School System Maximizes Technology Investment with Training on Leica Scanner

The teachers, administrators, staff and facilities planning personnel at one of the largest public school systems (the "System") in the United States are committed to helping students prepare for success by focusing on:

1. High-quality instruction

2. Continuous improvement

3. Effective communication

The Systems' Facilities Planning department participates by ensuring the equitable use of facility resources, which requires maintaining records of all buildings, including those that are permanent, leased and relocatable. The department is responsible for generating, revising and updating AutoCAD drawings of site and floor plans of all school and administrative facilities. The reports generated by Facilities Planning are distributed to district administrators, the district's Safety and Risk Management departments, and to the local police and fire departments.

To streamline the process of determining the square footage of all the rooms in all the buildings in all the schools, the System decided to purchase a Leica BLK360 imaging laser scanner, which is small, light and wireless, and provides outstanding data for 3D models.

The System contacted the local office of IMAGINiT Technologies to place the order.

Expanding the Order to Include Training

The System purchased two Leica BLK360 scanners as well as the accessories kit.

The System then reached out to IMAGINiT for assistance in deploying the technology. It connected with Jeff Bowers, Director of Reality Capture Services, IMAGINiT Technologies, who led a two-day BLK360 Jumpstart training program. IMAGINiT created the Jumpstart program to help customers fully understand the processes and workflows of the BLK360 scanner, so they can get the most out of their investment.

Bowers conducted the training at two locations: a school and the administrative office. He showed users how to collect and work with data from a live project, so at the time the training was done, some of the project was complete.

The training consisted of:

1. At the school
    a. Using the BLK360 to scan the structures
    b. Converting the reality to 3D models or 2D drawings with Autodesk® ReCap™ reality capture software
    c. Field collection best practices and data flow

2. At the administrative offices

    a. Point cloud clean-up

    b. Data evaluation and measurements

    c. Data segmentation, regions and visualization

Benefits Realized

Armed with knowledge from the training, the engineering team went on to complete the project at the first school, and then started scanning the other buildings and accurately reporting the square footage. The BLK360 has significantly improved what they do, how they do it and the quality of their deliverables.

With the simplified measuring process, the System has the data it needs to make strategic decisions, and the engineers have more time to work on pressing, high-value projects.

For more information on how IMAGINiT Technologies can help assess your challenges and develop a comprehensive solution, **contact us**.