



30 JULY – 3 AUGUST *Los Angeles*
SIGGRAPH2017

360 Video Cameras in Production

Jonathan Starck
Head of Research, Foundry

FOUNDRY.

360 productions



Brand Advertising



Film/TV co-marketing



Story telling



Experiential



Journalism



Tourism



Documentary

📺 “Filming with no borders”



RADICAL PLANS

F.

Shot planning – staging is critical



Immersion



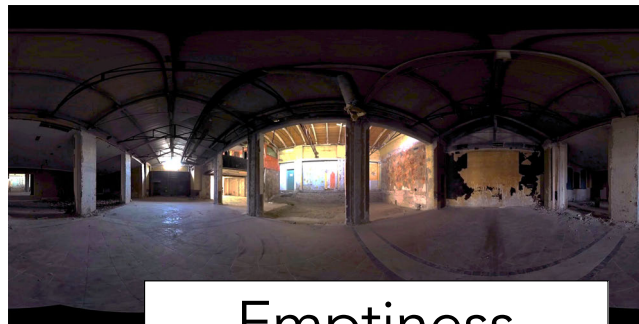
Shock



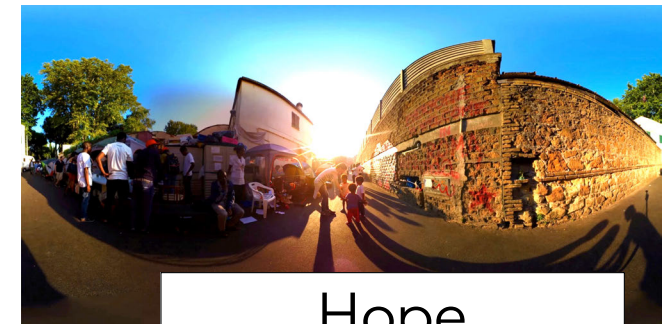
Support



Dismay



Emptiness

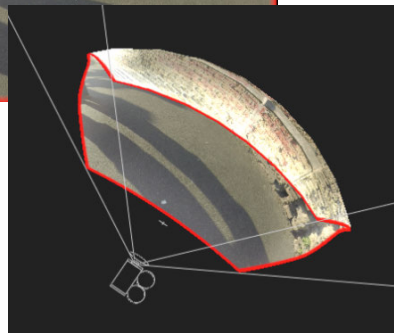
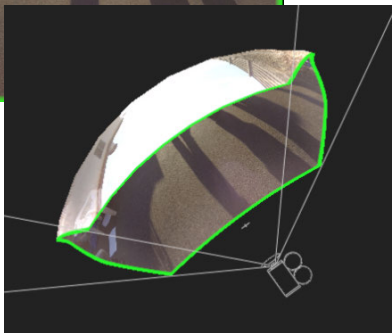
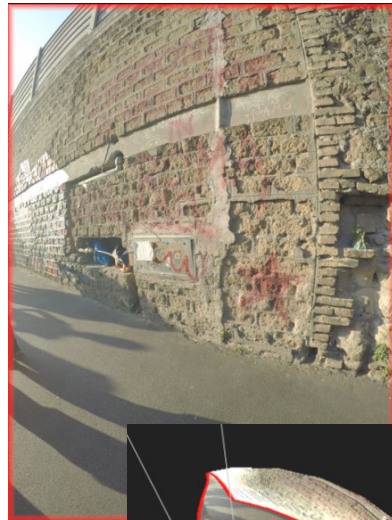
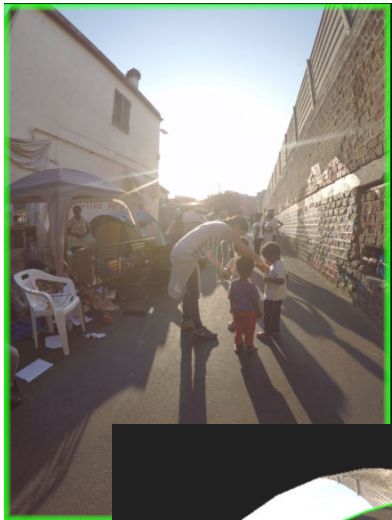


Hope

... but not always possible

F.

