

The Invisible Orbit Behind Every Broadcast

Why teleport services quietly determine how the world watches — in quality, speed and continuity

For today's broadcasters, every second on air counts. Live sport, breaking news, premium entertainment and global events leave zero margin for error - a single drop, delay or outage can mean lost audiences, lost revenue, and reputational damage.

As content travels from camera to cloud to screen, teleports sit at the very heart of this journey. They are no longer just uplink facilities, they are mission-critical media gateways, enabling real-time contribution, global distribution, disaster recovery and operational resilience at scale.

With audiences spread across continents and platforms, broadcasters need teleport services that deliver:

- **Always-on availability**
- **Ultra-low latency**
- **Global reach**
- **Built-in redundancy**
- **Seamless integration with IP, cloud and media backbones**

Because when you're transmitting **every millisecond of live content**, failure is not an option.



Orbit Under Pressure

The gravitational forces reshaping broadcast operations

Zero tolerance for downtime

Live broadcasts demand 100% reliability. Traditional single-path uplinks and fragmented infrastructure expose broadcasters to outages, signal degradation and service disruption, specially during peak events.

Growing scale, shrinking timelines

Broadcasters need to do more with less and are expected to support:

- **Hundreds of channels**
- **Multi-satellite operations**
- **Faster event setup and teardown**

F1® use case:

10 Days



One complete broadcast ecosystem



Across 24 locations & 5 continents

Rising complexity across satellite, IP and cloud

Managing satellite uplinks, downlinks, RF chains, IP networks, cloud workflows and monitoring tools often across multiple vendors creates operational silos and increases failure risk.

MotoGP use case:



66 live feeds



12TB of data



Every race weekend - without a margin for error

Business continuity and disaster recovery risks

Natural disasters, local outages or equipment failures can bring operations to a halt without a **geo-resilient teleport and DR strategy** in place.

For Tier-1 broadcasters, resilience it's a commercial necessity.



Tata Communications' Purpose-built. Media-grade. Globally integrated.

Ever-ready media infrastructure

- Media-grade RF chains with redundant uplink and downlink systems
- Support for multiple GEO satellites with wide look angles
- High-density antenna farms and Simulcast capability for large-scale reception

Integrated global media backbone

- Direct on-net access to Tata Communications' global network
- Seamless contribution and distribution across 190+ countries and territories
- Low-latency connectivity to broadcasters, platforms and cloud environments

Designed for zero downtime

- Dual power feeds, generators, UPS and precision cooling
- Triple-diverse fibre routes and hitless switching
- Always-on monitoring across RF, network and service layers

Built-in resilience and DR

- Geo-redundant teleport architecture across India
- Evergreen playout and rapid failover capabilities
- Enterprise-grade business continuity for Tier-1 broadcasters



Measurable ROI for broadcasters

Uninterrupted broadcasts at global scale

Tata Communications supports:

3,000+ TV channels globally | **360,000+** hours of content annually | **Content reaching over 2 billion sports fans worldwide**

This translates into consistent viewer experience, stronger advertiser confidence, and protected broadcast revenues.

Faster, more efficient operations

By integrating teleport services with IP and cloud:

- Latency can be reduced to milliseconds for live contribution
- Broadcasters can centralise production and reduce on-site complexity

Formula E achieved:

42% reduction in airfreight | **49%** travel savings
50% fewer personnel required on site through remote production models

Lower total cost of ownership

A consolidated, media-grade teleport eliminates the need for multiple vendors, duplicated infrastructure and manual intervention - delivering:

- **Lower operational costs**
- **Predictable performance at scale**
- **Simplified management across events and regions**

Future-ready broadcast infrastructure

With support for satellite, IP, cloud and hybrid workflows, Tata Communications teleports enable broadcasters to:

- **Scale faster across new markets**
- **Launch channels and events with confidence**
- **Adapt seamlessly to evolving audience and platform demands**

When broadcasters need absolute certainty, global reach and zero downtime, they choose Tata Communications.

Our teleport powers live moments, protect revenues, and keep the world watching.

For more, explore [Tata Communications Media & Entertainment Services](#)

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