

Liquid Galaxy VisionPort

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IMPA



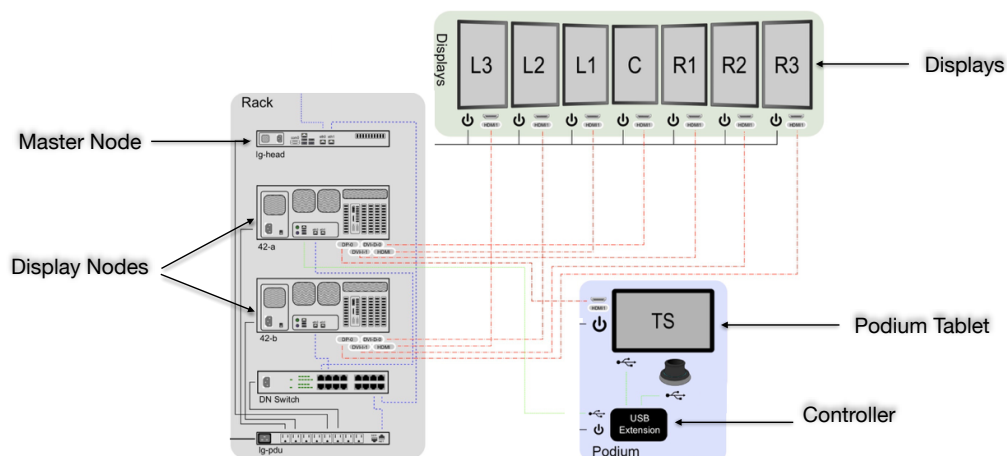
Overview

- Multi-Display Platform for Data Visualization
- Immersive Panoramic Environment
- GIS Earth, Videos, Photos, 2D/3D Graphics
- Interactive Tours

✳ Originally Developed by *Google* / Extended by *Endpoint*

System

- Hardware Components



Presentation Components

- Displays
 - 7 Screens



Wide FoV
Visualization

- PodiumTablet
 - 22" TouchScreen



Interaction

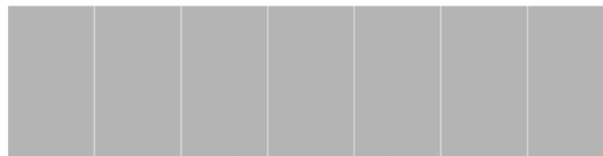
- Controller
 - 3D Space Navigator



Navigation

View Areas

- Screens
 - Content

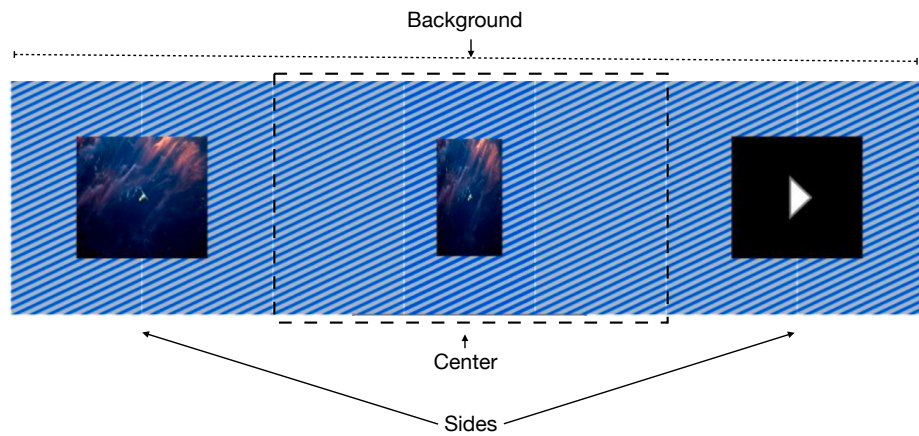


- Touch Screen
 - Interaction



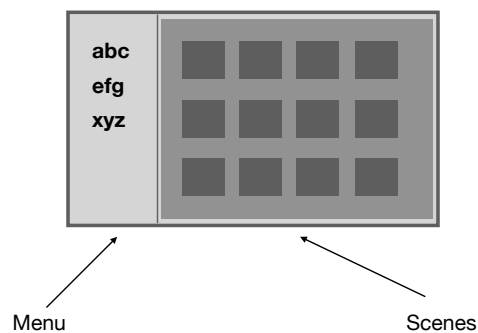
Screens

- Viewport Areas



Touch Screen

- Layout



Example



Interactivity

- Non-Interactive
 - Passive
- Interactive Visualization
 - Navigation
(*change point of view*)
- Interactive Narrative
 - Agency
(*change flow of story*)

