management on site
  - ➢ Document Management
  - ➢ Project data overview
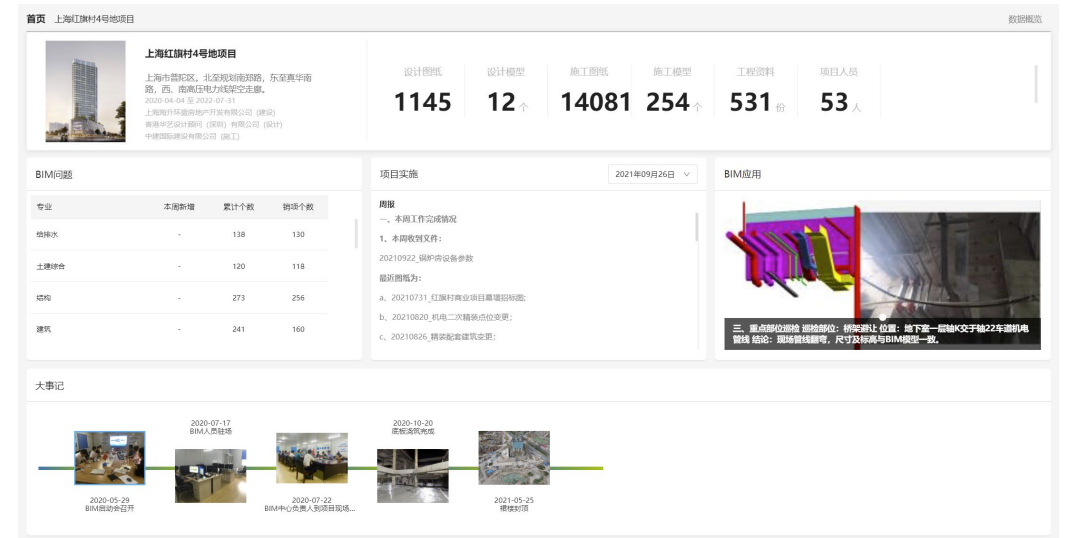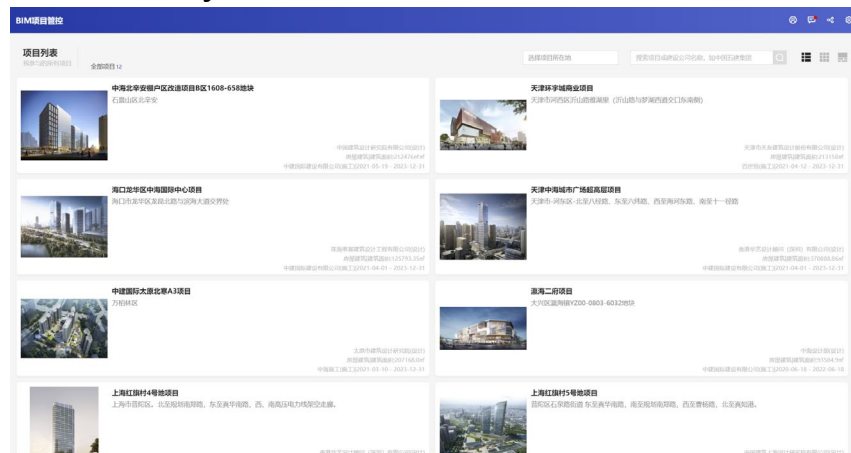
Project Data: show BIM issue, weekly report

