#### Live IP Sports Production and Distribution

### Case Study: Scottish Premier Football League (SPFL)

### Chris Clarke, CEO, Cerberus Tech Ltd www.cerberus.tech





## Cerberus Tech Ltd

- Founded 2014 (2012).
  - Managed Services
    - 24/7 🔀 Network1
    - Occasional Use 🔷 Livelink
  - Products
    - Ateme SA
    - Cerberus Tech Ltd
    - Open Broadcast Systems Ltd
    - Zixi LLC
  - Member of the RIST Forum



Based in the south of England, in the middle of nowhere, just the way we like it!





# Replacing Satellite, Fibre and Fixed Circuit Workflows

#### (or at least offering an alternative)

- Why are they used for large scale OU distributions?
  - Ubiquitous transport (Satellite)
  - Centralised 'meet me' location (Satellite, PoP, BT Tower etc)
  - De-coupling the responsibilities for delivery
  - Expensive 'pay to play' infrastructure
  - <u>Not</u> a zero cost option for reception



Look at that LNB!





## **Ubiquitous Transport**

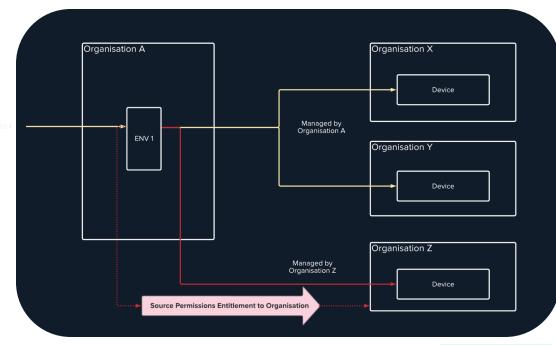
- Cloud Selection & Availability of Bandwidth
  - It's only available if you know what you are doing
  - Equivalent to (if not cheaper than) erecting an antenna and installing the required infrastructure but the result is so much more.
- Protocol Selection: HLS, <u>RIST</u>, RTMP, <u>SRT</u>, <u>ZIXI</u>
  - Not always best for the job
- Competence with the technology / ease of use





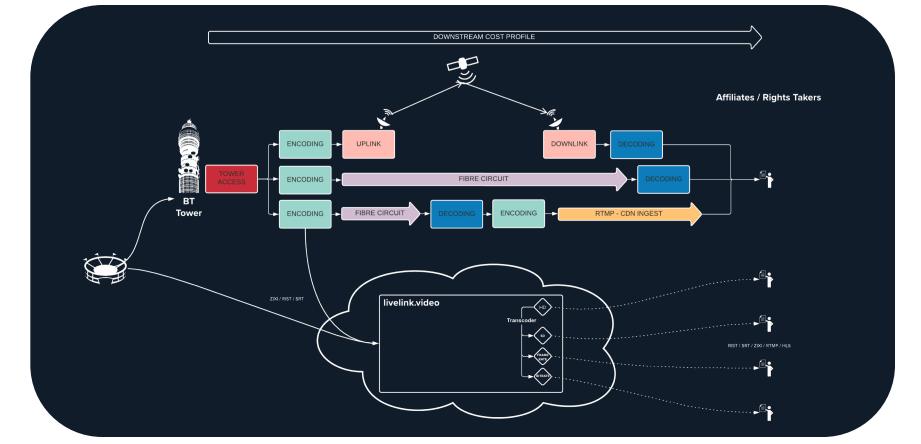
# Scaling Up

- Decoupling the responsibility
  - Treating the cloud like a satellite
- Rights entitlement
- Self management One pane of glass
  - Contribute
  - Transcode
  - Distribute
- Lowering the downstream cost profile for content acquisition
  - Whilst increasing quality













