AS318103 Drone Matching – Aligning your 3D Concept Over an Existing Site

Presenter:

Christopher Lyner

Practice & Innovation Leader

Experience Design Team - VLK Architects





About the speaker

Christopher Lyner – VLK Architects

Having worked in the Architectural Visualization industry for the past 14 years, I bring professional experience to architectural and engineering projects, large or small. I have worked on projects all over the globe from entire cities to mega sports and entertainment complexes, to world class hospitals, hotels, museums, government facilities, auto malls, highend residential, and educational facilities. I have worked with large firms, small firms, and everything in between. I work for VLK Architects as an Experience Designer promoting our services to clients through the use of 3d renderings, animations, and video. Some of the projects I have worked on that have won notable awards and recognition are: Hail Edutainment District, Sidra, Bahrain Medical Center, Dammam Hospital, Doha Ports, Mayo Clinic, Regions Hospital, Children's Hospital, U.S. Bank Stadium, TDECU Stadium,

Vaught-Hemingway Stadium, Cyber-Ops Center, Exxon Mobil HQ,

Capitol Tower, Hard Rock Hotel, Fifth & West Tower,

Condit Elementary, Energy Institute, Dan Dipert CTE.







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"THE IMPACT OF LEARNING ENVIRONMENTS ON STUDENT ENGAGEMENT"



BUILDING DESIGN + CONSTRUCTION "GIANTS 300 REPORT"







MISSION

VLK Experience Design's purpose is to tell the unique stories of our clients while pushing the boundaries of technology and innovation.



Drone Matching – Aligning your 3D Concept

Getting your client to understand the intent of your design is one of the most difficult obstacles in the architecture business. So how do we creatively show architectural designs in a way that the client can understand? One of the best ways is to show that design pre-conceptually over the proposed site it will live on. In this class, you'll learn how to set up a drone and how to best control it for applying 3D compositing. We'll cover the basics

(as well as some tricks) to get the best possible drone match animation, covering pre-production to post-production and everything in between.





PRE-PRODUCTION:

DISCOVER BASIC DRONE
SETUP AND FLIGHT
CONTROL FOR GETTING
THE BEST FOOTAGE.
EXPORTING SHOTS FOR
CAMERA MATCHING



OBJECTIVE 2

PRODUCTION:

DISCOVER BASIC IMPORT
TECHNIQUES WITHIN
SYNTHEYES TO CALCULATE
THE BEST POINT DATA



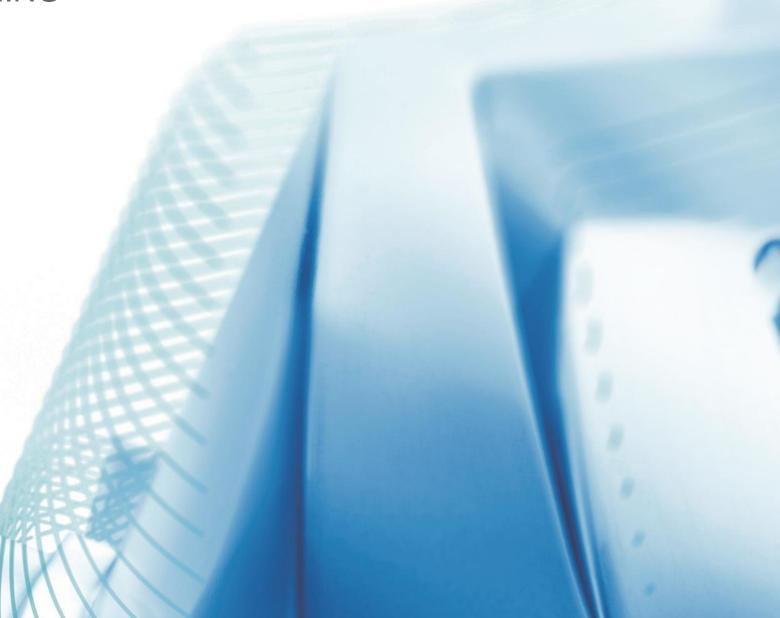
OBJECTIVE 3

PRODUCTION:

IMPORTING THE POINT
DATA FROM SYNTHEYES
TO 3DS MAX AND ALIGNING
THE DATA TO YOUR 3D
MODEL



OBJECTIVE 4





OBJECTIVE 1

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PRODUCTION:

