



UNIVERSITY OF
BATH

Mobile Broadcasting

Rob Hyde





About Us

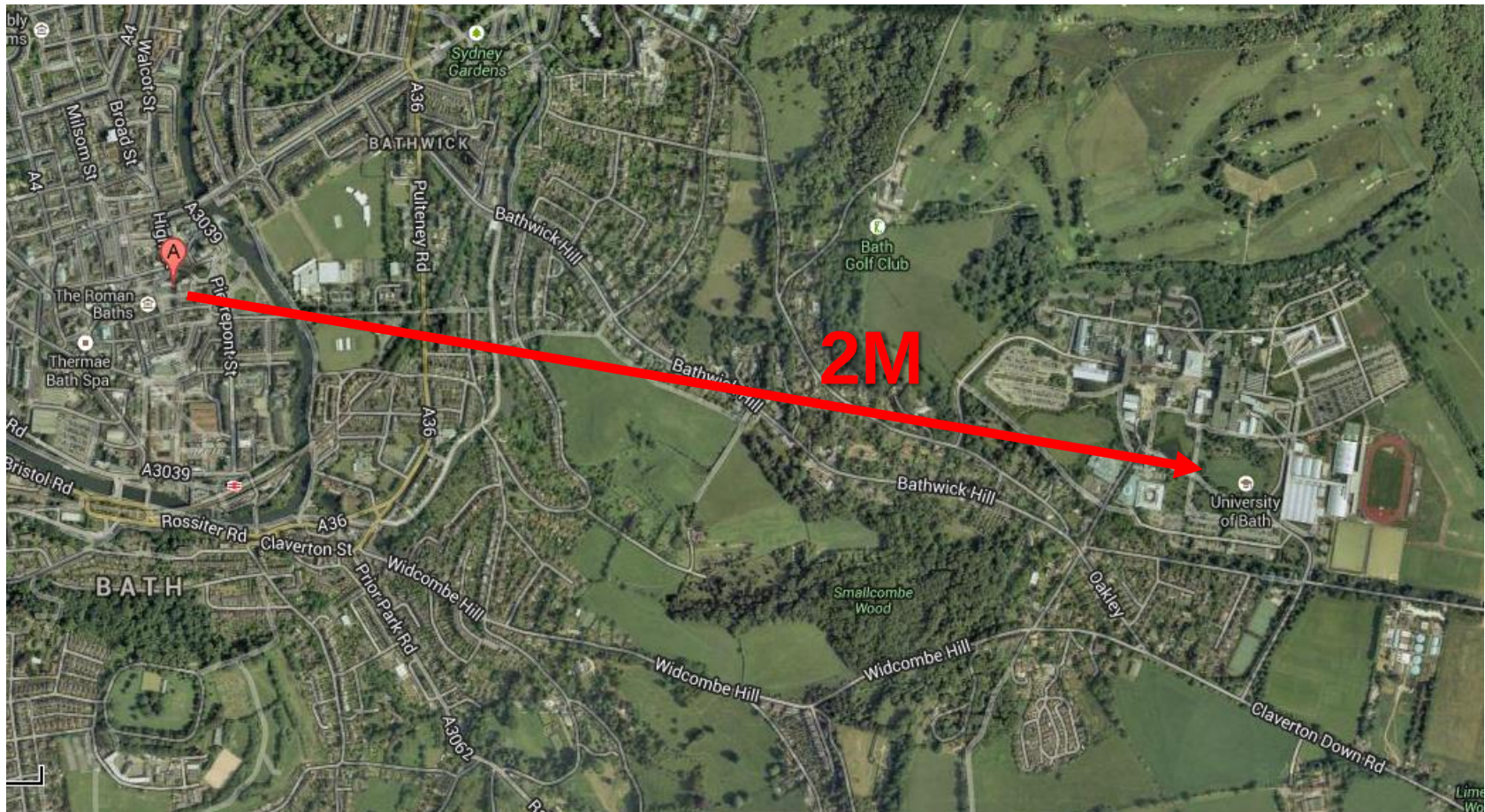


Challenge

Can we facilitate the university community's inclusion in the graduation ceremonies?