## The SPFL

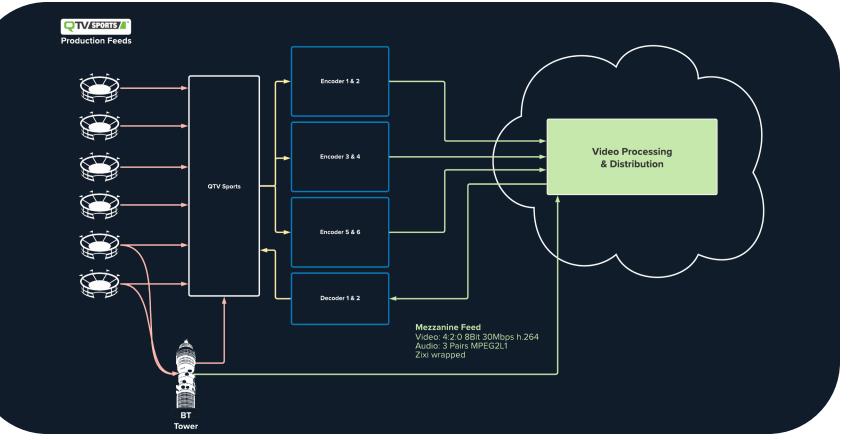




- Founded 2013 (1890)
- 12 Teams | 228 Matches | Aug- May
- Broadcast
  - Sky Sports: 48 Live Matches per season
  - BBC Scotland: Highlights package and 38 delayed Gaelic broadcasts (BBC Alba)
- QTV Sports
  - Production of 142 matches
  - Delivery to:
    - Broadcasters
    - Clubs
    - Stats
    - Clipping

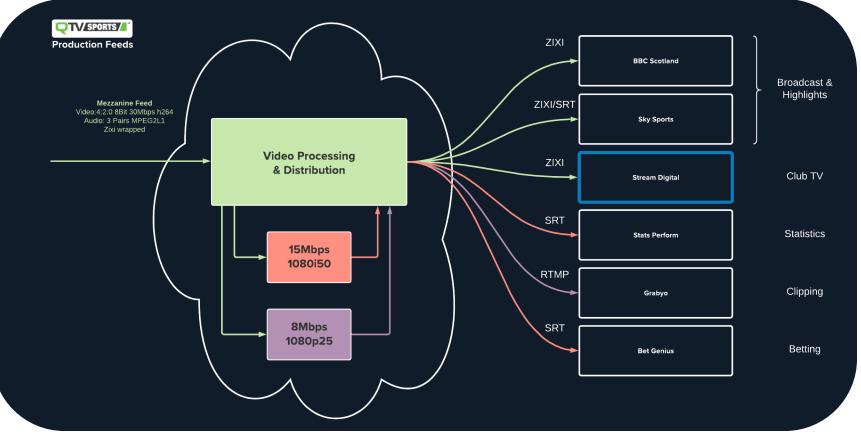








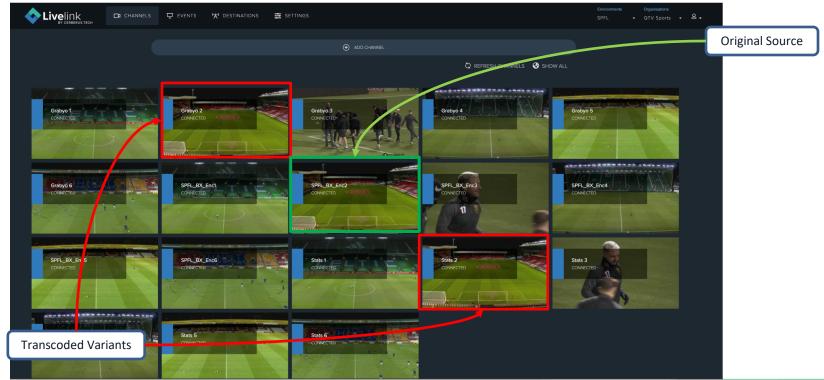






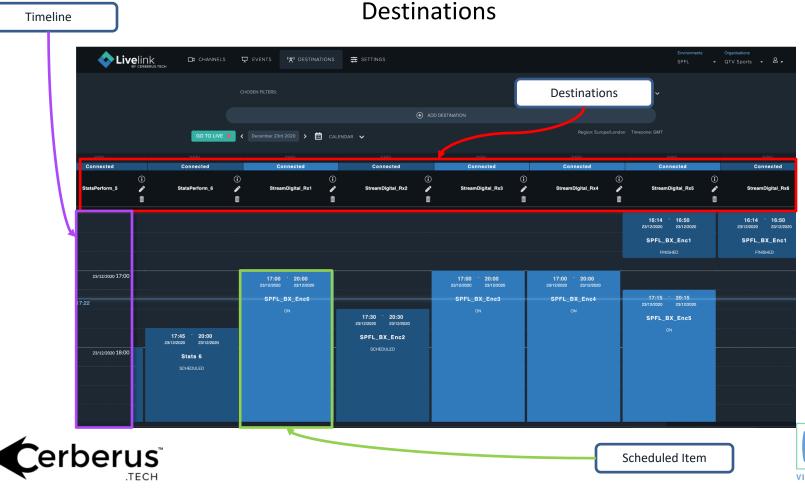


#### Sources









VIDEO SERVICES FORUM

## **Open for discussion**

chris@cerberus.tech

www.cerberus.tech