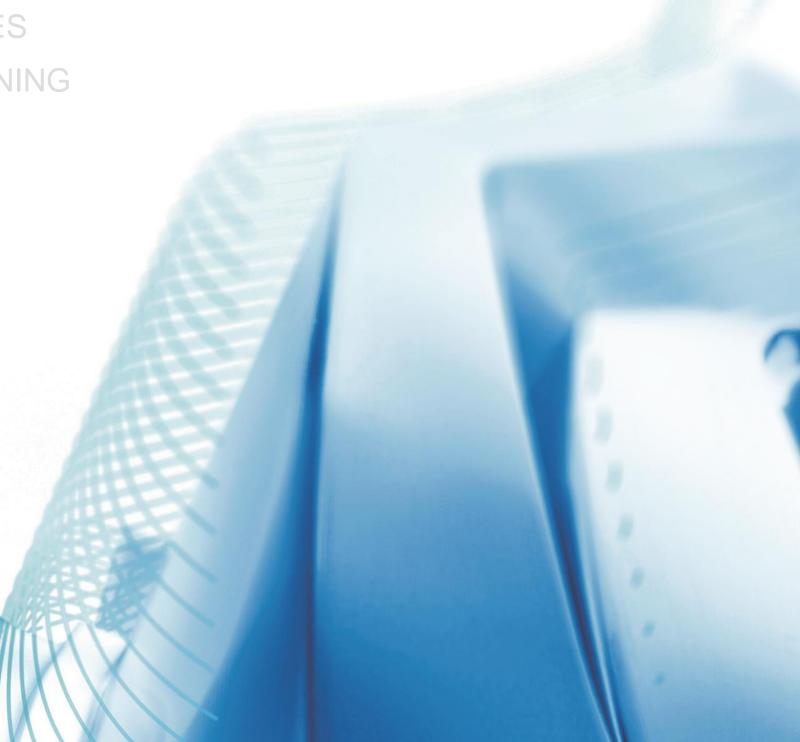
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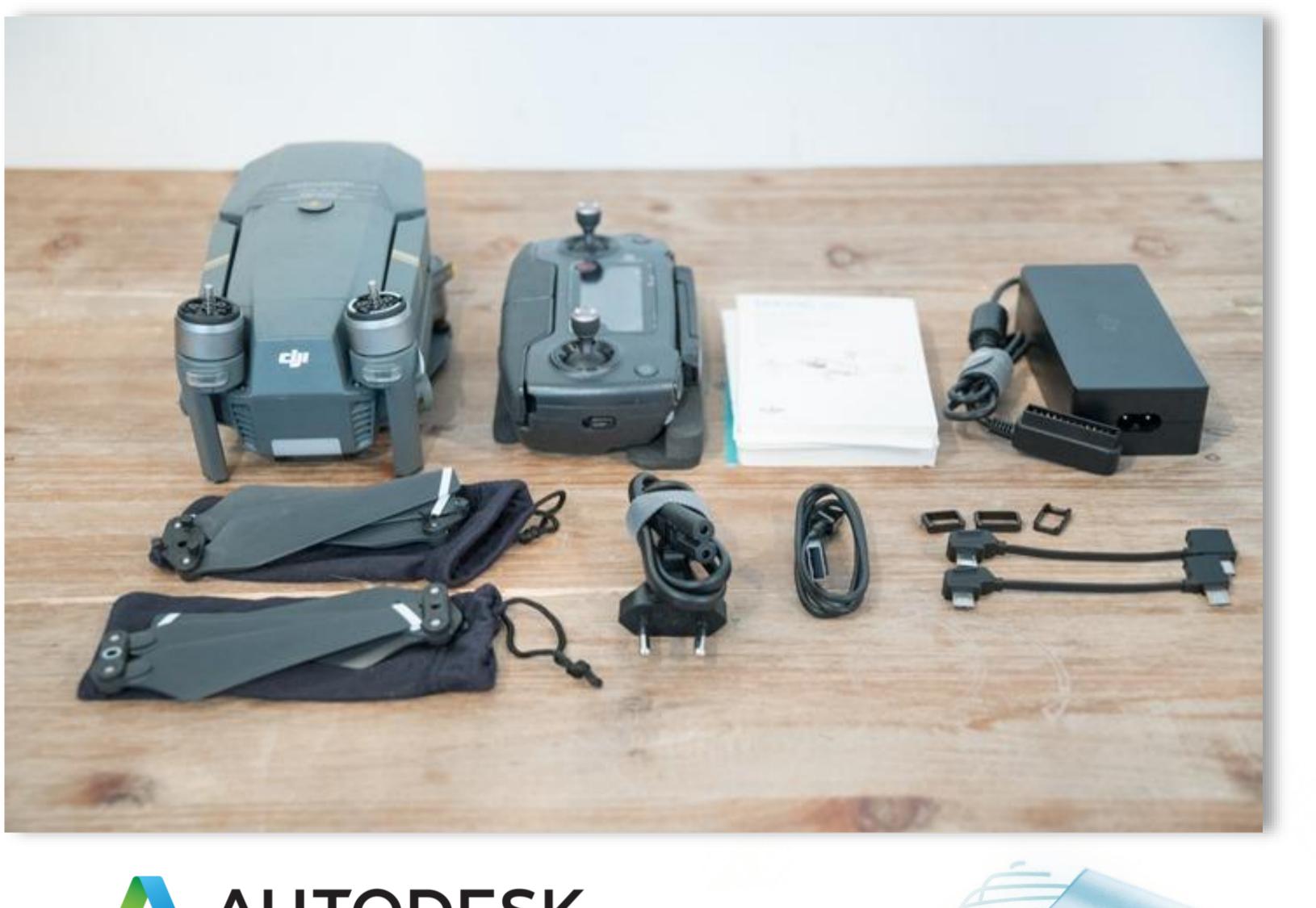
