

YISP provides custom designed, high performance video and streaming network solutions for customers across Europe, the USA and China, with a 1.5Tbps - 2.0Tbps network capacity.

*"A client was reporting issues with a large ISP in the UK and MTRs and traces did not show anything. With the statistics from XCA Edge we managed to verify that there indeed was an issue and contacted the relevant parties, and got it solved. It would have been very hard to confirm the issue and provide proof to our partners, let alone find the cause of it, without XCA Edge."*

Rens Ariens | CEO YISP

## BUSINESS PAINS

1. Manually trying to control available network capacity was ineffective
2. Congestion, outages on route and other issues could not be avoided
3. Traditional MTRs and Traces didn't always provide answers to issues

Expereo case study



## ON ROUTE FROM THE UNPREDICTABLE TO AUTOMATED

High performance video and streaming network solution provider YISP moves from manual monitoring of unpredictable customer traffic patterns to automated certainty with XCA Edge - reducing costs and delivering customers a welcome performance boost.



### CHALLENGE

- Before XCA Edge, the biggest challenge was controlling available capacity
- YISP staff were manually monitoring throughput graphs during peak hours in evenings and weekends, with limited options to solve issues as they arose
- This often led to extra costs, as they exceeded their CDR on links



### SOLUTION

- XCA Edge automatically catches and solves traffic issues across the network, for every destination
- The system manages performance and keeps the company under their CDR on all links
- This has drastically lowered the amount of connection problems for customers and the time spent working on issues



### IMPACT

- YISP reduced their total traffic costs by 10-20% per month, thanks to automated CDR management from XCA Edge
- Their customers have also enjoyed better performance, during normal and peak traffic hours, as the system continually routes around any congestion issues
- XCA Edge's detailed reporting also delivers deeper understanding of the YISP network

## FROM UNPREDICTABLE TO AUTOMATED

YISP found that traffic patterns were not always predictable. Customer behaviour can change rapidly and sometimes links would go down, due to fiber cuts or other reasons beyond their control. Traffic would then start flowing over other links, possibly causing congestion issues. XCA Edge solves this issue by monitoring the available capacity on all uplinks and automatically moving traffic to the best available link whenever other links run out of capacity.

*“You could see issues coming but there weren’t always easy solutions to these problems and they required constant monitoring. Sometimes it is hard to predict customer usage patterns, which you also have to cope with. Now it’s all automated procedures and our manual monitoring at night and on the weekends is no longer needed, we can cope with any changes, we have fewer reported connection issues, and higher satisfaction.”*

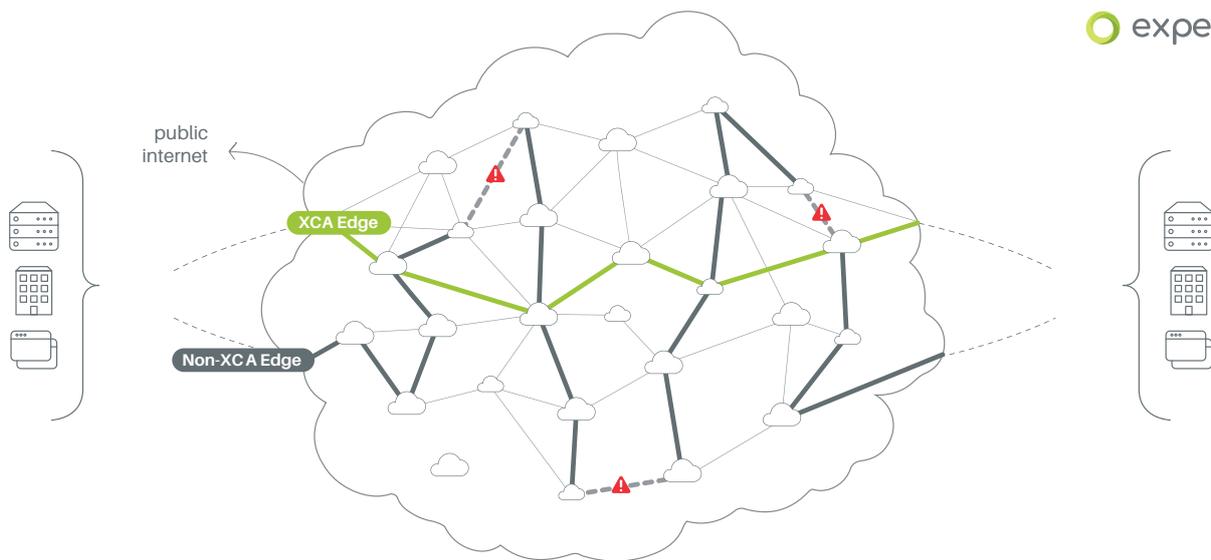
**Rens Ariens | CEO YISP**

## PERFORMANCE BOOST

At times, YISP have seen cases where reroutes from XCA Edge doubled the total amount of traffic for a specific AS during peak hours. When XCA Edge optimisation was enabled, any congestions disappeared, which enables their customers to use as much bandwidth as they want.

Previously, under normal conditions, traffic levels sent to different networks remained the same but the optimised XCA Edge routing provided a better quality service, allowing more bandwidth, to give customers a performance boost.

## XCA Edge



### XCA Edge

- ✓ XCA Edge monitors all available destinations across the public internet and chooses the best path available

### Non-XCA Edge

- ⚠ Congestion causing packet loss and high queuing delays
- ⚠ Poor path selection causing high round trip delays
- ⚠ Saturated transits