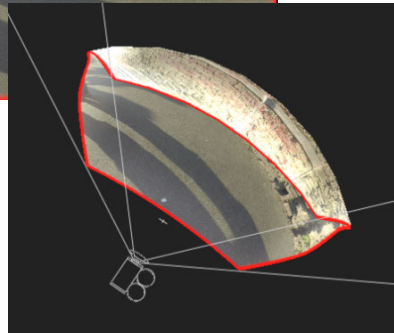
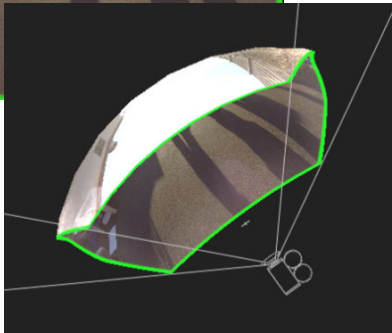
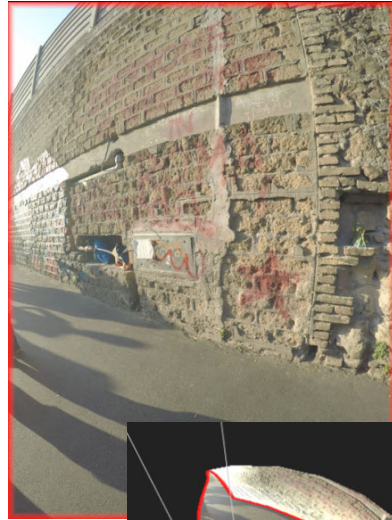
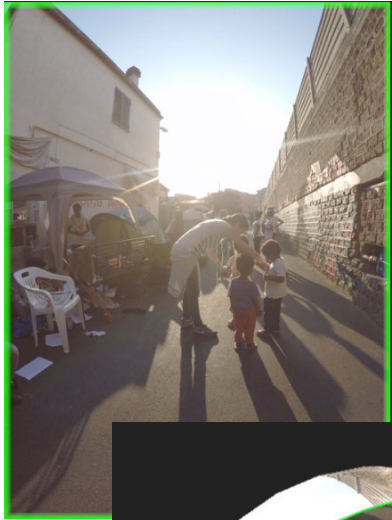
Shot planning – impact on image stitching



Converged at 10m

F.

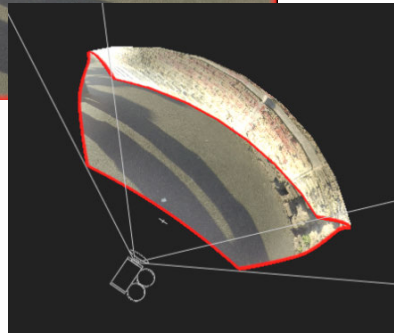
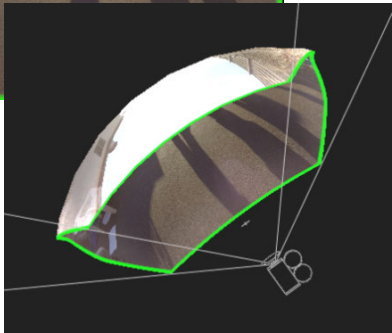
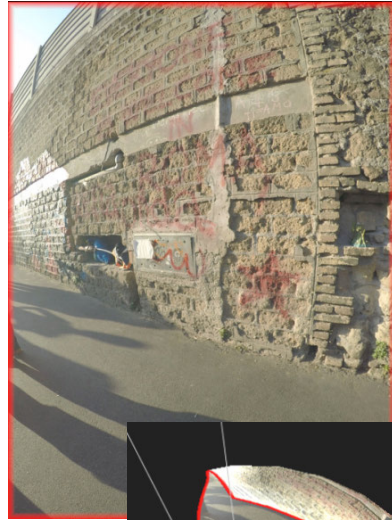
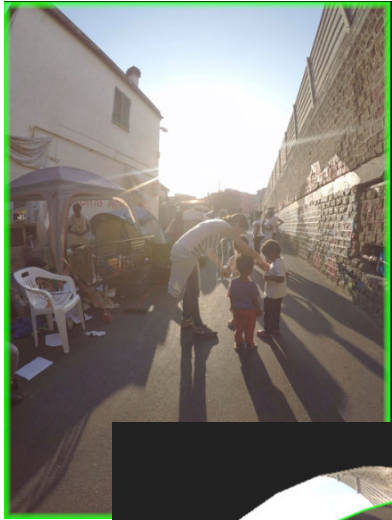
Shot planning – impact on image stitching



Converged at 2m

F.

