

thinkproject

# KAIRNIAL Mobile-first BIM

Make intelligence your asset.



# CAPTURE, CONTROL & SHARE ASSET DATA – ANYWHERE, AT ANY TIME



KAIRNIAL

KAIRNIAL is a mobile-first BIM platform that will transform how you and your stakeholders access and share built asset data while on-construction-site.

With KAIRNIAL you can digitalise your field inspections and controls to meet all your quality and compliance to the highest standards. Ensure a smooth handover and make operations efficient with mobile-enabled as-built records from KAIRNIAL.

With your project team freed from the constraints of administration, you are free to focus on the collaboration and innovation that will make your built assets a success.

With KAIRNIAL you can...

- Access the latest models & 2D plans in the field, access data anywhere, at any time
- Capture and manage defects/issues directly in the field
- Track installation progress & operations of maintainable equipment whilst meeting QSHE goals
- Implement quality objectives across the entire project from plan, build to operate

READ ON TO DISCOVER KAIRNIAL'S DIFFERENT MODULES AND HOW THEY CAN BENEFIT YOU.

BIM

Observations and defects

Control forms

Equipment

Project documents

# BIM



## COLLABORATE DIRECTLY FROM YOUR BIM MODELS

The KAIRNIAL BIM module allows users to quickly and easily access the latest models (and 2d plans) using any device (web or mobile). Project teams can identify, track and solve coordination issues in a

transparent and efficient manner. Highlight progress, manage quality and the required compliance control checks, all in a simple and connected environment.

## KEY FEATURES

- View models (IFC/RVT)
- Compare models
- Collaborative review manager
- Link files
- BIM Collaborative Format
- Revit plugin
- Filter & add object data
- Data analysis & extraction
- Track progress
- Mobile access

## BUSINESS BENEFITS

- 2D & 3D integration and navigation
- Full data integration with other KAIRNIAL modules
- Mobile accessibility of model (and data) for all stakeholders

**"WE USE KAIRNIAL AS A COMMUNICATION TOOL WITH THE OWNERS AND DEVELOPERS TO COMPILE AND ASSEMBLE ALL OUR MODELS AND COMMUNICATE WITH OUR TEAM ON THE VARIOUS ASPECTS OF THE PROJECT AND THE INTER-CONNECTIONS BETWEEN THE DIFFERENT ELEMENTS WITH THE PLATFORM'S INTUITIVE IN-BUILT VIEWE."**

**ANTOINE BARATTE, BIM MANAGER, EIFFAGE CONSTRUCTION.**

## USE CASES

### On-site BIM

Link quality management processes to any model object with associated custom milestone workflows.

### Simple visualisation

Easily find accurate information on your 2D plans and 3D models.

### Easy collaboration

Manage collaborative reviews in an Open BIM environment

### Digital record

Get a connected digital asset record of the latest models, plans and documents available to all site teams.

# Observations and defects



## STRUCTURE DEFECT MANAGEMENT AND CLOSEOUT PROCESSES

The KAIRNIAL Observations and Defects module allows users to quickly capture all types of site observations via a standard mobile device. Observations are auto assigned to the responsible party, each with a resolution timescale,

comments and photos. Each type of observation can be managed through fully configurable resolution workflow. Centralised reporting then allows you to track the real-time status of each item, through to closeout.

### KEY FEATURES

- Multiple observations types
- Pin 2 BIM
- Configurable fields
- Observations templates
- Pin 2 plan
- Attach comments & photos
- Configurable statuses
- Powerful reporting
- Mobile & offline

### BUSINESS BENEFITS

- Observations fully integrated on both BIM models and 2D plans
- Centralised observation register accessible to all users
- Fully configurable workflows and permissions for each observation type

**"WE JUST HAVE TO SWEEP THE PLAN DURING THE CONSTRUCTION SITE VISIT TO ESTABLISH OBSERVATIONS FOR OUR SUB-CONTRACTORS, CO-CONTRACTORS OR EVEN OUR INTERNAL TEAMS BY GIVING THEM COMPLETION DEADLINES OR SIMPLY OBJECTIVES."**

MICHA PUCCIRILLO, PROJECT MANAGER, ENGIE SOLUTIONS.

## USE CASES

### Fast resolution

Position observations on 2D plans and 3D models, comment, annotate and assign to the right team with assigned tasks.

### Consistent process

Standardised observation types and descriptions to ease tracking and reporting

### Centralised register

Access a single register of all observations with the full history of updates and changes.

### Consolidated reporting

Manage works quickly tracking all observations by status, sharing detailed reports to any stakeholders.

# Control forms



## DIGITALISE QSHE PROCESSES

The KAIRNIAL collaborative platform allows you to standardise and centralise your QSHE and compliance processes. Fully configurable data capture forms are made available to inspection teams via their mobile device.

Forms can be connected to locations, equipment and components on both 2d plans and in the BIM model to build a robust digital quality and compliance record for the delivered asset.