Graduations

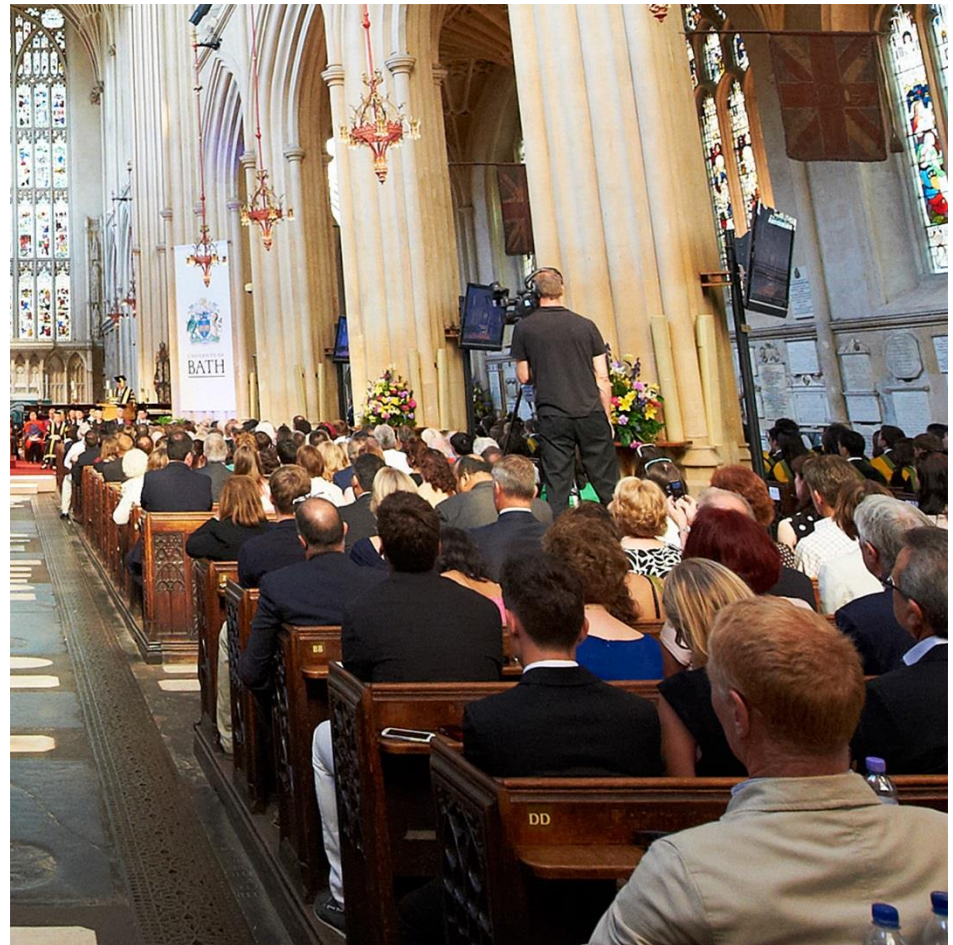




Streaming Services

- Panopto
- Software based
- Hardware Based

Graduation Setup



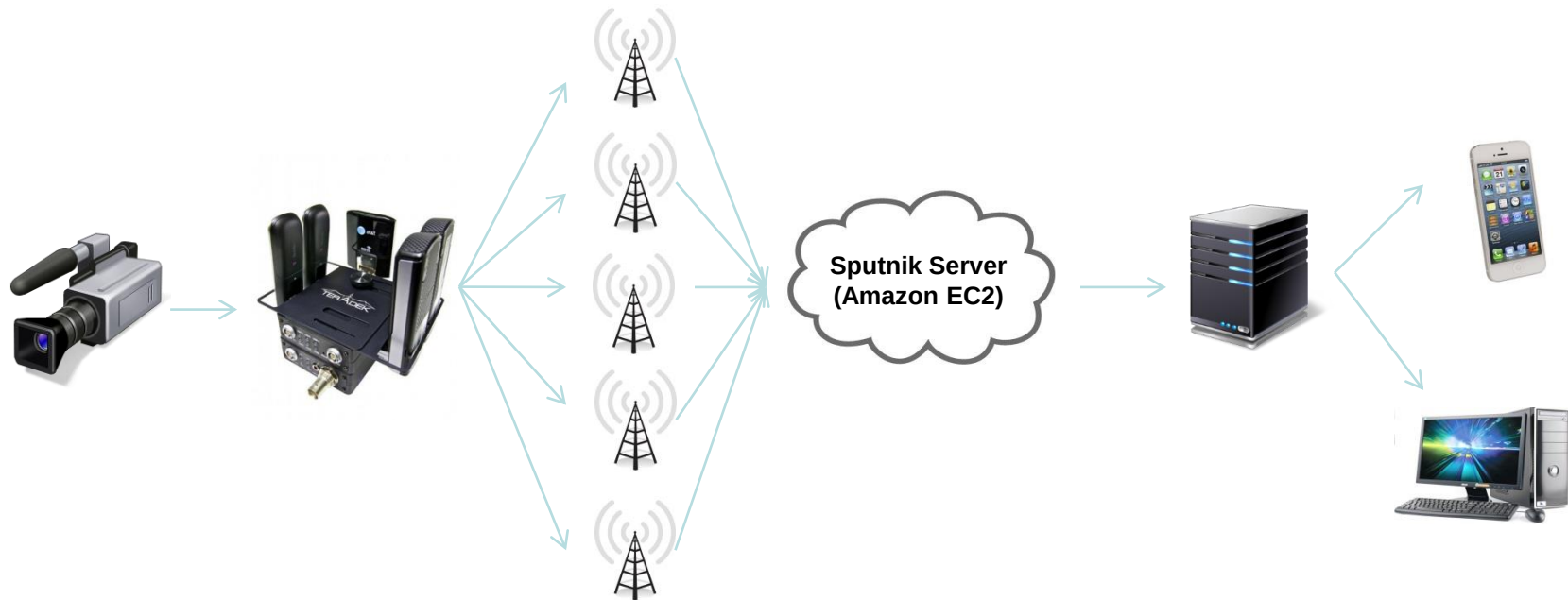
Options

- Use existing network
- Satellite link (truck)
- Fit new network link
- Microwave link
- Use mobile phone network

What We Chose



How it works



HD Video Feed
Over HD-SDI

Teradek
Cube/Bond
encodes to H264
and breaks video
up into multiple
streams

Stream sent via
multiple 3G networks

Cloud server
reassembles
packets

Streaming server (e.g.
Wowza/Livestream)

Viewers

Project

- Delivered – On Time On Budget
- First Use:
 - 10 Hours
 - No loss of signal*
 - 12 Gig data usage
 - No advertisement – 400+ viewers

Uses

- Summer Graduation
- Opening of Teaching Building
- New Chancellor
- Winter Graduation



Considerations

- Must do a site survey
- 4G (should) mean single dongle
- Relies on phone reception

Services

- Core service plan
- Costing by usage (predictable)
- Site survey quick
 - Coverage maps exist
- Reliable



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Future

- Other Events:
 - Sports (varsity)
 - Alumni events off campus
 - Arts events

