



A New College Map: Integrating City Engine, Pictometry, and ArcGIS Online

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The Starting Point.....

- **CCBC Campus Map built in ArcGIS Desktop
(Built Using the Building Interior Space Data Model (BISDM))**
 - **Students mapped campus facilities using Trimble GPS/GNSS, post-processed and ground truthed**
 - **Pictometry Imagery: POL and Critical 360**
 - **Campus facilities digitized using the most current imagery and importing already existing CADD data highlighting internal and external features (Facilities Management Application)**
 - **2d map migrated to ArcScene showing terrain, building footprint, room type, etc.)**

And then....

- Demonstrated use for college operations
- Application would be shared within the college using a 5 tiered access system
 - **Public Access**
(interactive campus map and selective in-room imagery)

And then....

- Demonstrated use for college operations
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- **Faculty**

(access to campus room information – Sharepoint and Outlook)

- **Public Access**

And then....

- Demonstrated use for college operations
- Application would be shared within the college using a 5 tiered access system
 - **Room Schedulers**
(access to in-room imagery and room attribution)
 - **Faculty**

 - **Public Access**

And then....

- Demonstrated use for college operations
- Application would be shared within the college using a 5 tiered access system
 - **Campus Facilities**
(access to in-room imagery and room attribution, BLAZER Alert System, real-time building evacuation (Network Analyst Application – in development))
 - **Room Schedulers**
 - **Faculty**

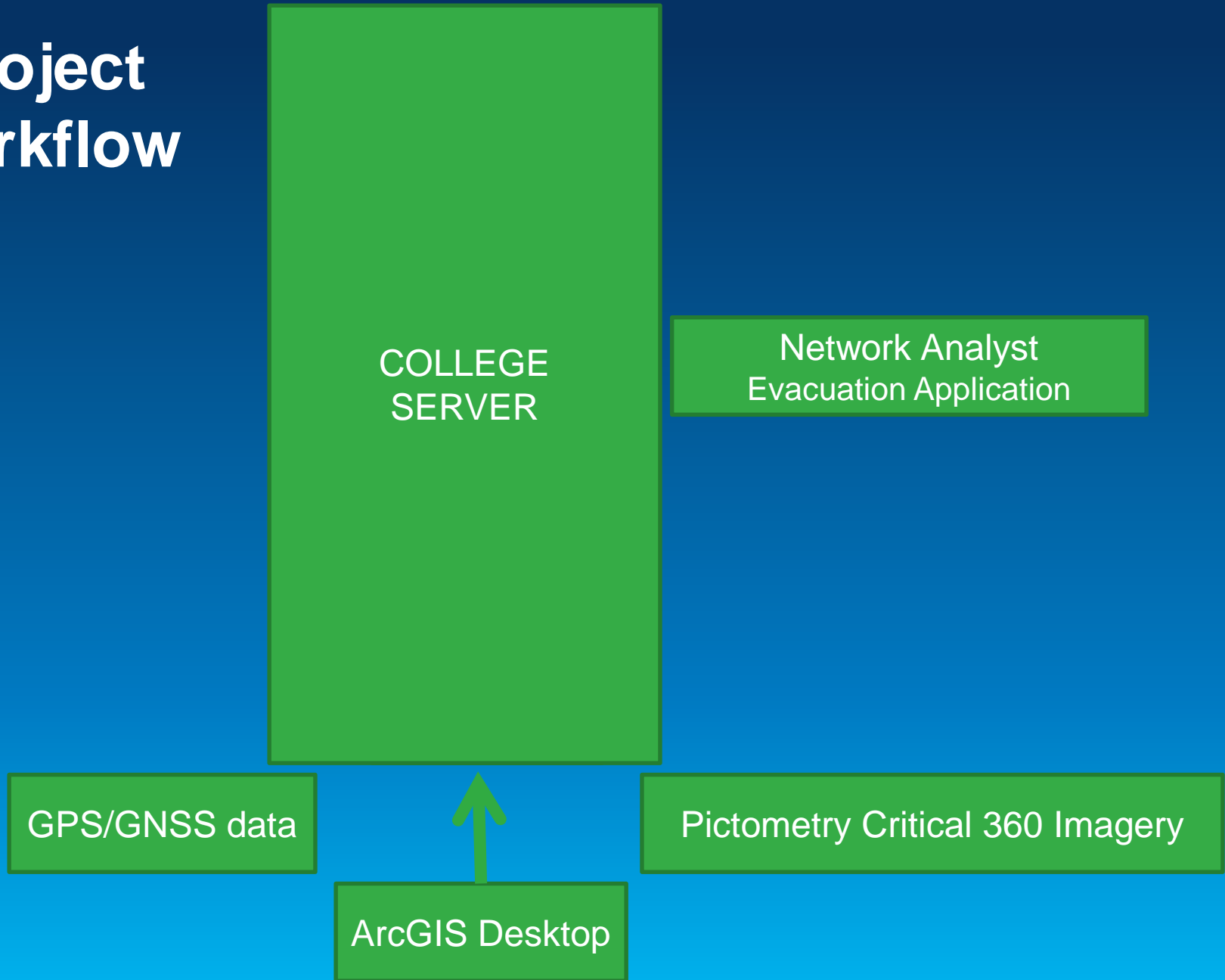
 - **Public Access**

And then....

