

**Strong as ever,
Building our future**



Future-proof terrestrial TV broadcasting networks

Securing 250 million European viewers
universal access to the TV, radio and over-
the-air services they watch and enjoy.

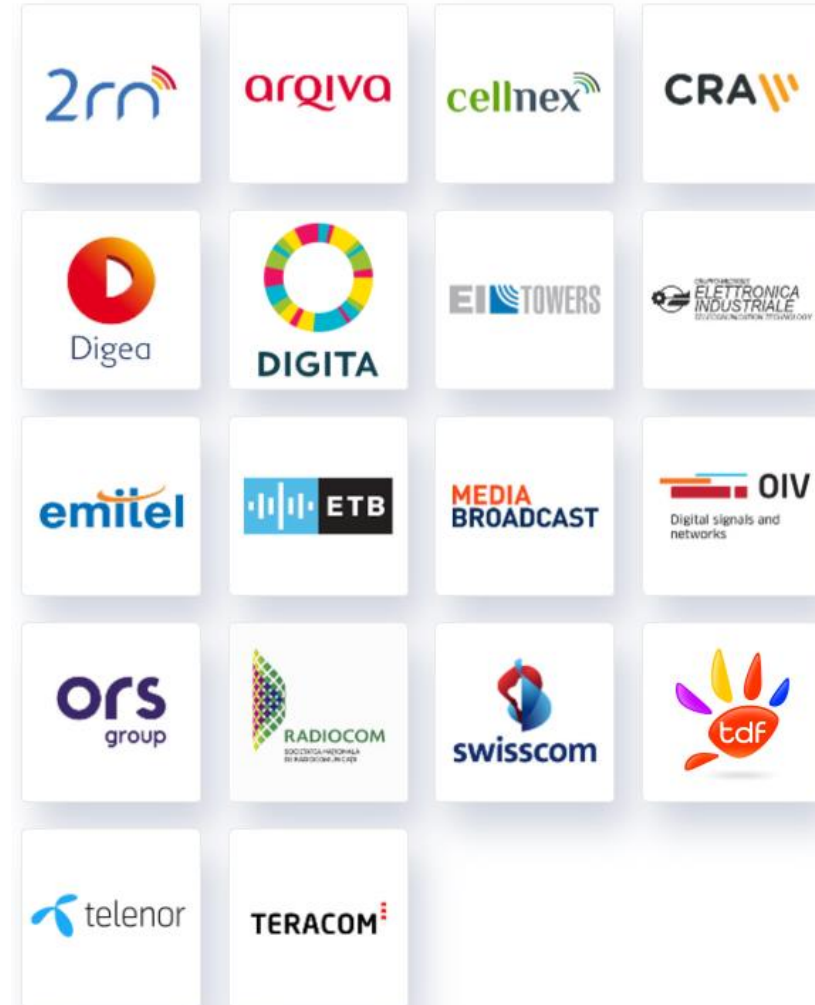
Broadcast Networks Europe

The voice of terrestrial broadcast network operators

www.broadcast-networks.eu

BNE members are European long term investors and operators of broadcasting networks for DTT, radio and associated services.

Our members' customers are public service and commercial leading companies such as National, regional and local broadcasters and content providers (live and on line TV and radio).



Digital Terrestrial Television (DTT) is the primary source of trusted information and quality content for European citizens

- Linear TV has an enduring popularity and continues to be consumed in high volume across Europe.
- DTT is and remains #1 distribution platform for linear TV in Europe (in penetration).
- DTT ensures universal, free and reliable access to free TV, news and entertainment. Critical role for society resiliency during the pandemics.
- In an era of online disinformation, DTT is an essential source of impartial and quality information.
- DTT and broadcasting consumption remain anonymous and respect privacy.
- The European audiovisual sector is strategic for the Union and terrestrial broadcasting is its backbone.