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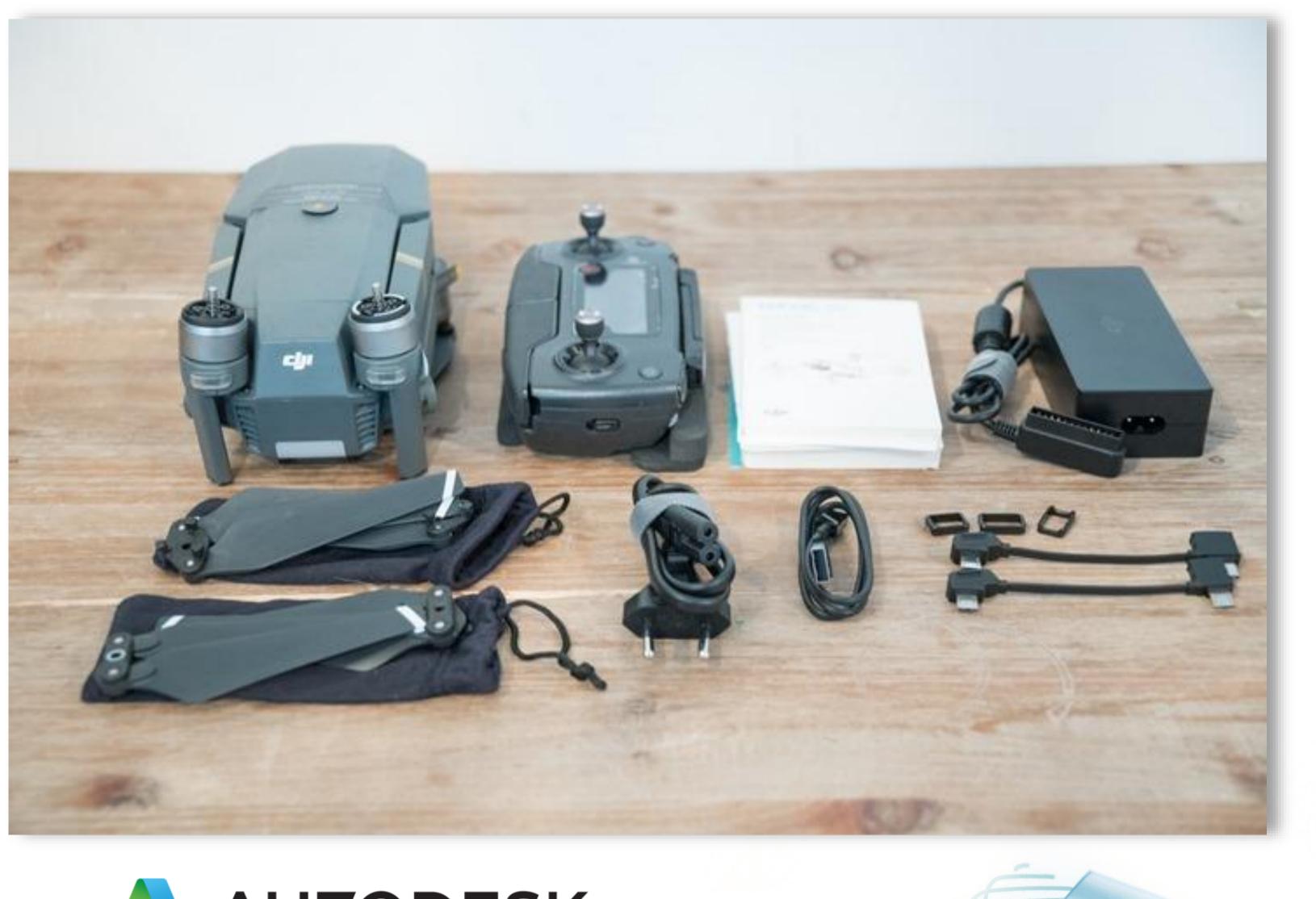
OBJECTIVE 4