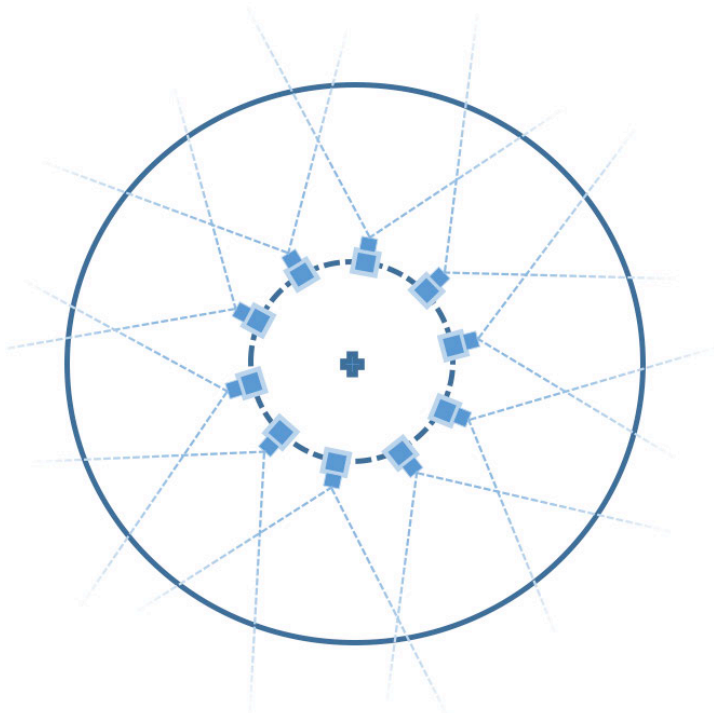
Shot planning – impact on image stitching



Converged at 1m

F.

Monoscopic cameras – design considerations

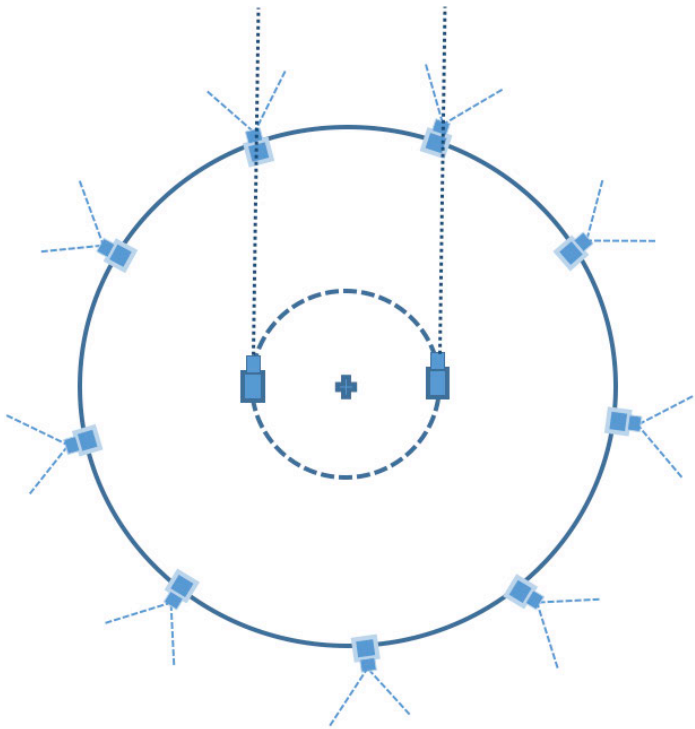


mono-stitch
removing parallax



F.