Multiple projects: manage more than 10 projects
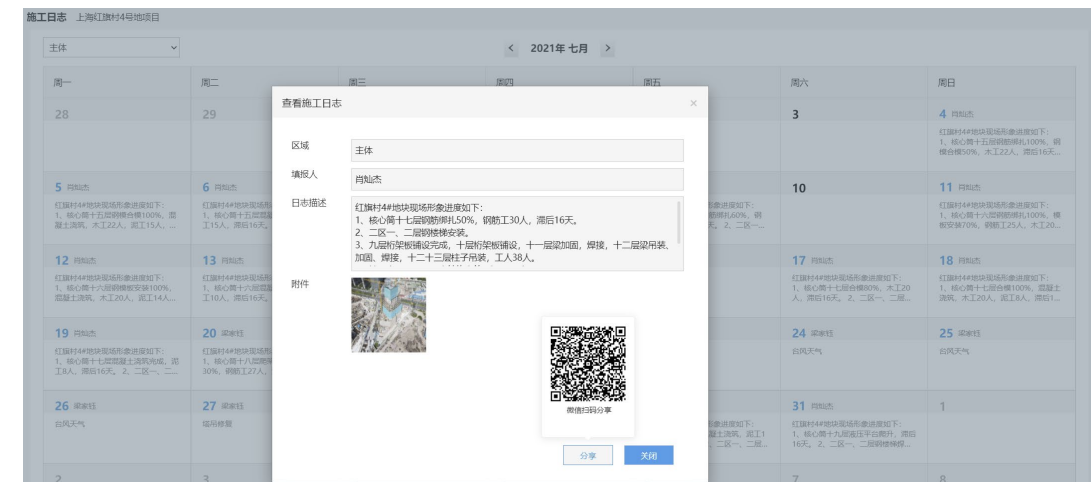
Construction Daily Log : manage construction daily log, share and view

Adoption Example

- Project for Illustration: Haikou Hospital Projects

- Work Process:?

- Used Functions in project:
  - ➢ Multiple projects
  - ➢ BIM Modeling
  - ➢ Design Management
  - ➢ Document Management

BIM modeling: show all models and view online
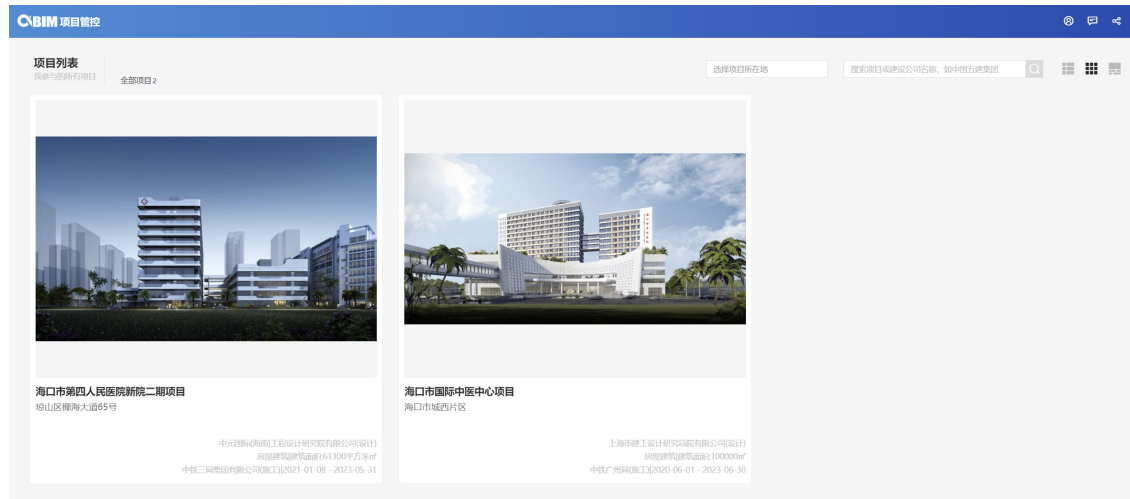
Multiple projects: manage 2 projects
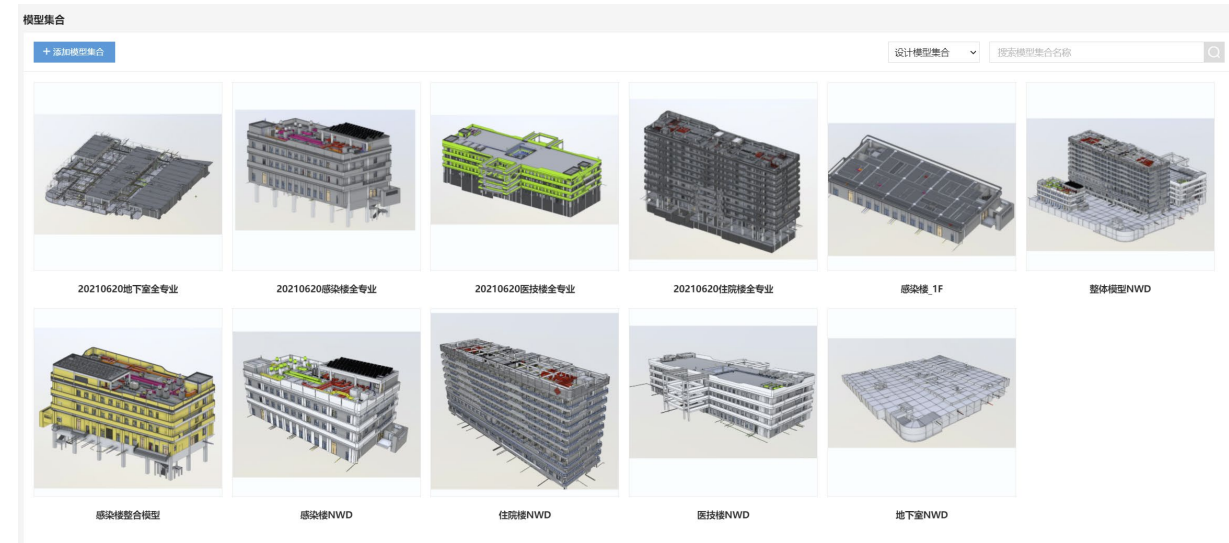
Design Management: manage all design documents

