



# Integra-X For Broadcasting



**A GREAT  
PRICE-QUALITY RATIO**

## INTRODUCTION

Broadcasting has always been complicated, especially in remote areas with limited infrastructure. There are a few solutions to connect with the main studio – direct access to fiber, satellite, or a mobile microwave point-to-point (PtP) link. The advantages of using SAF Tehnika's PtP link compared to other solutions are mobility, stability, and price. The system is quick and easy to set up and there's always a reliable team of technical support professionals available to you.

## CLIENT

**RTBF – Radio-télévision belge de la Communauté française or the Belgian Radio and Television of the Wallonia-Brussels Federation** – is an autonomous public company, broadcasting large events and other content for the French-speaking part of Belgium. RTBF has over 45-year long history and experience in broadcasting. They produce and distribute content for TV, radio, and the Internet.

## CHALLENGE

RTBF was using a solution with 2x100Mbps capacity, however it was not enough to meet modern digital television (DTV) standards. It was crucial for them to increase the link capacity for remote events coverage.

The goal was to improve RTBF's performance by providing a high-capacity video stream from the mobile broadcasting studio. The mobile microwave PtP link had to transmit the signal through three consecutive points – from the mobile studio to the nearest tower or fiber connection and then onwards to the main TV studio. They required a broadband connection with the speed of at least one gigabit per second, adaptive coding, and modulation (ACM), quality of service (QoS), and fiber connectivity.

## PROJECT DETAILS:

Various remote events

Equipment: Integra-X, 2 radios

Link distance: 3-20 km

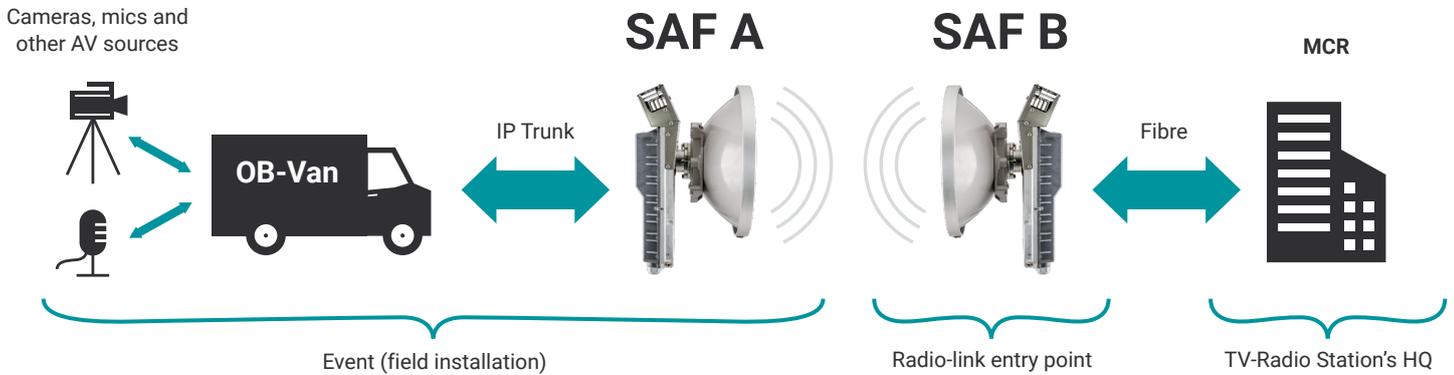
Used capacity: 1 Gbps

Antennas: 60 cm



## SOLUTION

To solve this challenge, SAF Tehnika offered Integra-X radio link to provide a private IP network with up to 1 Gbps capacity, reaching up to 20 km distance and fiber connectivity. Thanks to the link stability, the uncompressed audio (AoIP) is transmitted with low to no delay.



With SAF Tehnika's equipment, the client can now meet rising capacity requirements of modern broadcasting. By setting up future-proof solutions, RTBF can look forward to new opportunities, long-term agreements with customers, and wider coverage of the multimedia market.



**“ We chose SAF equipment for its great price-quality ratio. It was competent in price, and the RF performance was great. The installation was easy as well, and the RX meter level and web-integrated spectrum analyzer helped a lot when establishing the link. ”**

**Eduard Aldea Borrue**,  
RTBF/Technologies Broadcast Engineer

SAF Tehnika is one of the most specialized microwave data transmission technology manufacturers in Europe with the long-term competence in the development and production of microwave radios.



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