Stereoscopic cameras – design considerations



stereo-stitch
using parallax



YI HALO



JUMP



JAUNT



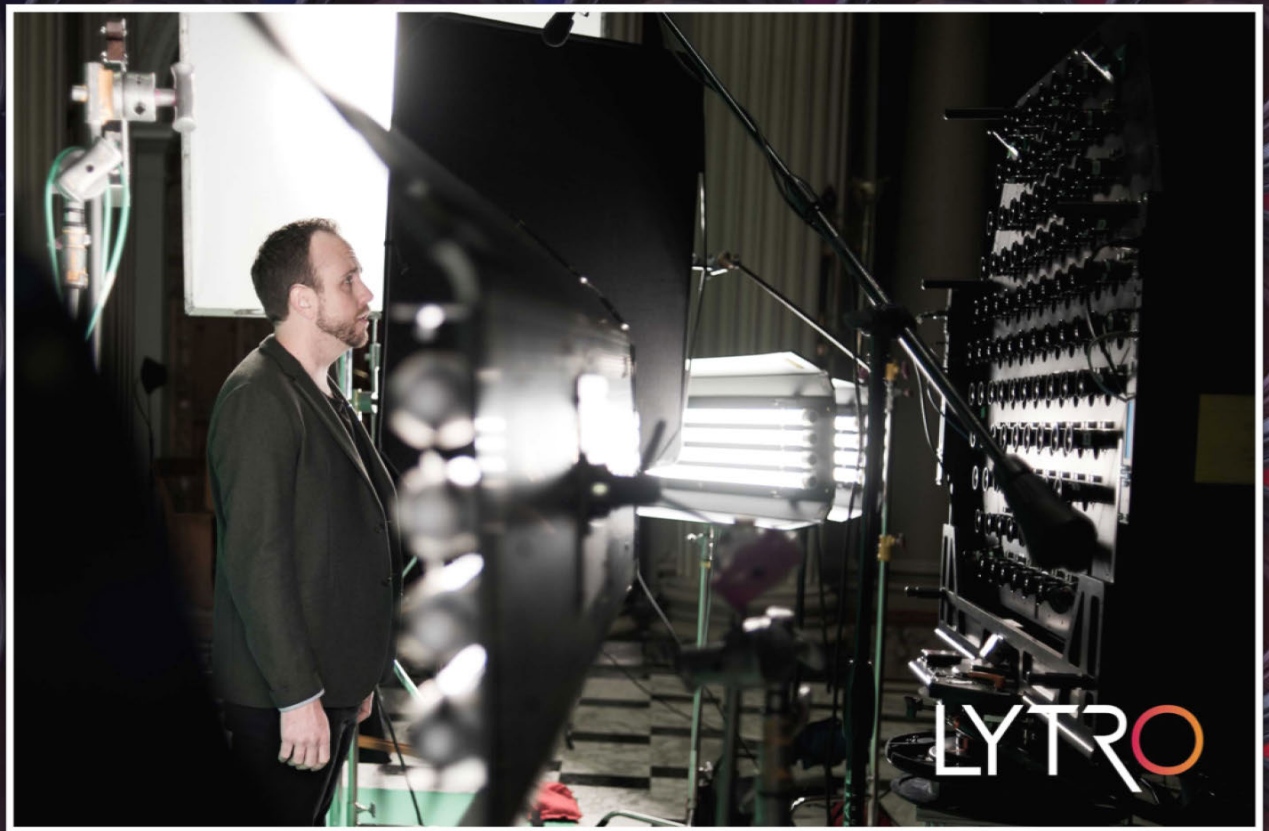
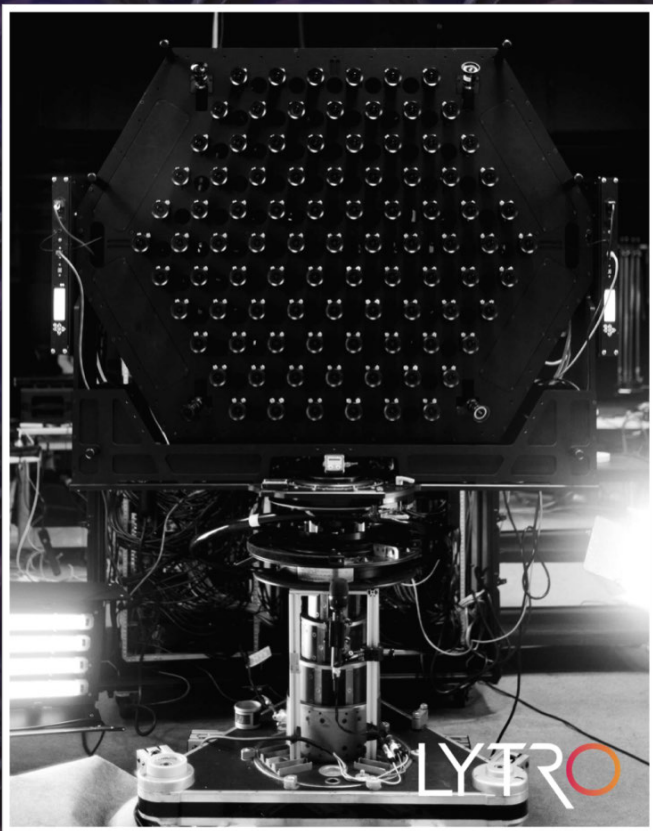
NOKIA



KINCH & THE
**DOUBLE
WORLD**

F.

Lytro Immerge



We covered

- 360 productions
- Staging in production
- Shot planning and stitching
- Monoscopic cameras
- Stereoscopic cameras
- Lightfields and volumetric capture

FOUNDRY.

imagination engineered