Now what???





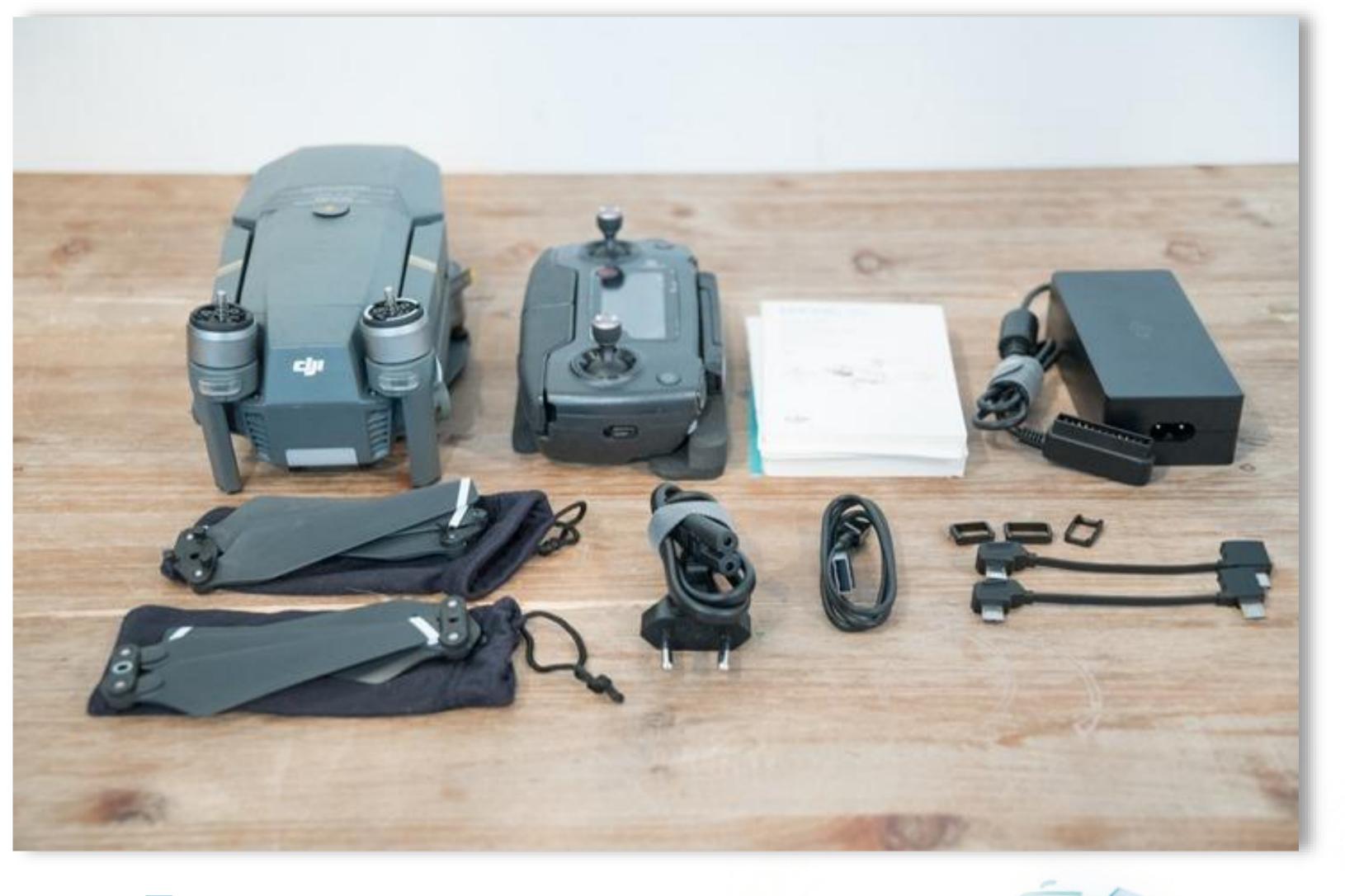
- Now what???
- Shooting method





- Now what???
- Shooting method
- Frame size





- Now what???
- Shooting method
- Frame size
- Frame rate





- Now what???
- Shooting method
- Frame size
- Frame rate
- YouTube





- Now what???
- Shooting method
- Frame size
- Frame rate
