MEDIA AND BROADCAST



Vena

More than Just a network

What Is Vena?

Vena is our next-generation media platform, which intelligently connects media supply chains. Vena supports all content transmission, including live broadcast and streaming, connecting studios and production facilities, playout and broadcast infrastructure.

Vena is the flexible and scalable foundation on which modern broadcast operations can be built. Customers can optimise their media workflows with connected supply chains, move huge files through our high-capacity network, and manage, produce and distribute content easier than ever before.

Key Benefits

- **Complete visibility -** Vena lets you see exactly how we route your services and keeps you up to date on performance, so you always know exactly what's going on.
- **Best-in-class resilience -** In the event of an unexpected interruption or outage, Vena can re-route and restore your traffic in seconds, seamlessly switching to a backup route.
- **Instant scalability -** Create, modify, and terminate services within minutes to flex to current demands. Without the need for extensive infrastructure upgrades, giving you better cost management.
- **Do more with higher capacity -** Low latency and high bandwidth are built at the heart of Vena so you can move content wherever, whenever.

Why Choose BT?

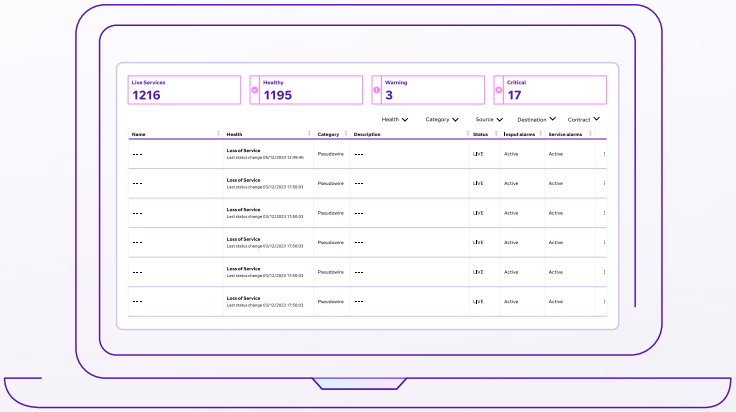
- **Access our whole portfolio -** Vena enables customers to easily utilise and access Media and Broadcast's wider portfolio of products.
- **Benefit from our experience -** Vena draws on more than 70 years of global broadcasting experience. We operate at the heart of the media industry, moving 24,000hours of content a day through the BT Tower.
- **Unrivalled availability -** Vena is built for broadcast. We can guarantee your services on our platform, delivering service availability of up to 99.999%.
- **Guaranteed peace of mind -** From in-life to the latest technology upgrades – your services will operate remotely, without interruption. Our International Media Centre provides 24/7 end-to-end system monitoring, staffed by highly specialised and experienced engineers who proactively monitor faults.
- **Meet your green goals -** As an accredited DPP and Albert (backed by BAFTA) supplier, we're committed to reducing our environmental impact. To inspire our partners to do the same, we're using 100% renewable electricity worldwide – aiming to be net zero by 2031.

