

COMPANY

Atlas Industries Ltd

LOCATION

Vietnam

SOFTWARE

Architecture Engineering & Construction Collection

- Revit
- Navisworks
- 3DS Max
- AutoCAD Architecture

BIM 360

Collaboration is key to Successful BIM Implementation

In the traditional build process, some of the asset knowledge is lost every time one team hands over the project to another. BIM breaks down these barriers by embracing information mobility, making everyone use the same set of standards and processes. As a result, all Atlas team members, partners and clients can work on same project at the same time, removing downtime and reducing miscommunication

– **Trieu Nguyen Luu**

BIM Integration Specialist
Atlas

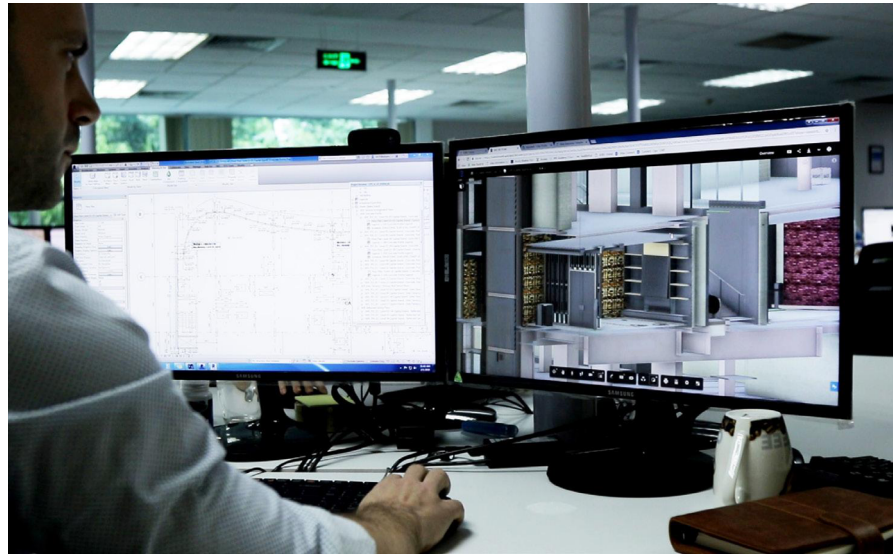
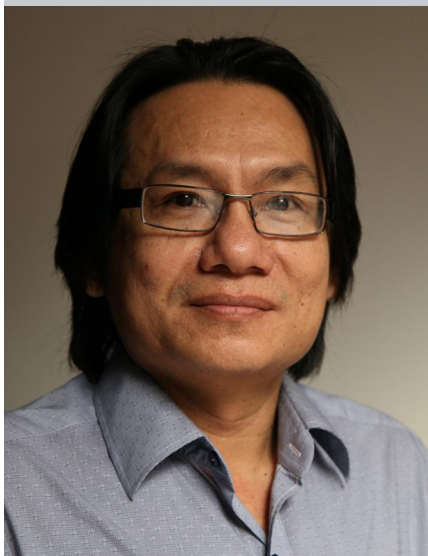


Image courtesy of Atlas Industries Ltd

Introduction

Established in 1998, Atlas Industries is a well-known industry leader in BIM technology, documentation and project delivery services serving architectural, engineering practices and construction companies on a global scale. From residential developments, commercial complexes to fundamental infrastructure across multiple sectors, Atlas has played an important role in creating attractive and sustainable urban environments in UK, Australia, Middle East and Australia. The seamless union of Atlas' capability to utilize advanced BIM authoring tools and have the standards, methods, procedures, skilled staff and infrastructure in place is at the base of the company's operation.

The company's long-standing commitment to understanding their clients' businesses and building established relationships have earned them a trustworthy reputation that keeps clients returning every time.

Project Portfolio

Atlas has an extensive portfolio of support services that reflects a broad range of

successfully delivered projects. This includes assisting in drawing preparations for plans, elevations, sections and details through design development and construction documentation phases.

Atlas has delivered on both tender and construction drawings for traditionally developed projects and for those based on trade package formats. With comprehensive experience of concrete and steel frame technologies, Atlas has experience in nearly all sectors including residential, landscape, education, healthcare, sport/leisure, commercial, industrial, defense, aviation and transportation.