3h34 min of TV /pop/per day

90% Live

100M DTT Households in Europe (EU+EFTA+UK)

250M Europeans

Innovation in Digital Terrestrial Television networks



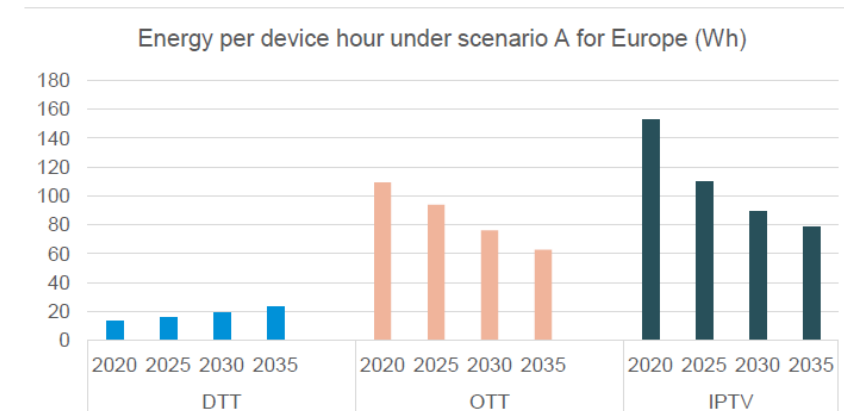
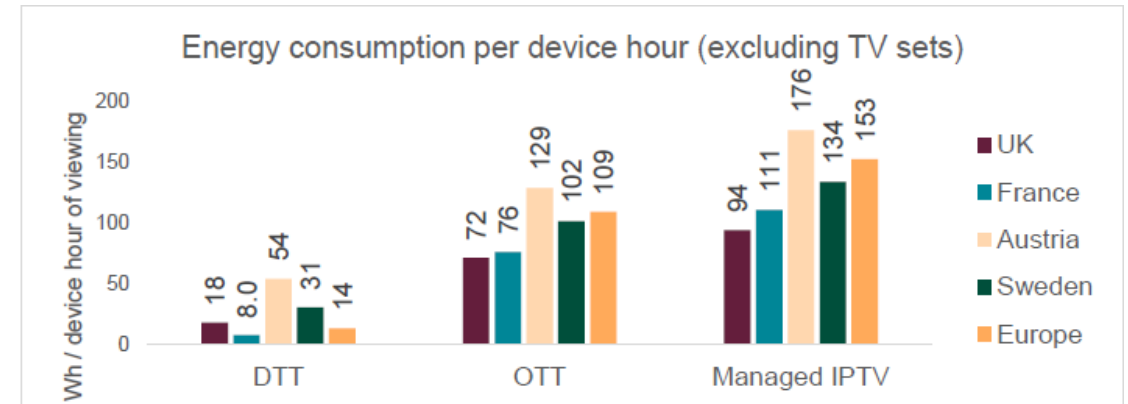
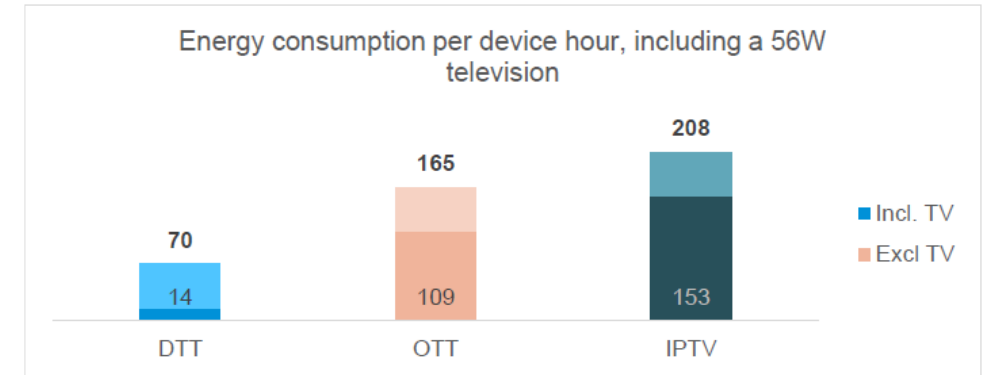
THE FUTURE

- Higher quality (enhanced HD, UHD TV, improved sound, interactivity with HbbTV)
- DTT and OTT are complementary: DTT for live TV viewing, hybrid TV through OTT for non linear
- DTT and 5G are complementary: DTT at home, 5G Broadcast on the move.