Functionality

- Looping / Linear
- Non-Interactive / Linear
 - Scenes + Timeline
- Interactive / Non-Linear
 - Touch Screen —————→ *Agency*
 - Menu
 - Scene
 - Controller —————→ *Navigation*

Presentation Group

Name *

Adding a presentation group

Description

This is a presentation group I've added

☒ Active

☐ Attract loop

Content

- Panoramic
 - Earth / Street View / Panoramas
 - 3D
 - SketchFab / Unity
-
- Graphics
 - Images / Video / Web Pages

Panoramic

✱ Background (360 Degrees)

- Navigation

- Interactive
- Tour

- Types

- Earth
- Street View
- (Video) Panorama



3D

✱ Background

- Sketchfab

- Object Manipulation

- Unity

- Fly Through Navigation



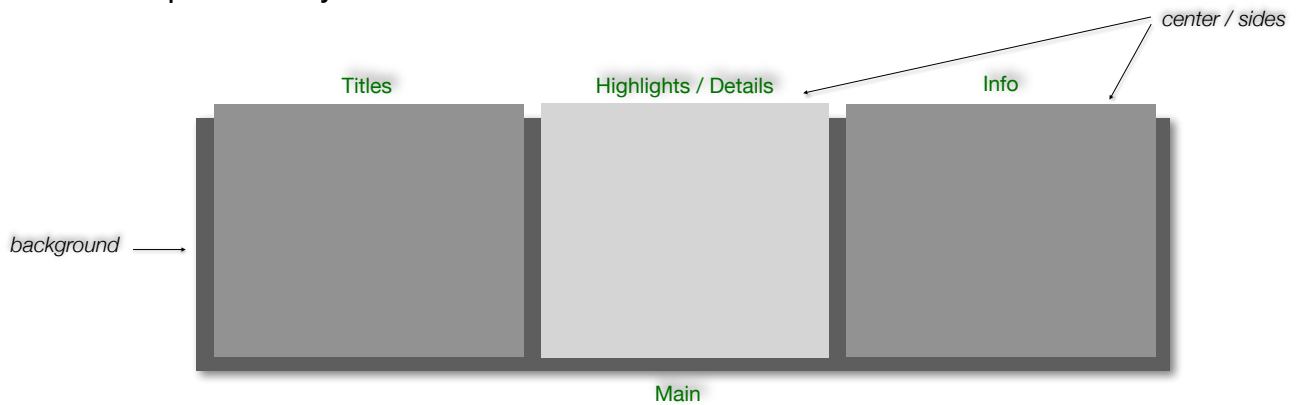
Graphics / Media

- Webpage
- Image
- Video
- * Audio

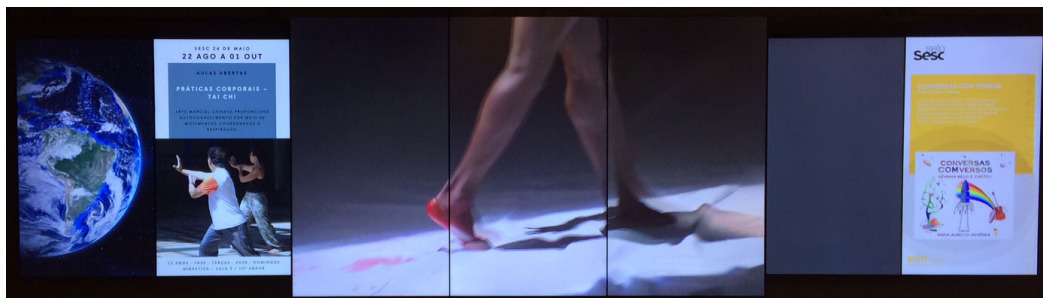


Layers

- Complementary Contents



Example 1

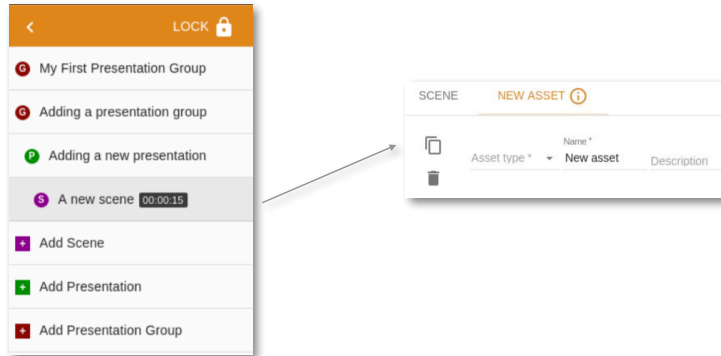


Example 2



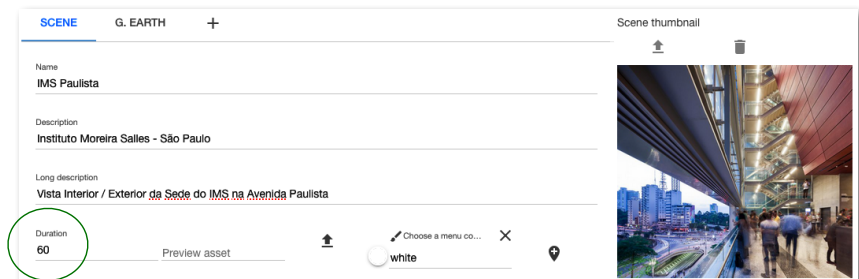
Structure

- Group
 - Presentation
 - Scene
 - Asset



Narrative

- Interactive
 - Scene Duration = 0
- Non-Interactive
 - Scene Duration ≠ 0
- Mixed



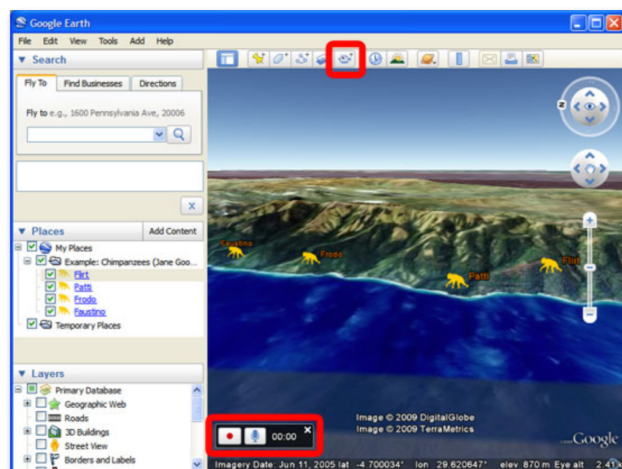
Asset Authoring

Media Specific Narrative

- KML
- Panotour
- Unity
- Sketchfab

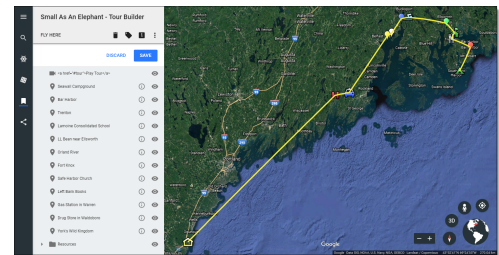
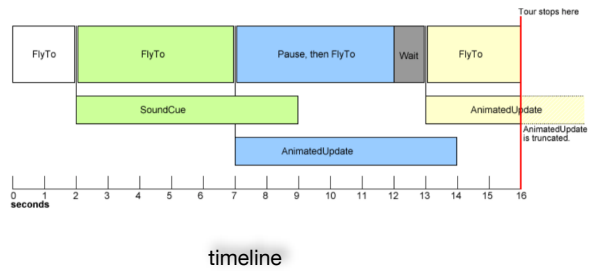
KML

