



# CASE STUDY

**CTBIM**

*A high-end resort nightmare*

## UNFAMILIAR PARTIES & LABOR SHORTAGES RESULT IN UNCHECKED RISKS

3 unfamiliar international construction management firms formed a new entity to oversee buildout of a high-end luxury island resort. The island experienced a labor shortage, which made it necessary to recruit welders from nearby Mexico to fill the void. 200 workers from Mexico were hired to weld plumbing pipes throughout the structure. Unfortunately, testing of the pipes was not performed until completion of the welding. The testing revealed extensive leaks throughout the structure, which caused water damaged to finishings, ceilings, floors and walls. The work in place was torn out and required rebuilding at a huge cost to the project.

## CHALLENGES

### 1 UNFAMILIAR PARTIES

Project teams who have never worked together create avoidable risks that result from poor communication.

### 2 POOR QUALITY CONTROL

Working with inexperienced labor pools can result in inconsistent quality control practices. How can stakeholders manage risks associated with poor workmanship?

### 3 SCOPE GAP

A failure to identify critical workflow requirements can delay schedule progress or result in hidden defects that are not identified until post-delivery.

# CTBIM SOLUTION

## 1 DATA TRANSPARENCY

Capture field data that provides real time percentage of work completed. Leads to no surprises for project teams.

## 2 REAL TIME WORK IN PROGRESS

Enable contemporaneous capture of evidence by field crew. Document real time completed build activities.

## 3 AVOID LOSSES

Experience fewer surprises. Project teams can timely identify problems and remediate to stave off loss.

## RESULTS

When field crew use CTBIM, they are required to immediately record the completed build activity and take photographic or video evidence of that work. The CTBIM database, which includes proprietary algorithms that automatically calculate real-time percentage of work completed by contractor, subcontractor and project-wide, provides objective project insights and enable more impactful project controls.

## BENEFIT

Project stakeholders can see real-time, photographic or video evidence of work in place from anywhere worldwide with web connectivity. Since the CTBIM database captures completed field activities in real time, its algorithms produce key performance indicators and identifies critical project, schedule and financial metrics that allow project stakeholders to quickly identify issues or missed tasks that would otherwise lead to cost overruns and schedule delays.



## THE FUTURE

Aon Risk Solutions has vetted and identified CTBIM as a leading construction and asset management technology that can help reduce risk on construction projects. Access to real time, objective data that provides greater transparency into construction field activities can mitigate schedule delay, subcontractor default, accelerate claims resolution and reduce costly litigation. Your next project, with CTBIM, will be your most efficient. Enjoy a reduced risk profile and better contractor and subcontractor controls that will allow you to quickly and more efficiently put your asset to its intended, revenue generating use.