- YouTube
- Let's Connect!

clyner@vlkarchitects.com





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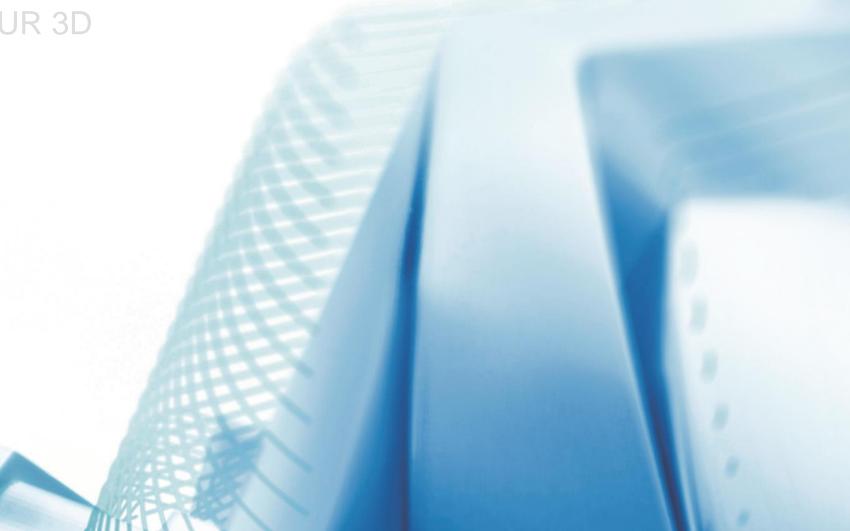
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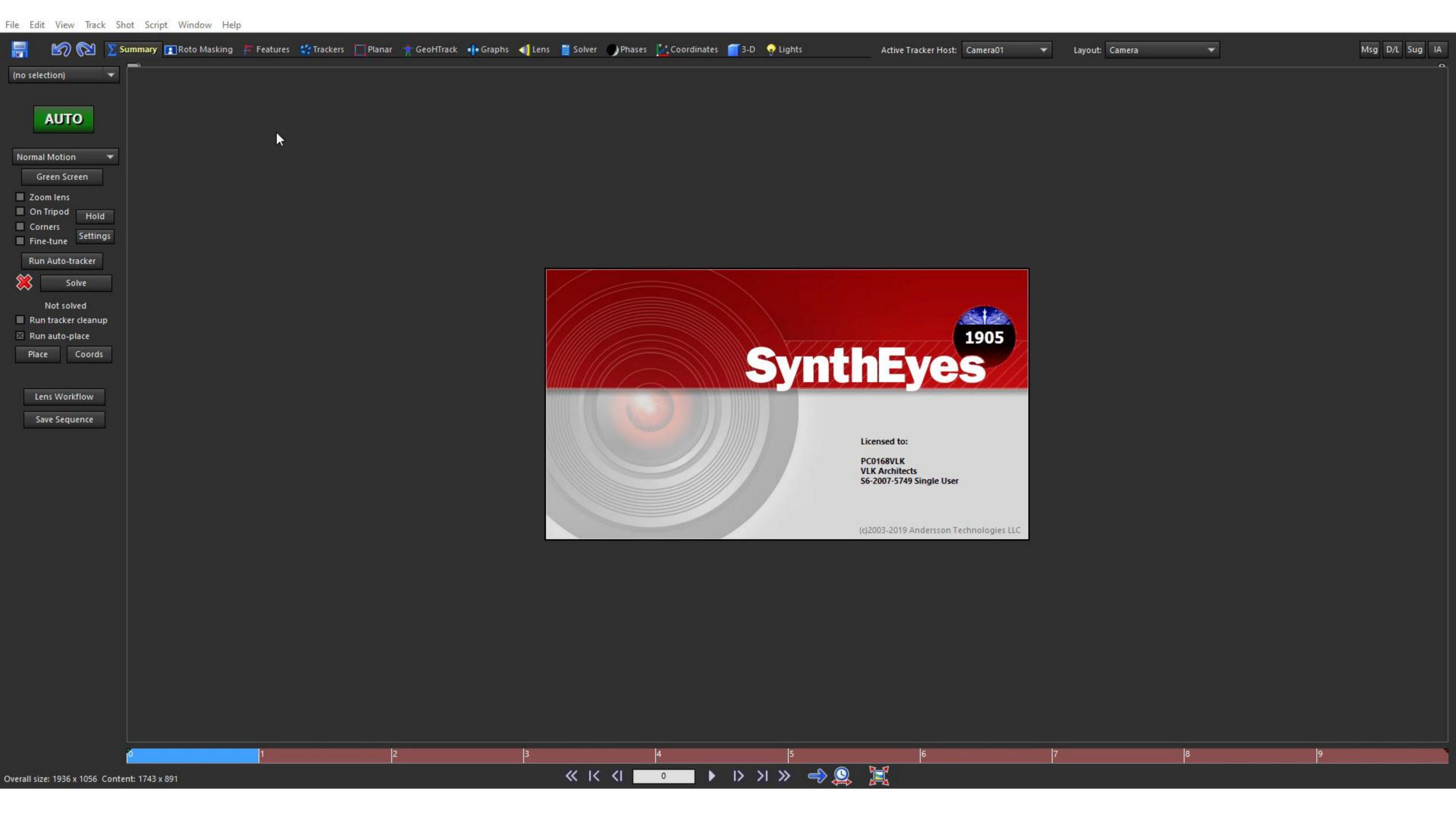
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Y: 158.3 U: -0.754 V: -0.707 Sel: (none)

