

PROJECTION MAPPING

APPLICATION NOTES

Creating stunning visual experiences for visitor attractions and public spaces, should be creative, not complex.

Hippotizer's 3D Mapping toolset combines immersive visuals with easy 3D Mapping techniques to create the most immersive environments.

PROJECT BRIEF:

The customer wants to create an interactive, scale model of a cityscape. Using projectors, the cityscape will display video and still images to tell a story.

- Provide a solution that playback very large resolution content.
- Provide pre-visualisation for content team and designer to test content
- Synchronize playback across multiple systems and output
- Low maintenance and down-time.
- Automatically re-align the projectors without a skilled technician

READ MORE ABOUT HMNS ENERGY CITY HERE

www.green-hippo.com/energy-city-houston-museum/



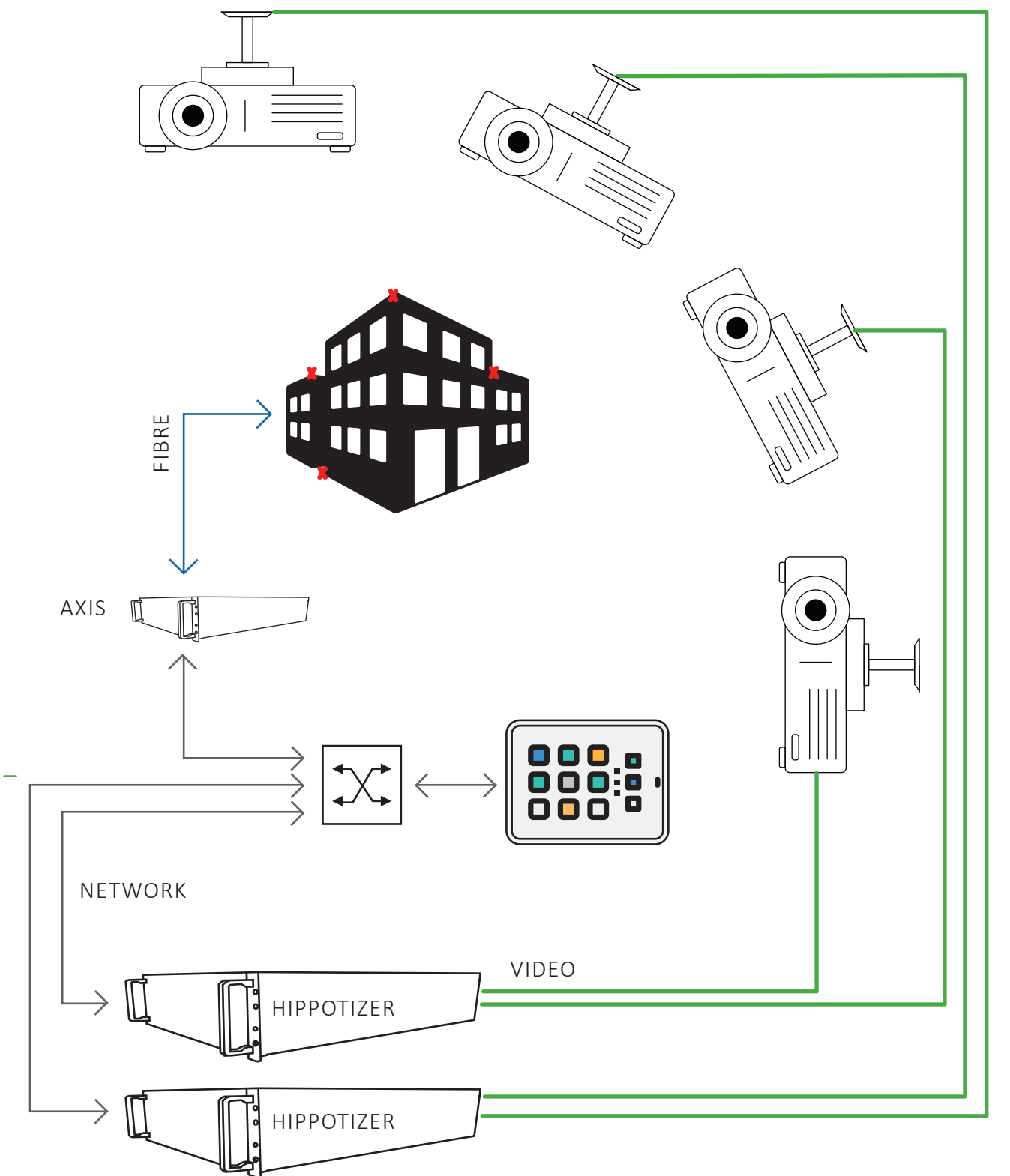
Energy City, Houston Museum;
Courtesy of Houston Museum of Natural Science

CASE STUDY: PROJECTION MAPPING THE SOLUTION

- Hippotizer PREP used for content creator to drive pre-visualisation
- Multiple Hippotizer systems running network synchronisation (output dependant)
- Green Hippo's AXIS Fibre Alignment System installed in the model or MPCDI for camera alignment
- Interface with existing control system (Crestron) for triggering and status feed-back.

KEY BENEFITS OF HIPPO TIZER:

- Integrated planning, Pre-Vizualization to delivery solution offering lower risk to the designer
- Auto-Alignment reduces ongoing cost and enables projection mapping in previously un-accessible locations such as High Buildings and Cruise Ships.
- Camera and Sensor based auto-alignment available – one system can handle many different types of projects.



	Axis – Sensor Based	MPCDI – Camera Based
Sensors installed on model	Yes. ~6 / Projector	No
Camera Required?	No	Yes. Must see entire surface
Auto Alignment?	Yes: Simple and Complex models	Simple surfaces and shapes only.
Accurate 3D Model Required?	Yes	No
Auto-Blending?	No	Yes
Color Correction	No	Yes
Time to align?	<20 Seconds / Projector	>1 Minute per projector
Ambient light tolerance	Projectors must be brighter than room	Darkness required
Visible Line-up pattern	Yes	Yes
Common Usage	Complex 3D Models eg. Cityscapes, Art	'Simple' Surfaces eg. Domes, Walls, Floors.

HAVE A PROJECTION MAPPING PROJECT?

Get in touch sales@green-hippo.com

www.green-hippo.com

