

GavleNet

**Fast and flexible
connectivity
for a Swedish network
operator**

GavleNet serves public and private companies in Sweden as well as building fibre and offering Internet access to private individuals.

Challenges: scaling up a network to ensure fast, redundant connections

With growing demand, GavleNet's challenge is to offer the best experience for their different customer markets. To do this, GavleNet needs a fast network with multiple routes and a simple way to maximise the value of local interconnection.

Netnod's solution: fast, flexible and scalable connectivity

As the leading interconnection provider in the Nordics, Netnod's Internet Exchanges (IXes) provide the most effective ways for networks to exchange traffic (also known as peering). Netnod's solution provides:

- peering opportunities with the largest transit providers and CDNs in the region
- regional IXes enabling operators to interconnect locally, reduce latency and cut transit costs
- improved speed, stability, redundancy and routing control
- shaped ports with 10G, 100G or 400G connections where operators only pay for the capacity they need today while ensuring quick and agile scalability
- a Remote IX service connecting customers to Netnod IXes throughout the Nordics with just one port and one cross connect.
- industry-leading security and 100% uptime

The results: fast, cost-effective connections ensuring optimised delivery to customers

"Thanks to peering at the Netnod IX in Sundsvall-Gävle, we can ensure a more robust delivery of services to our customers," says Stefan Stexgård, Strategist and Product Manager, GavleNet. "Since many large industry players are connected, our connection to the Netnod IX works as a redundant solution to reach these important networks."

The future: data centre growth and decentralised architecture

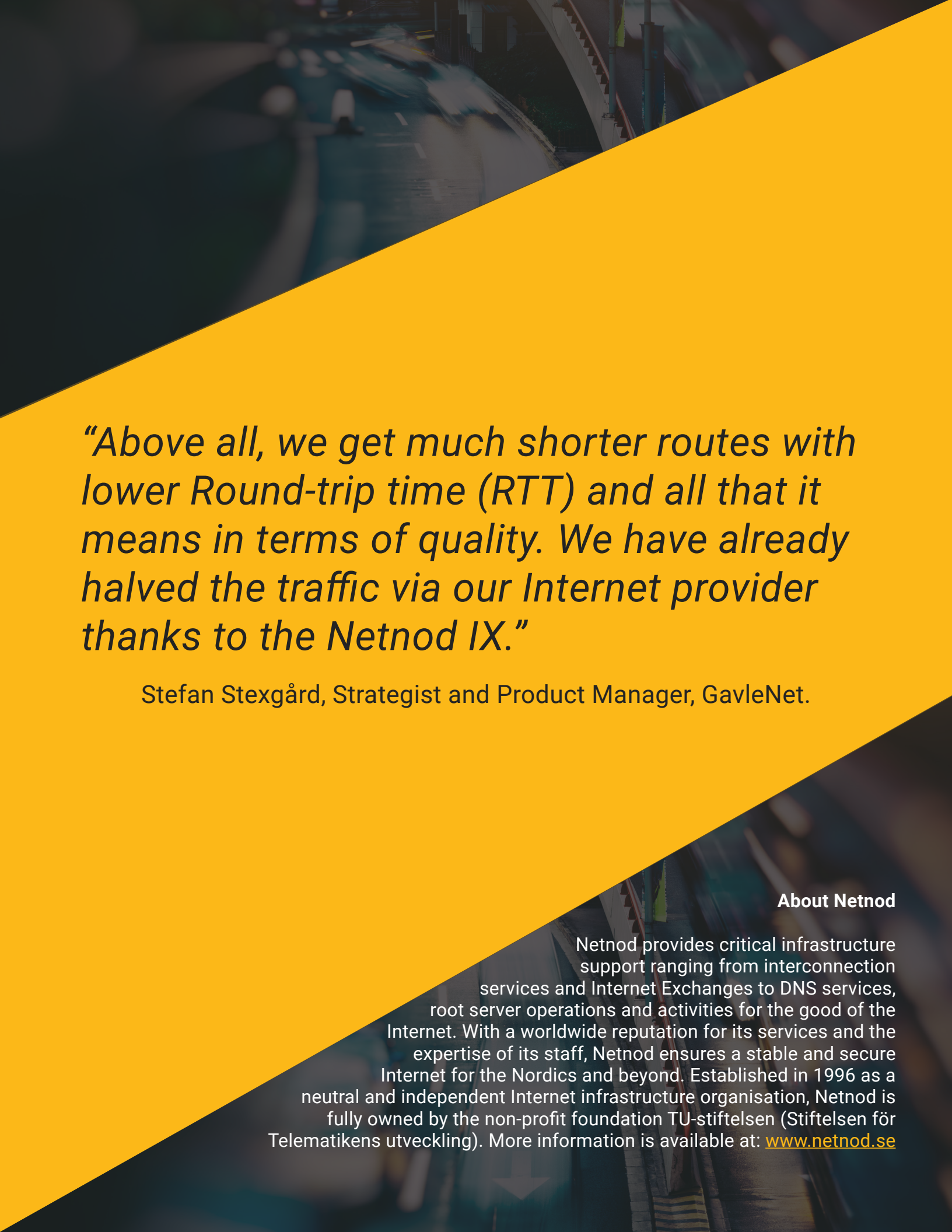
"Sweden is becoming increasingly interesting for data centers of various kinds and they require good connections, which will most likely drive the need for more local IXes," says Stexgård. "I believe that we will see a decentralisation of various societal functions in the future with both the public and private sectors looking for ways of distributing traffic throughout the country in a more decentralised way. Local interconnection will play an important role here."

About GavleNet

The city network GavleNet is owned and developed by Gävle Energi. It is one of the world's fastest and most secure communication networks, built to create a good IT infrastructure for Gävle's residents and companies. The technology and service increase accessibility and make life a little safer and more comfortable for all of us. It helps to give people a more stimulating life and makes it easier to share it with others. GavleNet offers high-quality broadband services for private individuals and companies and helps tenant-owner associations and property owners to create a more modern home. GavleNet's goal is for as many people as possible to have the chance to take advantage of broadband's opportunities, such as internet, chat, television, telephony and much, much more. More information is available at www.gavlenet.se



GavleNet[®]



“Above all, we get much shorter routes with lower Round-trip time (RTT) and all that it means in terms of quality. We have already halved the traffic via our Internet provider thanks to the Netnod IX.”

Stefan Stexgård, Strategist and Product Manager, GavleNet.

About Netnod

Netnod provides critical infrastructure support ranging from interconnection services and Internet Exchanges to DNS services, root server operations and activities for the good of the Internet. With a worldwide reputation for its services and the expertise of its staff, Netnod ensures a stable and secure Internet for the Nordics and beyond. Established in 1996 as a neutral and independent Internet infrastructure organisation, Netnod is fully owned by the non-profit foundation TU-stiftelsen (Stiftelsen för Telematikens utveckling). More information is available at: www.netnod.se