X: 235.9

Y: 178.919 Z: 0.000

X: 146.490

Sel: (none)

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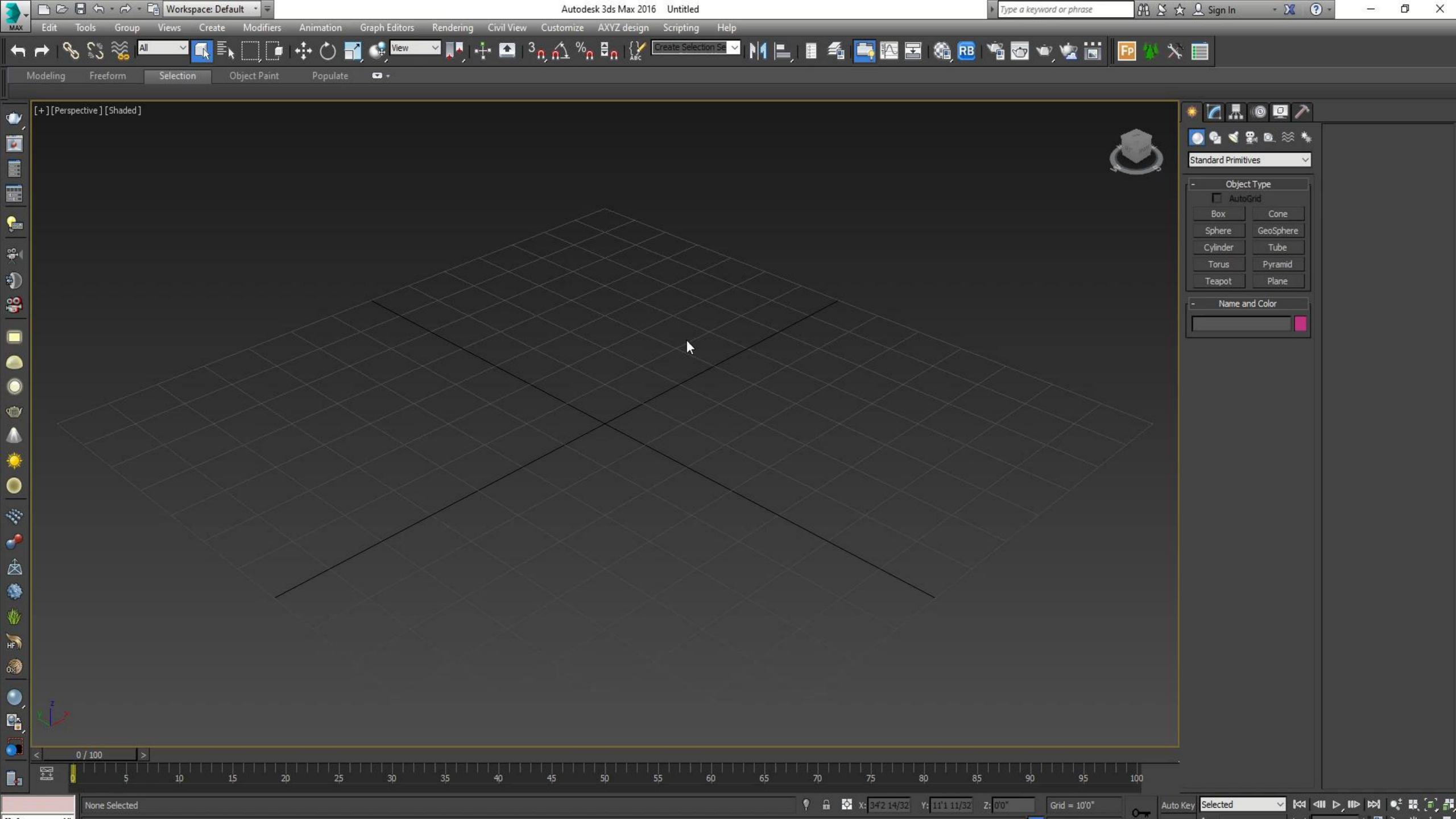
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