



Ingest and broadcast playout system for TBN Europe, London



ATG Danmon is one of the world's most successful providers of high-end reliable and easy-to-operate integrated systems for broadcasters and programme makers.

Active in Europe, Asia, Africa and the Middle East, ATG Danmon is part of the Dan Technologies Group which operates from offices in the United Kingdom, Germany, Denmark, Norway, Spain, Sweden, Vietnam, Jordan and Dubai.

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ATG Danmon has completed a new playout system for the church and London studios of worldwide broadcaster Trinity Broadcast Network. The requirements included a flexible ingest system, easy expandability to allow additional channels if required in the future, a highly capable scheduling system and the ability to include live programmes in the schedule. The project commenced with discussions to agree with TBN the design, operational workflow and installation timescale.

"This project forms part of a major expansion at our London facility which includes two new state-of-the-art high-definition production studios," comments Richard Fleming, Managing Director of TBN Europe. "ATG Danmon is integrating an ingest and playout system which will provide us with the technical resources to transmit to the UK digital terrestrial television network. Content will come both from our US production facilities and from programmes produced here in Europe. ATG Danmon worked with us very successfully on a recent major project at our broadcast hub in Madrid so was the logical choice for this new system."

"The ingest and playout infrastructure we have integrated into TBN's London Studios includes an Avid Media Composer edit station, EditShare content network and Provis scheduler feeding Pebble Beach Marina automation and Dolphin playout equipment," adds Jonathan Hughes, ATG Danmon's Head of Systems Integration. "Incoming video and audio arrive in Sony XDCAM HD 50, Sony IMX

30/50 or Avid DNxHD source format.

"Content is selected using an Imagine router and then ingested to near-line shared storage by the Editshare system. Up to two sources can be simultaneously ingested to shared storage using an EditShare Geevs server controlled by a single ingest client. This is connected via IP both to an editor and the transmission system. Accessible storage capacity is 27 terabytes which can accommodate up to 1,100 hours of high-definition content.

"Playout from the Marina/Dolphin system is supported by 1+1 redundancy, ensuring continuity of service in event of hardware failure. Transmission can be in MPEG AVI, MXF/IMX or MXF/DV format. An Axon Tracs compliance recorder with 30-day capacity stores MPEG 4 video plus discrete audio."

With 26 networks and growing worldwide Trinity Broadcasting Network is the world's largest faith-and-family television group, airing a broad range of church and ministry programming, Christian music, family friendly movies, children's programming, and shows for teens and young adults 24 hours a day to every inhabited continent via 87 satellites and 20,000 television and cable affiliates. In addition, TBN's most popular global networks are available on computers, smart phones, and other mobile devices, and over 22,000 hours of entertaining and inspiring on-demand programming is accessible via iTBN.org.