## BUSINESS BENEFITS

- Capture quality and compliance record data directly in the field, even when working offline
- Connect quality control checks directly to the equipment and components in the BIM Model
- Extract all captured data via excel or API

## KEY FEATURES

- Digitise your process forms
- Pin 2 BIM
- Configurable form fields
- Enterprise templates
- Pin 2 plan
- Attach files, comments & photos
- Configurable statuses
- Powerful reporting
- Mobile & offline

## USE CASES

### Standardised quality management

Digitise your site visits, quality, compliance, test and commissioning inspection check sheets.

### Compliant delivery

Ensure compliancy by graphically positioning forms against systems/equipment in BIM models and locations in 2D plans.

### Consolidated reporting

Generate and share reports consolidating all the controls carried out on each project.

### Quality management

Manage forms through configurable review, approval and close-out workflows.

**"WE WILL GIVE TO OUR EMPLOYEES THE POSSIBILITY OF USING THE MODEL TO CARRY OUT THEIR SITE INSPECTIONS OR TO CARRY OUT THEIR OPRS. WE ARE ALSO GOING TO DEPLOY OTHER USES THAT ARE A LITTLE MORE EXPERIMENTAL, BUT WHICH ALWAYS GO IN THE DIRECTION OF IMPROVING PRODUCTION AND CONTROL OF DEADLINES VIA THIS PLATFORM."**

**SIHEM AMOKRANE, BIM MANAGER, SPIE BATIGNOLLES.**

# Equipment



## CONTROL THE INSTALLATION AND COMMISSIONING OF MAINTAINABLE EQUIPMENT

Our equipment management module allows you to define, and capture required 'data', compliance and commissioning checks against all maintainable equipment and structural components, during construction or in existing built assets.

### BUSINESS BENEFITS

- Define and capture the critical data for all components and equipment
- Track equipment from delivery to commissioning and installation
- Manage any compliance checks and attach all required documentation

### KEY FEATURES

- Equipment type library
- Equipment database
- Configurable form fields
- Enterprise templates
- Mobile & offline
- Attach files, comments & photos
- Pin 2 plan
- Powerful reporting
- Track progress

**"WHEN THE PRODUCTS ARRIVE ON THE SITE, BY SIMPLY READING THE QR CODE WITH THE TABLET OR SMARTPHONE WITH THE KAIRNIAL APPLICATION, WE KNOW WHAT PRODUCT IT IS, WHERE IT'S LOCATED, AND THE INFORMATION GOES BACK INTO THE MODEL."**

**XAVIER TOURNILLON, DIRECTOR FOR BUILDINGS, PARIS OUEST.**

## USE CASES

### Installation tracking

Track the construction, installation and commissioning progress using fully configurable workflows.

### Equipment location

Graphically position equipment instances on the relevant 2D plans.

### Consolidated reporting

Track and report on all Equipment instances. Export to excel and detailed location-based PDF Reports.

### Digital register

Automatically creates a fully searchable equipment register database.

# Project documents



## CENTRALISE AND SHARE YOUR PROJECT DOCUMENTS

Adapted to your needs across the entire design, construct, handover, operate, deconstruct life cycle of each built asset, it ensures that all stakeholders can securely

share and access the latest project data whilst providing controls, collaboration and a fully transparent audit history.

## KEY FEATURES

- File name validation
- Online review
- Transmittals
- Track deliverables
- Compare files
- Review/approvals
- Print requests
- Notifications
- Statistics

## BUSINESS BENEFITS

- Unlimited data storage
- Self-administration
- Generate 'live' statistics

## USE CASES

### Structure and share information easily

Share fully version-controlled files through a flexible and secure folder structure with role-based permissions.

### Drive standardisation and compliance

Configure and enforce file naming conventions aligned to your project needs.

### Access on your mobile

Access the latest version of every file directly on your mobile device.

### Simple, efficient reviews and approvals

Automate your document review and approval processes with a transparent audit trail.

**"KAIRNIAL BRINGS A LOT OF VALUE TO THE DOCUMENT VALIDATION CYCLE. WE LOAD OUR PLANS ON THE SYSTEM FOR THE SITE TEAM TO VALIDATE THEM, WHICH WE CAN TRACK THROUGH WEB OR MOBILE. THEN WE FOLLOW THE REVIEWS FROM THE ARCHITECT, PROJECT MANAGER AND CONTROL OFFICES AND RESPOND TO THOSE REVIEWS DIRECTLY FROM THE PLATFORM. THIS IS A REAL TIME SAVER FOR US."**

RÉMI BOULANGÉ, EXECUTION DESIGNER IN BE STRUCTURE, RABOT DUTILLEUL.

Europe-based Thinkproject is a leading construction and engineering SaaS provider, turning intelligence from data and industry experts into an advantage for customers, it is at the forefront of the digitalisation and transformation of the AECO industry.

With 700+ employees worldwide, Thinkproject provides digital solutions enabling the management of asset lifecycles to:

**75k**  
PROJECTS DELIVERED

**300,000**  
USERS, IN OVER...

**3,250**  
CUSTOMERS

**60**  
COUNTRIES