



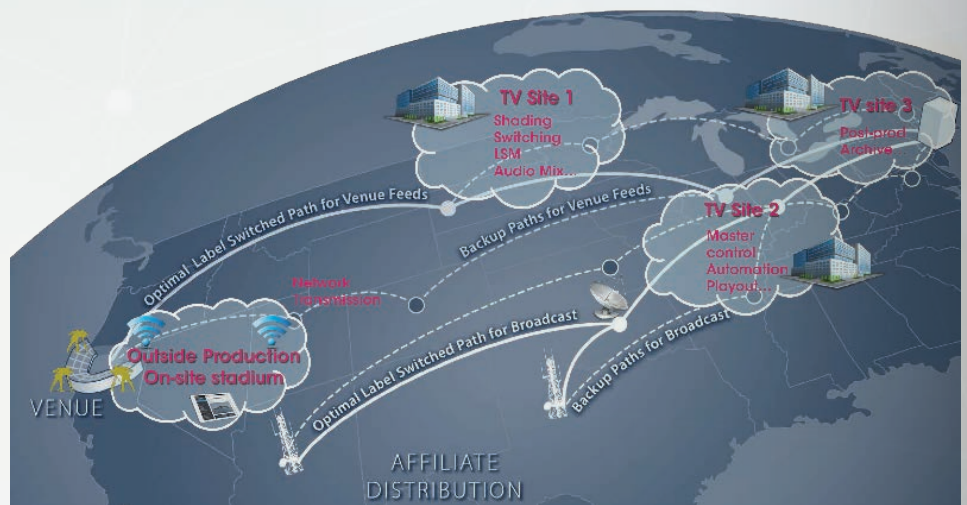
## Remote Production Network Solutions

The introduction of HD and 4K as the common standard in broadcast production and new services offered by latest TV programs require much higher contribution bandwidths.

Broadcast production is progressively carried out both in real-time and file-based, hence a multi-contribution service is required.

The shift towards IP/Ethernet-based video technology together with the Telcos' migration towards all IP infrastructures, propose new ways of building contribution networks.

In the meantime, broadcasters are changing their workflows to more automated ways of provisioning their contribution feeds to work on-demand and to more efficiently use the media assets and facilities. For the content to reach the broadcasters' premises, the IP transport capacity is often significantly less expensive compared to the use of OB vehicles with their associated satellite uplink capabilities. As a consequence, IP video transport becomes an opportunity for the future.



## Implementing YOUR CLOUD OPERATIONS

The latest IP connection protocols and the updated IP networks offer many ways to access content to the future broadcast industry. Thanks to new networking solutions, broadcast productions will be now able to share various technical resources (cameras, switchers, servers, etc.) located at different sites.

A broadcast video switcher will be now able to remote switch (via the new IP and fiber networks) cameras at a remote stadium located thousands of kilometers away. And cloud computing technologies offer through the SaaS, PaaS or IaaS, appropriated software tools for specific broadcast workflows and operations.

VIDELIO develop solutions, based on these remote production systems, to allow broadcasters to share technical and operational resources at their central facility without the need and cost of having all of them sent to remote sites.

Our signal & data transport solutions ensure that many different services can be distributed over 10GbE IP / Ethernet / SONET / SDH / DWDM network infrastructures. We imagine and implement reliable and cost-effective ways to gather and distribute your content across remote territories in real-time.

## What we do - OUR OFFERS

VIDELIO provide engineering services and studies for new broadcast networks to be deployed for various customers and business applications.

Our services span from professional consulting, system design to factory configuration and commissioning, on-site acceptance tests and commissioning, including:

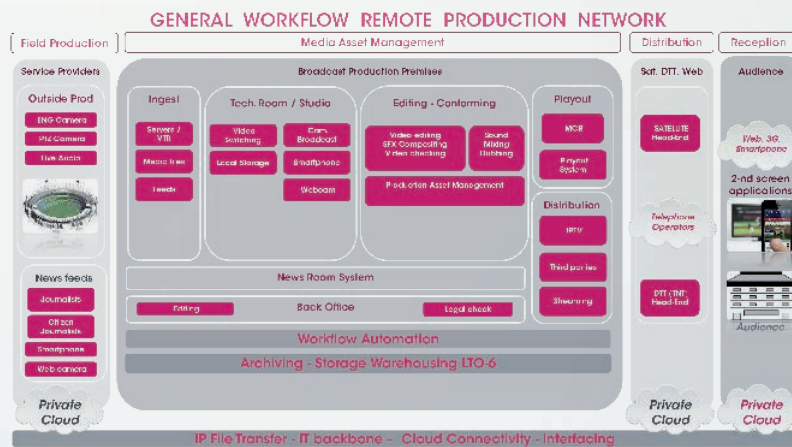
- Analysis, audit and technology consulting
- Existing systems assessment and feasibility study
- Ecosystem assessment and System design
- 2D/ 3D CAD drawings and schematics
- End-to-end Content Delivery systems
- Interconnectivity with service providers and networks
- Content Management Software solutions
- Training and after-sales support services

## New technical challenges FOR NEW PRODUCTION BENEFITS

Our solutions are based on gateways for multimedia services, typically interconnected with SONET/ SDH or IP interfaces and remotely managed by the network operations center (NOC) based at the Central Production Facility.

As an example, for a football match we would not use two vehicles (the OB and the support trucks), but a single support vehicle, as the cameras signals would be directly sent from the stadium to the central facility. Technically, an SDI to Fiber optical or IP multiplexer system sends the camera feeds to the premises and a return feed provides 'comms' to the cameramen operating onsite. All the essential production resources and operational team deployed in a traditional OB truck (18 to 24 people), can now operate at the central facility, far away from the remote production.

## Processing WORKFLOW



## Technology PARTNERS

Our solutions provide state of the art QoS mechanisms with guaranteed data transport, in order to handle the most demanding media signals.

The system design is synchronized to the latest technologies, the best industry proven solutions, practices and operational experiences. We create and qualify our solutions with Sports events producers, TV, Transmission and Networks experts, in order to provide state of the art systems and sustainable long-term benefits.



VIDELIO is an International Broadcast, Media & Entertainment system integrator and service provider  
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