DTT is a green/sustainable platform

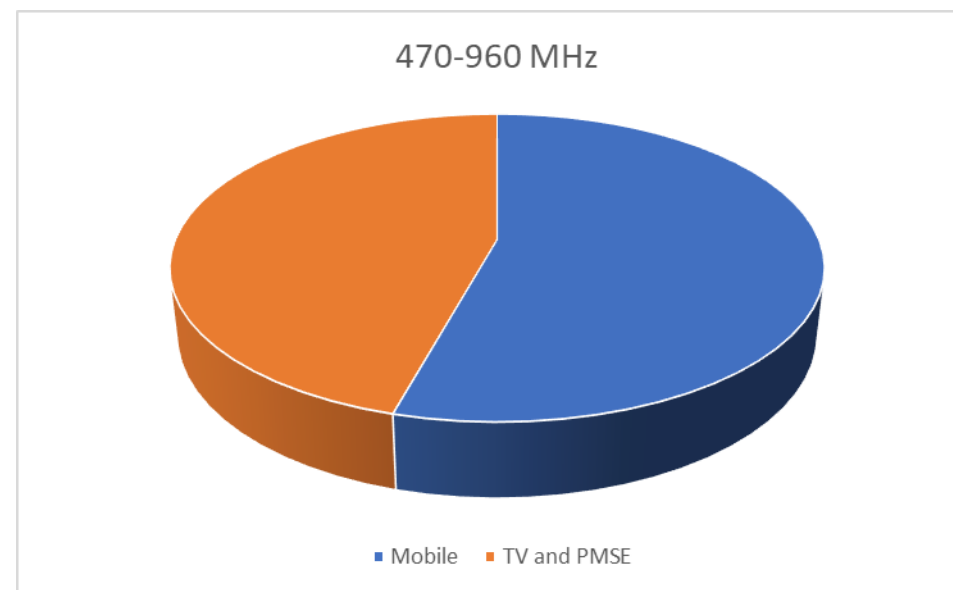
Findings from [CARNSTONE](#) for **LoCaT**
The Low Carbon TV delivery Project

- “We found that delivery of content via digital terrestrial television consumed substantially less energy, when compared to IP-delivered methods.”
- “This pattern is present across all European countries”
- “Our modelling suggests this will remain the case in the long term under a range of scenarios.”
- Full report and more information at www.thelocatproject.org



The UHF spectrum is a vital resource to operate, innovate and compete

- DTT uses the state of the art spectrum-efficient compression and transmission technologies, while sharing the band with PMSE, Radio Astronomy and others.
- European broadcasters can only continue to innovate and compete if they have the full access to the 470-694 MHz band -> HD, UHD, mobility.
- European Parliament, Council and the Commission have secured long term access to spectrum for terrestrial broadcasting, by law until at least 2030.
- DTT licenses in the UK have been extended to 2034. France's new law paves the way for the introduction of UHD. The new German Alliance for Broadcasting and Cultural Frequencies has been created.
- ITU-R [Report BT 2302-01](#) provides information on Spectrum requirements for terrestrial television broadcasting in the UHF frequency band in Region 1.
- The position of BNE, regarding international discussions on the agenda of WRC-23 is in favor of NO CHANGE to the Region 1 allocation in the 470-694 MHz band.



For **94** Countries in ITU Region 1,
spectrum need for DTT in the future is

224 MHz or more

Conclusion- three keys for future-proof terrestrial broadcasting networks

- The Terrestrial broadcasting roadmap combines increase of quality, linear TV and non linear in hybrid mode, and access to mobile terminals.
- The European UHF Decision identifies 470-694 MHz as the core spectrum for terrestrial broadcasting and PMSE, for the long term.
- Ensuring environmental friendly and universal access to Free Television, news and entertainment; bringing business, social, cultural and sovereignty benefits to Europe.