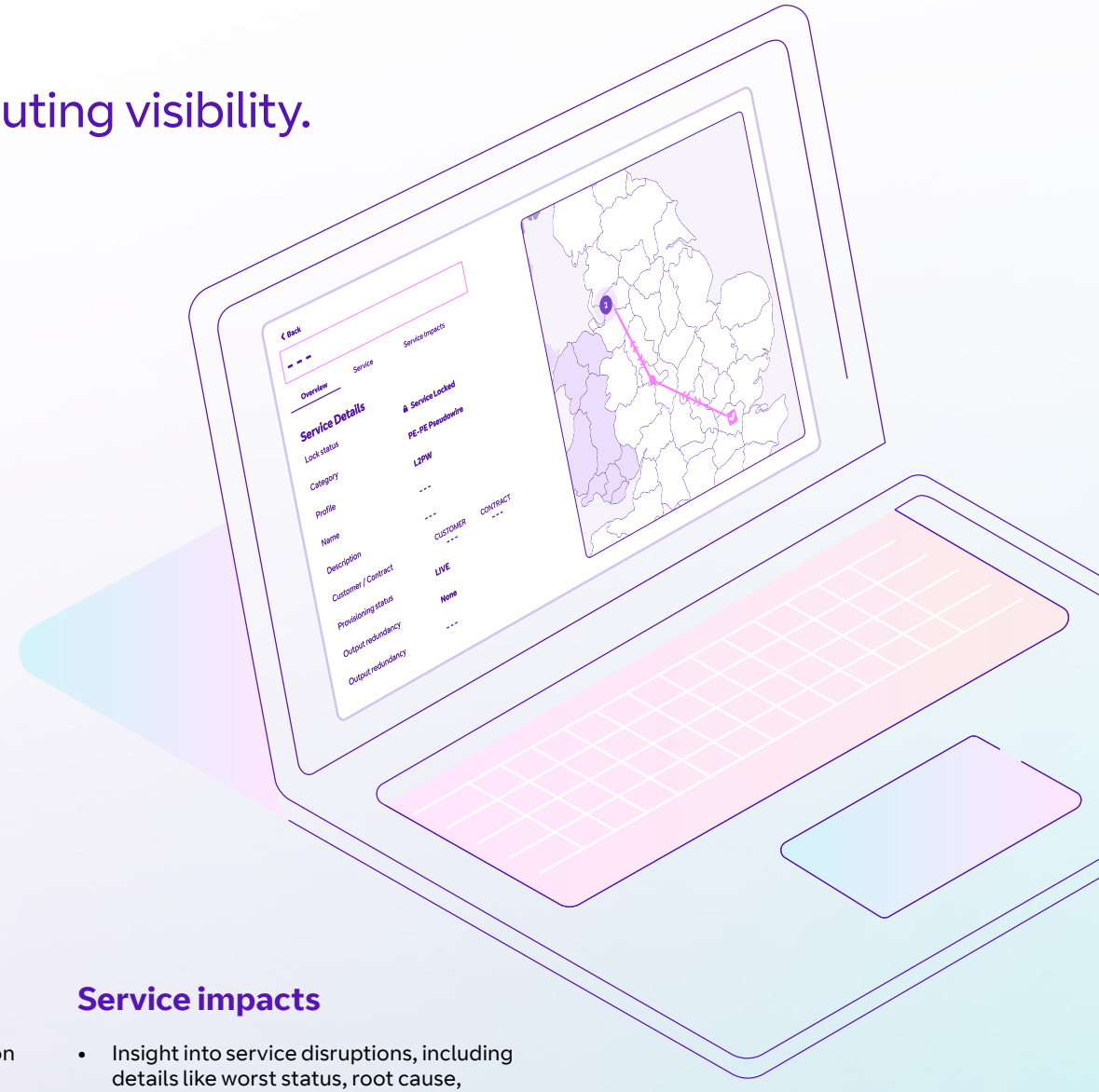
The Vena portal

Get performance updates and service routing visibility.

What is the Vena portal?

As a Vena customer, you can request access to the Vena portal where you'll get full visibility of the stability and health of your service routing paths, which will continuously provide updates on changes in performance. This ensures that you are constantly informed and ahead of the curve.





Dashboard and service list

- Clear overview of services categorised as healthy, warning, or critical, providing a snapshot of overall service health.
- Easy-to-use filters for streamlined service access.
- Quick search functionality to find specific services promptly.

Service details

- Access to extensive service information such as category, type, profile, name, description, contract, provisioning status, creation date, and route information, ensuring a comprehensive understanding of services.

Service impacts

- Insight into service disruptions, including details like worst status, root cause, start time, end time, and loss of service (LoS) duration, aiding in understanding service performance and impacts.

Vena

Your content, where it's needed – fast.

Key features and capabilities

Vena is a collection of microservices, workflows, databases and cloud-based supporting services which together powers the Orchestration System.

The result of which is full end-to-end management of all equipment with automated services & live reporting.

This is the brains of the platform. Without it, it's just another managed network. Similar to cloud service offerings, once connected on Vena you can have access to all of the available features, for as much or as little as you need.

Resilient service type options

Live service reporting

Multiple 10Gb customer access

1+1 resiliency

Secure role-based account control

Integrated Media processing

Global, Cloud & OTT delivery

Planned Inventory Database (PI)

Multiple Handoff types

100+ PoP locations in UK

Up to 99.999% Reliability

100Gb Core Software Defined Network

Path Computation Engine (PCE)

High bandwidth Video & Data services

Swift provisioning

Media and Broadcast **Explore the possibilities**

Call: 0800 679 060
Email: mediaandbroadcast@bt.com

Talk to us

Vena

Technical detail behind each service format | **MEDIA SERVICES**

Service Format	SDI	ASI	H.264	H.265	JPEG-XS
Handoff Options	BNC IP	BNC IP	BNC IP	BNC IP	BNC
Brandwith Options	SD: 270Mbps HD: 1.5Gbps 3G: 3Gbps*	1-213Mbps TS Rate	Format/latency mode dependant*	Format/latency mode dependant*	SD: 6-117Mbps HD: 25-22Mbps 3G: 51-443Mbps*
Signal Protection Options	2022-7	2022-7 FEC	2022-7 FEC	2022-7 FEC	2022-7 FEC
Service Resilience Options	1+0 1+1	1+0 1+1	1+0 1+1	1+0 1+1	1+0 1+1
Redundancy Options	Output Redundancy via BNC	Output Redundancy via BNC	Output Redundancy via BNC	Output Redundancy via BNC	Output Redundancy via BNC
Other Options	Output Port Replication 2 inputs to 1 output	Output Port Replication 2 inputs to 1 output	Output Port Replication 2 inputs to 1 output	Output Port Replication 2 inputs to 1 output	Output Port Replication 2 inputs to 1 output

*Get in touch with your Account Manager for more details.

Vena

Technical detail behind each service format | DATA SERVICES

MEDIA AND BROADCAST

Service Format	L3 VPN	Pseudowire
Handoff Options	IP	Ethernet
Bandwidth Options	Up to full access circuit bandwidth	50Mbps - 90Gbps*
Tagging Variants	Single Tagged	Untagged Single Tagged Multi Tagged
Service Resilience	1+0 1+1 (via 2 x 1+0)	1+0 1+1
VLAN Rewrite Options	N/A	Untagged Single Tagged
Mixed Tagging Options	N/A	Untagged Single Tagged
Class of Service (CoS)	Single CoS Multi CoS	Single Cos
Routing Protocols	BGP Static Direct	N/A
Other Options	Up to 9118 MTU Customer Signalled Multicast	Up to 9118 MTU QinQ Support

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Talk to us

Offices Worldwide

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