Benefits-Quality

- Improve quality by
  - Model visualization to reduce design issue
  - Manage document history to avoid data loss
  - Track construction site issues' status in time
  - Track project status in time

Manage document history

Track construction site issues

Model visualization

Benefits-Safety

- Improve safety by
  - ➤ Manage construction safety issues
  - ➤ Require solving issues on time and warning
  - ➤ Manage site inspection

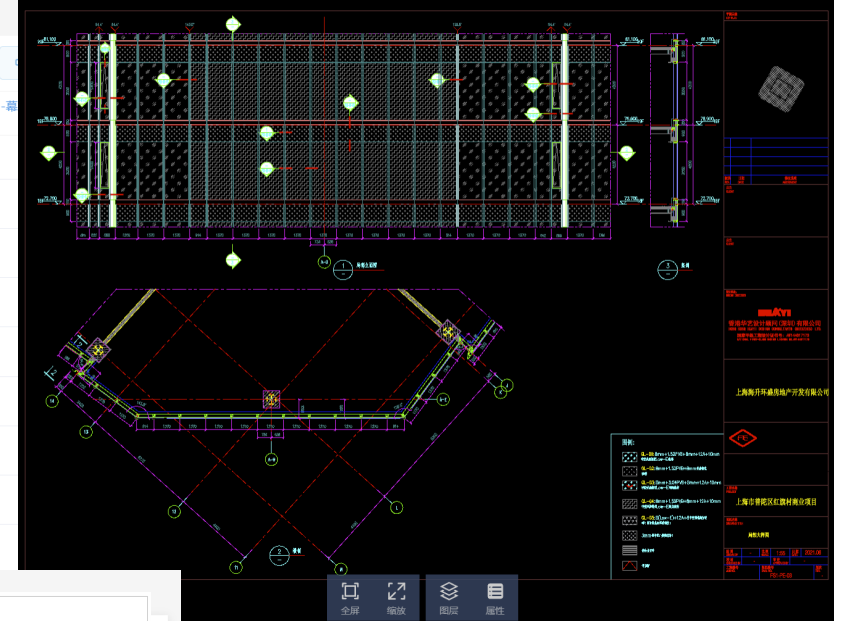➤ Require solving and warning
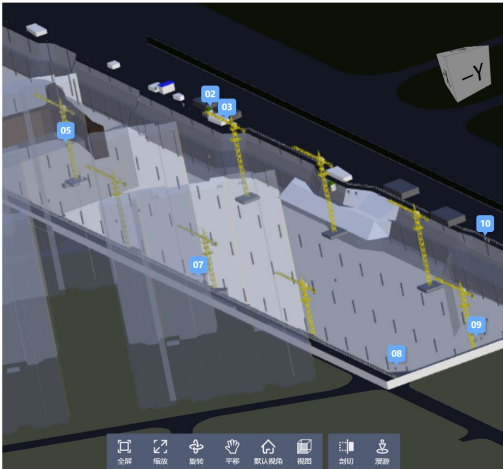
Manage construction safety issues

Manage site inspection

Benefits-Environmental

- Improve Environmental Performance by:
  - View design drawing、pdf、word on line and reduce paper waste
  - Export data into report and reduce paper waste

Online view

Export data