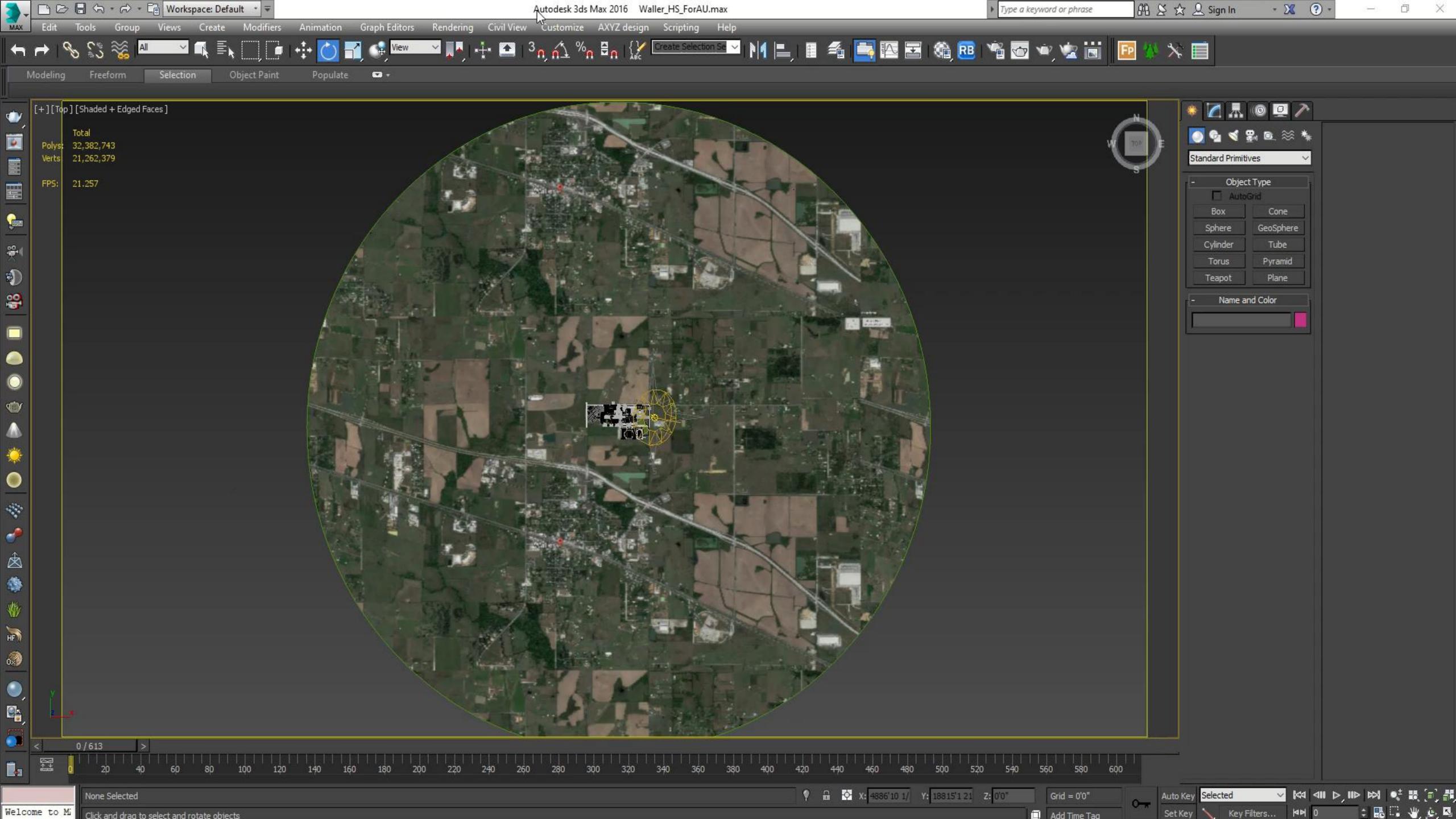
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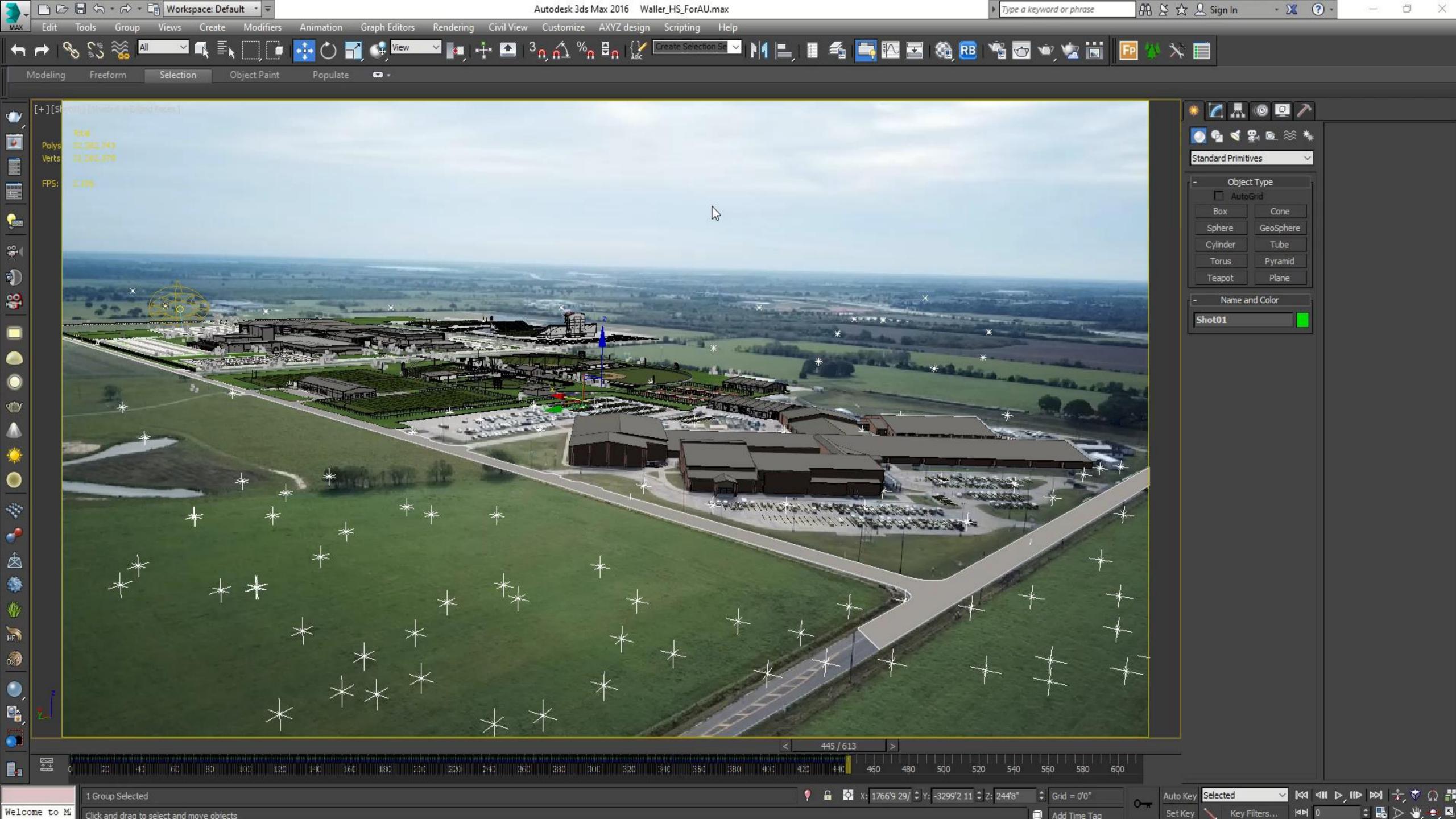
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OBJECTIVE 4