A Challenging Project Creates Opportunities

Boosted by infrastructure investment worldwide, the dynamic construction sector is set for continuous growth in the years to come. Construction companies and clients are always on the lookout for innovative solutions to increase the efficiency of building processes. As construction projects become more complex and now involve many

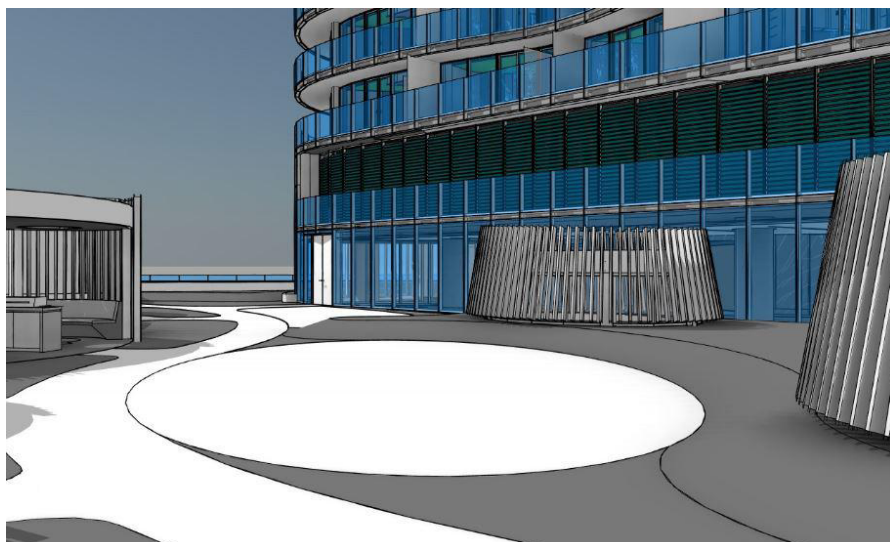


Image courtesy of Atlas Industries Ltd

participants from various disciplines, one challenge the Atlas team has faced during projects is executing them using a conventional data and/or information processing system that consists of 2D-based construction drawings and documents. The project life-cycle of any infrastructure will have several teams managing them.

"The magnitude of our projects call for many teams who are situated at various locations. Time and money are lost because of the lack of timely communication and collaboration for re-design, reconstruction and accurate reporting. This is why we need a tool to identify and solve design errors before construction," said Mr. Frankie Imbrogno, Atlas' BIM Integration Manager.

The Perfect BIM Collaboration Tool

Atlas' tenacious efforts to keep up with technological advancements, such as BIM 360 to bolster its innovative capacity, has led to its rapid growth. With the implementation of BIM, the firm has created distinct processes to give project teams from all disciplines access to deliver the right information to the right people, at the right time.

With BIM 360, multiple project teams at Atlas can collaborate in the cloud with centralized access to Revit models. Just as they would on a local area network, users from various locations can work live and make changes on a single project.

The project team has regular meetings to discuss the 3D models so they can detect clashes and discuss the changes needed to maintain accuracy of the data. Atlas also uses BIM 360, an Autodesk cloud-based team sharing solution to make Revit models and other associated project files accessible to all stakeholders, including internal users, clients, and other external consultants globally.

One of Atlas' advantages is the ability to communicate 3D issues in a virtual 3D environment. This feature has proved to be especially beneficial out in the field. Visualizing and analyzing the projects for other trades not only enhances communication, but facilitates critical coordination that prevents costly rework in the field.

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Changing the Way of Working

For two decades, Atlas has helped create infrastructure that best meets the demands clients worldwide. Atlas understands infrastructure project processes and has the expertise to solve technical challenges.

In the beginning, clients were skeptical about implementing BIM due to lack of knowledge in this new technology. But after a few meetings with Atlas, they were able to see the benefits of enhanced efficiency in using BIM tools as compared to 2D drawings.

Imbrogno highlights that all members of the project teams expressed satisfaction with the 3D visualization of models, accuracy of information and the time saved on checking. "I think with the Autodesk AEC Collection and BIM, we were able to find issues that would never have been found with 2D drawings in advance. All members of the project team can work together in real time on a single project

file. This way, we have a more efficient design process with fewer conflicts," he said.

BIM for Collaboration

The Atlas team has been utilizing Autodesk Solutions effectively. Everyone in each project team, including the client, the construction contractor and most of the designers have access to the centralized model. BIM describes each entity of the project in a common language which leads to better communication, greater efficiency, precise programs and reduced risk. The BIM 360 and Autodesk subscription plans have not only helped Atlas to lower its hardware and IT costs, but has reduced downtime as well.

Trieu Nguyen summarizes their Autodesk experience, "Tools such as BIM 360 are perfect collaboration and management tools for teams and individuals who need to interact with others to produce deliverables of high quality and prevent errors throughout the construction process," he said. By implementing Autodesk BIM 360, Atlas enjoyed a 35% reduction in cost, as well as marked improvement in efficiency and project delivery time.

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