- Google Earth



Geographic Tour

- KML Tour Builder



places

map

Panorama

- PanoTour



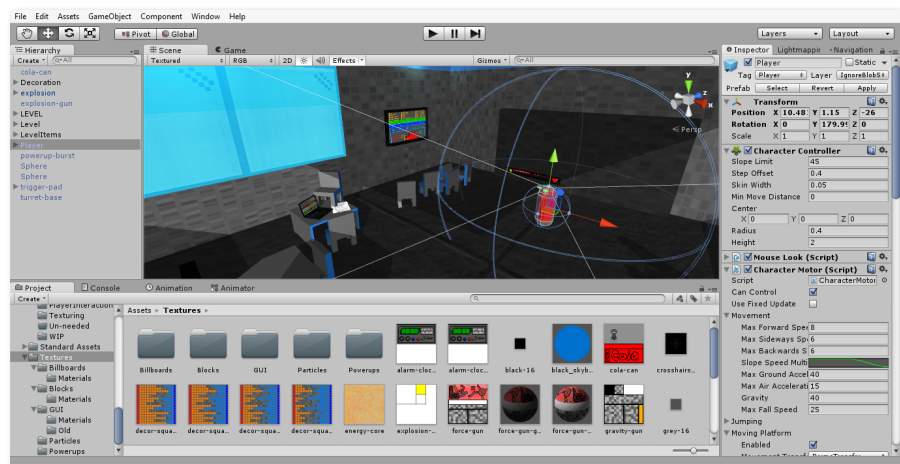
Virtual Panoramic Tour

- Hyperlinks



Unity

- 3D Scenes



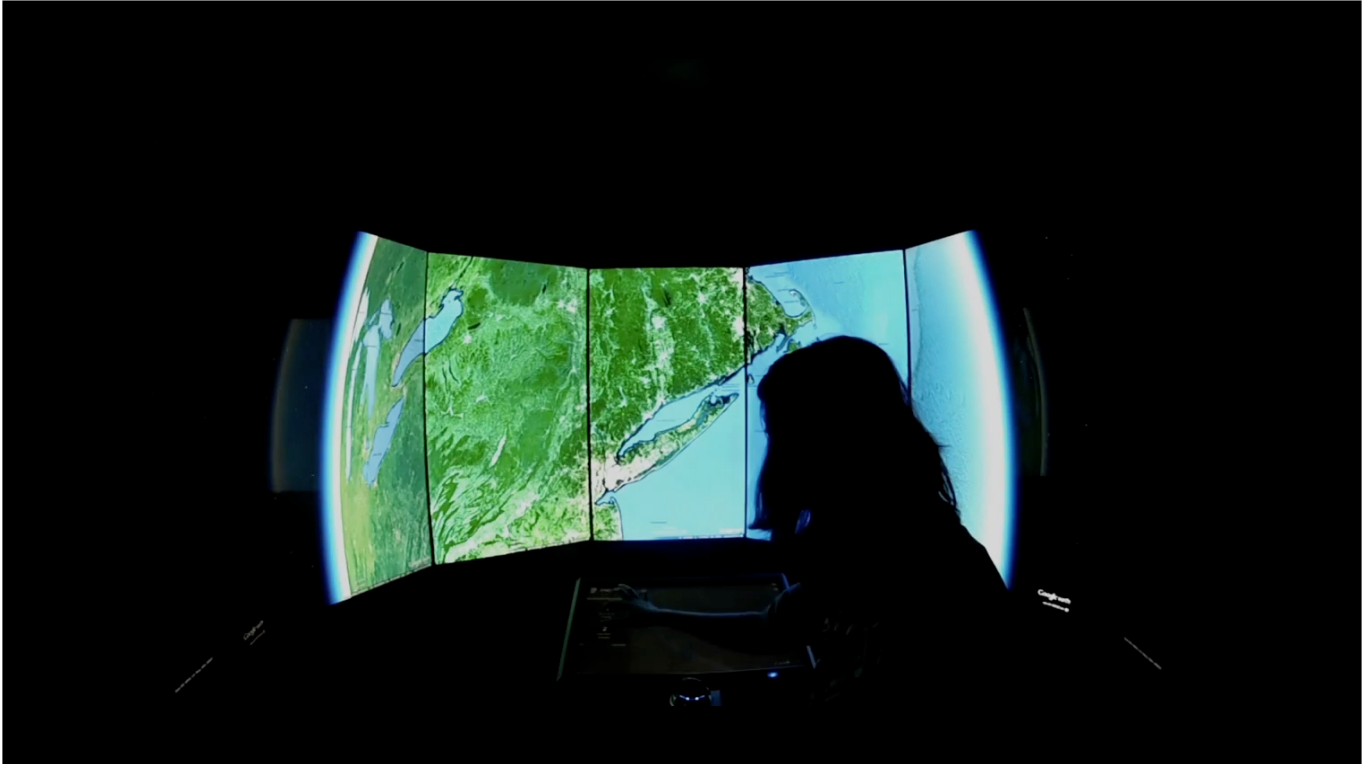
Sketchfab

- 3D Objects



Endpoint





Endpoint Dev

- Current Platform

