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## Correction: Enea Launches Industry's First User-Based Congestion Management, Boosting RAN by 15%

Proprietary algorithms take pre-emptive action to boost QoE for individual sessions before subscribers experience congestion, helping operators to get more from existing 4G infrastructure

Enea today launched [Session Congestion Manager \(SCM\)](#), the industry's first mobile optimization solution that can dynamically boost 4G and 5G subscriber Quality of Experience (QoE) for each individual user session. Mobile operators can now deliver outstanding QoE with pinpoint accuracy to specific anonymized subscribers – *before* they experience congestion. Enea's proprietary algorithms identify specific sessions that require QoE improvement and deliver pre-emptive optimization. In this way, SCM reduces the number of congested cells by 15%, and creates additional Radio Access Network (RAN) capacity to deliver 25% more video - without mobile operators having to invest in new infrastructure.

[SCM](#) monitors multiple traffic and network parameters in real-time and creates a per-user session congestion score to take proactive and automatic remedial action based on its severity. By applying optimization to the whole individual session, SCM delivers network efficiency without requiring any control plane or RAN integration. This is a key consideration for operators who want to maximize their existing 4G infrastructure while prioritizing 5G investments.

SCM is part of Enea's Congestion Management solution suite that also supports cell-based congestion detection using proprietary machine learning technology. SCM has already been deployed by EMEA mobile operators to maximize their 4G network and boost QoE.

Roland Steiner, Senior Vice President of Enea's telecom business unit said: "Operators are busy investing and priming their 5G deployments, but 4G will do much of the heavy lifting for years to come – so operators need to sweat their 4G assets. Traditional traffic management solutions react to signs of congestion on a per-flow basis. We use additional intelligence to manage congestion consistently through the user session and help operators manage subscribers' insatiable appetite for video."

Importantly, SCM fiercely combats the darkening of networks providing critical visibility to cut through encrypted traffic flows in real time. It intelligently adjusts encrypted Adaptive Bitrate videos to reduce impact on the RAN - so subscribers benefit from consistent video quality.

Gorkem Yigit, Principal Analyst at Analysys Mason said: “4G networks will still carry more than half of the world’s mobile traffic in 2024. Operators will need to squeeze more from their 4G networks to get some breathing space while they ramp up on 5G. Meanwhile, video is on track to be nearly three-fourths of mobile network traffic by next year. That means mobile operators must provide a consistently great video experience over existing infrastructure, or risk losing customers — and money.”

## Contact

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## About Enea

Enea is one of the world’s leading specialists in software for telecommunications and cybersecurity. The company’s cloud-native products are used to enable and protect services for mobile subscribers, enterprise customers, and the Internet of Things. More than 3 billion people rely on Enea technologies in their daily lives.

Enea is headquartered in Stockholm, Sweden, and is listed on Nasdaq Stockholm. For more information: [www.enea.com](http://www.enea.com)