- Demonstrated use for college operations
- Application would be shared within the college using a 5 tiered access system
 - **Public Safety**
(access to in-room imagery and room attribution, live camera feed, BLAZER Alert System, real-time building evacuation (Network Analyst Application – in development))
 - **Campus Facilities**
 - **Room Schedulers**
 - **Faculty**

 - **Public Access**

Project Workflow



3D Interactive Campus Map

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Layers

- CLASS_LABB_Buildings
- Buildings
- Trees
- Walkways
- ParkingLot
- Roads
- AthleticsFields
- GreenSpace
- Terrain

3D Interactive Campus Map

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Information

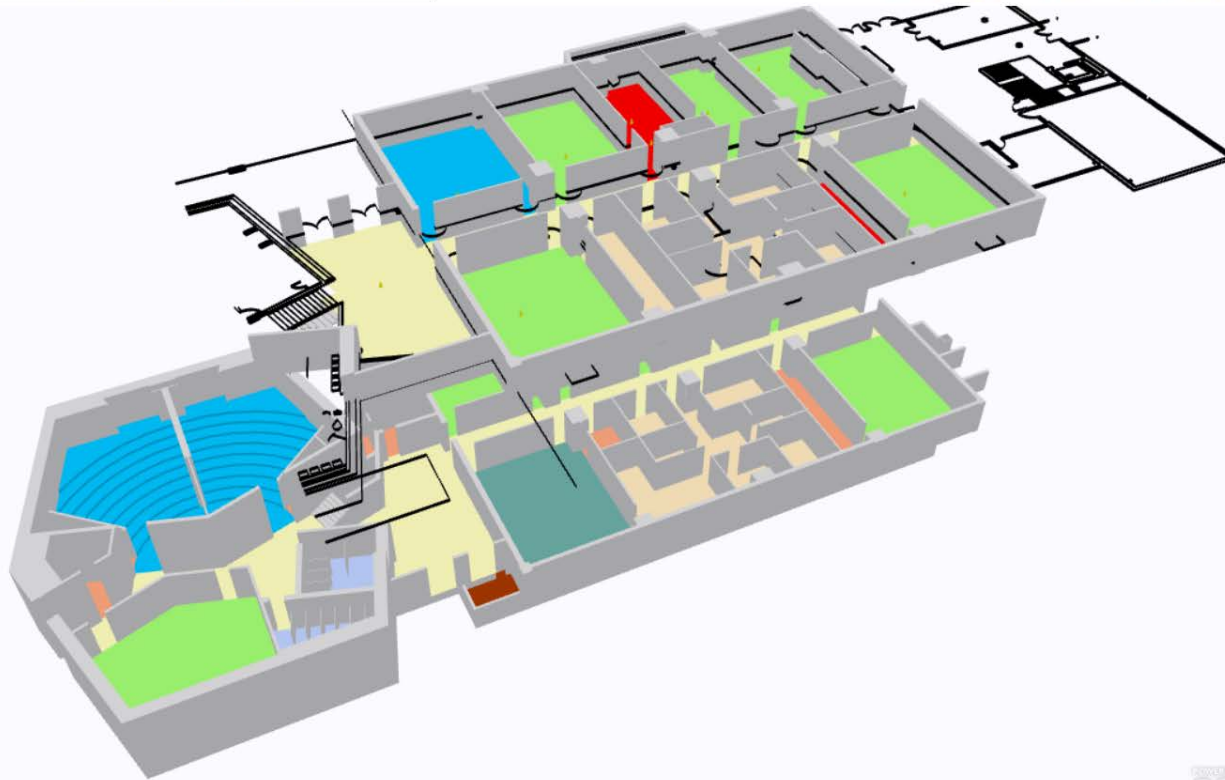
CLASS_LABB_Buildings_Gen0Shape1

Attributes

BLDG_NAME	LABB Building
BuildingID	LABB
EXP_VIEW	arcg.is/1bcYlvr

LABB Building Exploded View

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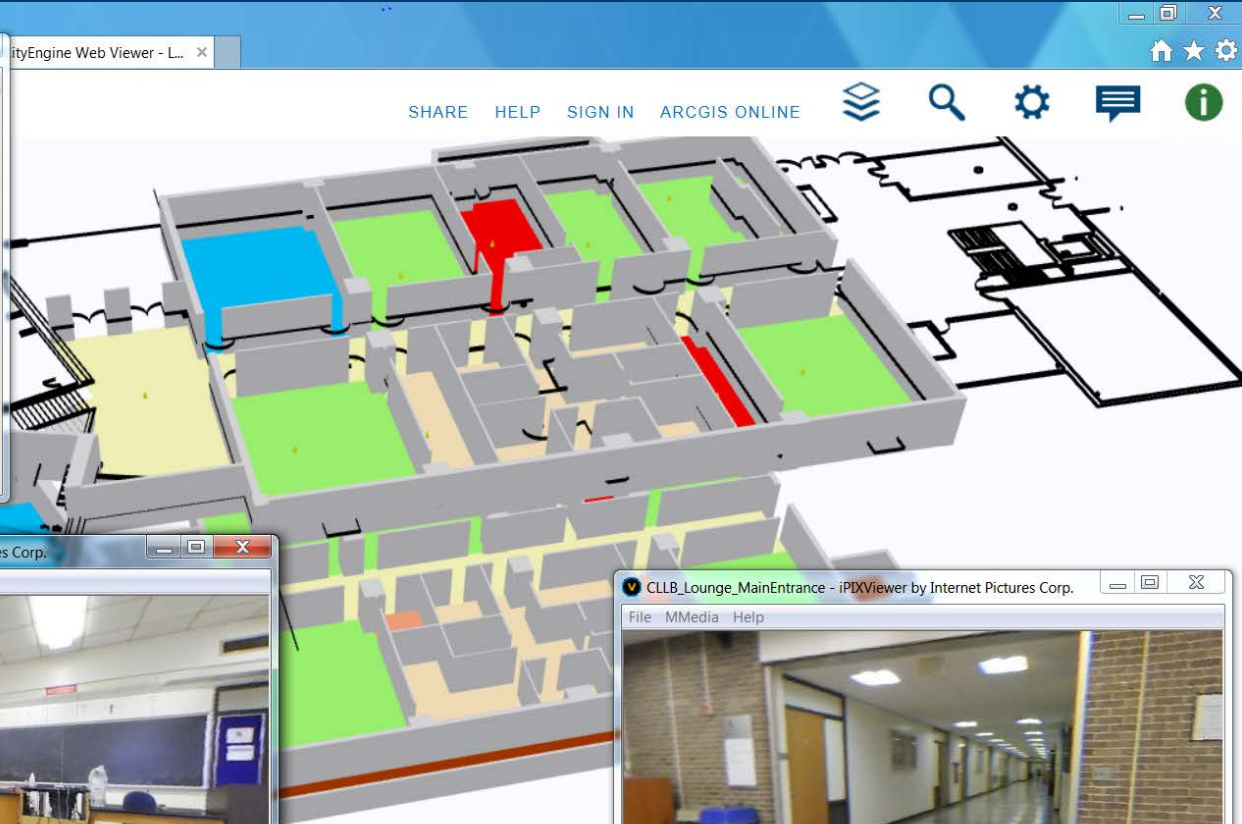
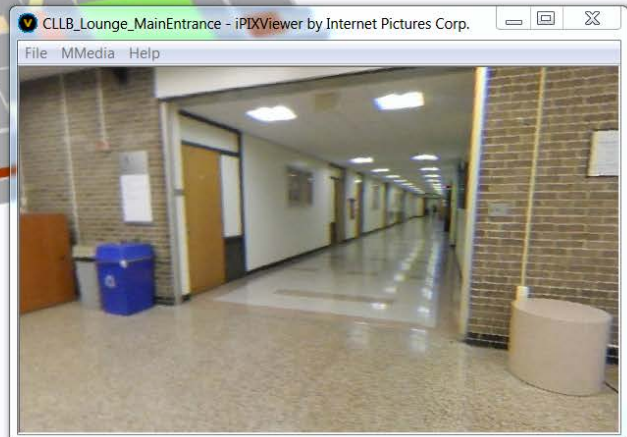
Information

LABB First Floor_Gen3Shape77

Attributes

Base Elevation	0
BuildingID	LABB
BuildingLa	C_BLDG_D
Extr_to	0.1
Old Building ID	D
Room_Purpose	Chemistry Laboratory
RoomID	D101
RoomName	Chemistry Laboratory
RoomType	3
SHAPE_Area	1072.54
SHAPE_Length	134.148





CCBC Interactive College Map Demonstration