Ae OBJECTIVE 4

POST-PRODUCTION:

UNDERSTANDING HOW TO
COMPOSITE THE RENDER
DATA WITH THE CAPTURED
FOOTAGE

OBJECTIVE 2

PRODUCTION:

DISCOVER BASIC IMPORT
TECHNIQUES WITHIN
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OBJECTIVE 1

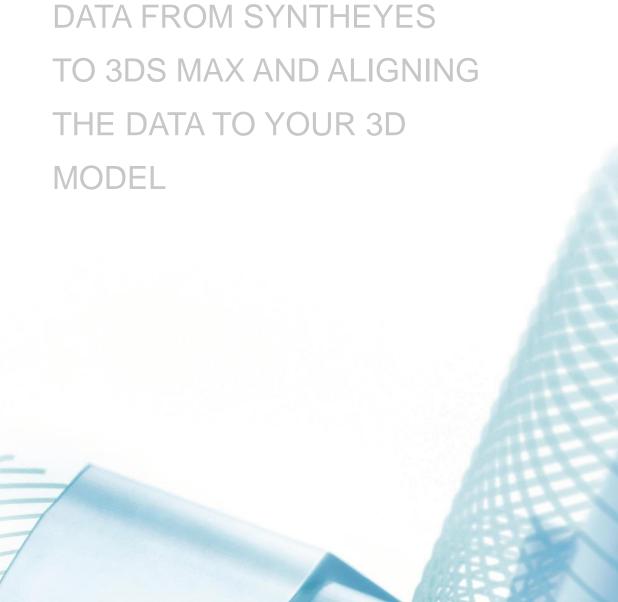
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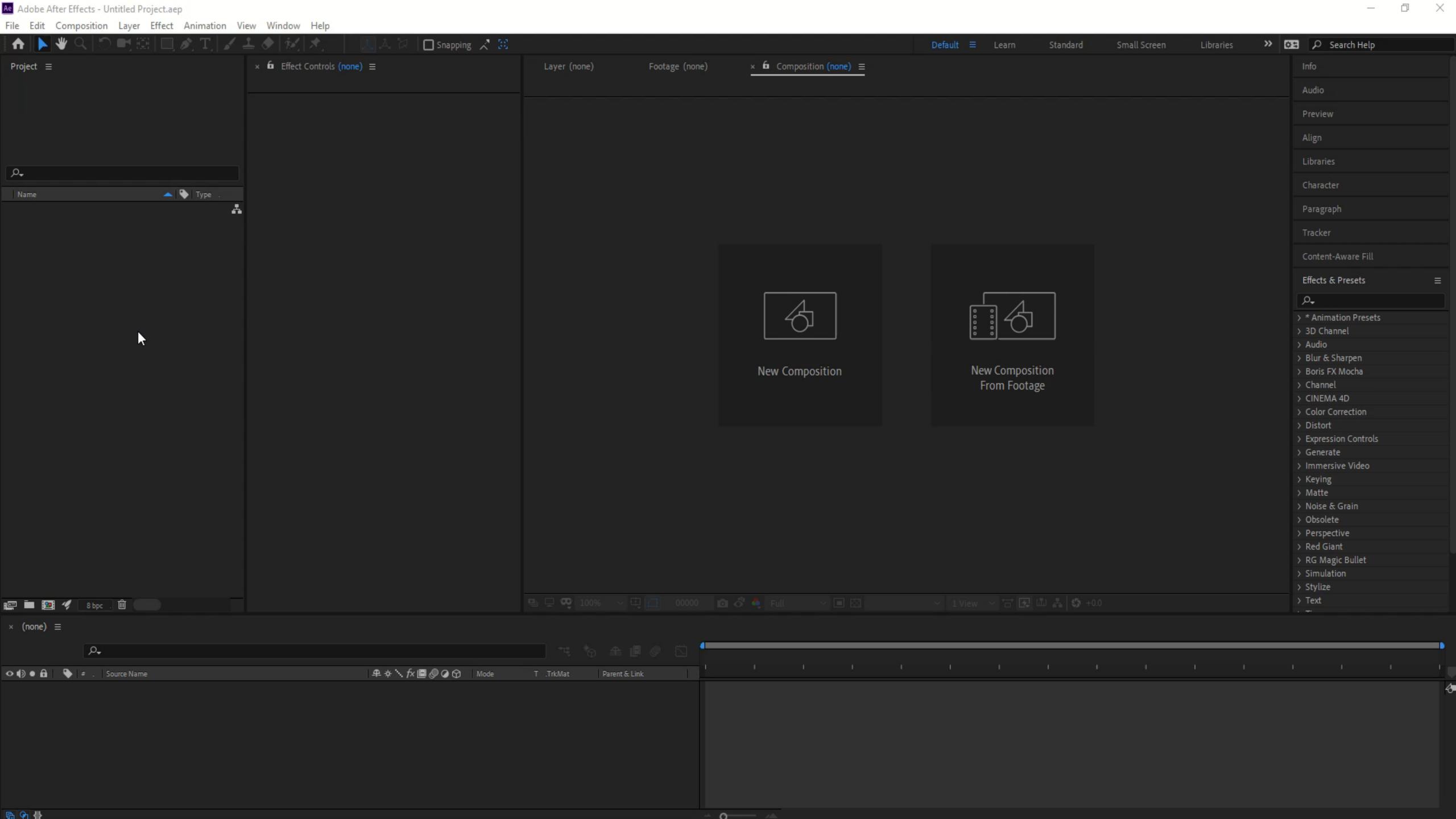
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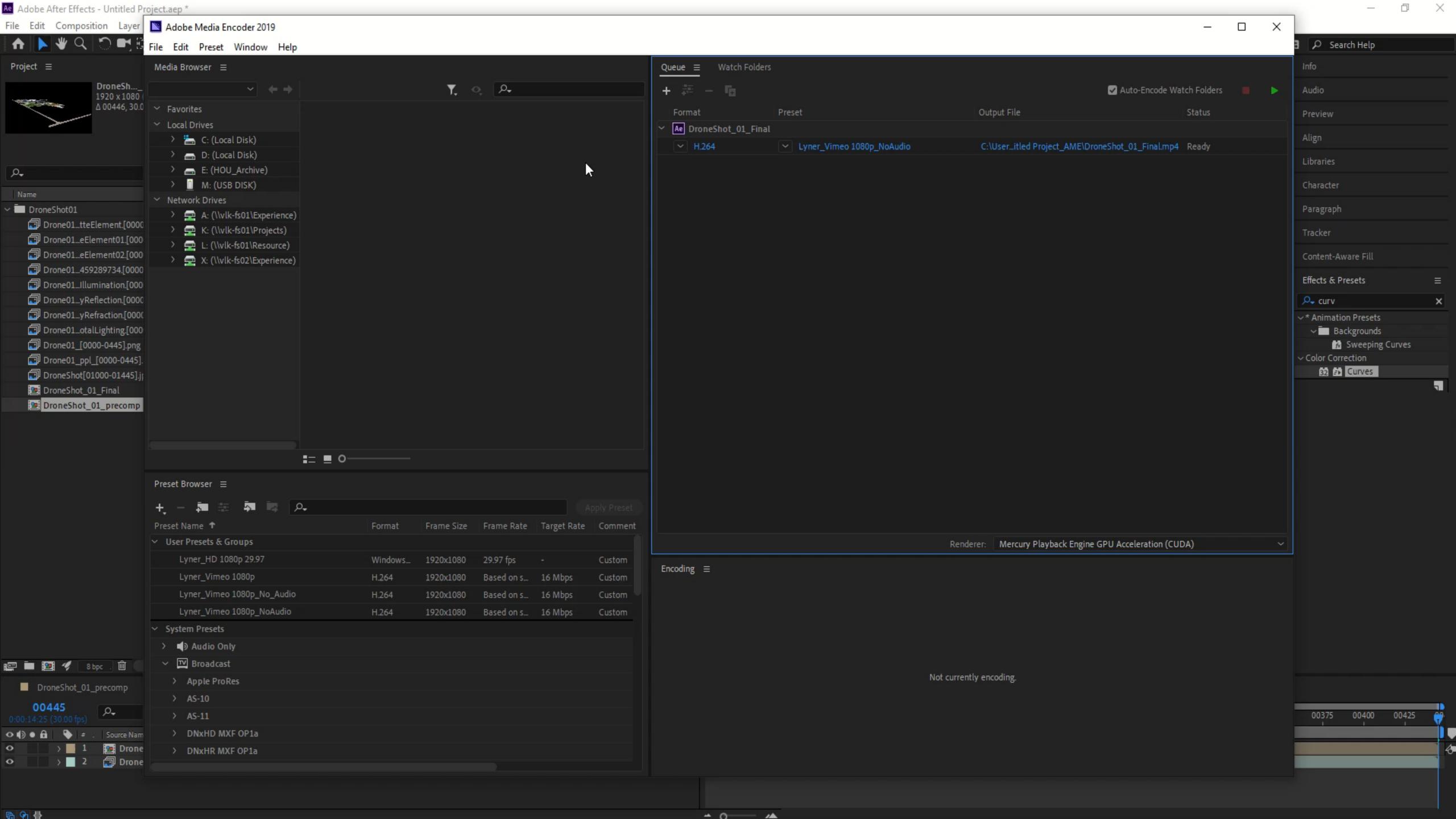
OBJECTIVE 3

IMPORTING THE POINT

PRODUCTION:











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