

**CLAVISTER®**

We Are Network Security

# Sweden – tradition of innovation excellence.



What we do.

Clavister delivers the security solutions required for market leaders to optimize their networks... now and tomorrow.

# What we deliver.

Segment

Cloud

Enterprise

Telecom

Solution

Cloud  
SecurityService  
Provider  
SecurityReal Security for  
Real NetworksMobile  
Data  
OffloadingMobile  
Core  
Security

Platform

Products

Services

Training

Customer Advocacy

Professional Services

# What we deliver.

Segment

Cloud

Enterprise

Telecom

Solution

Cloud  
SecurityService  
Provider  
SecurityReal Security for  
Real NetworksMobile  
Data  
OffloadingMobile  
Core  
Security

Platform

Products

Services

Training

Customer Advocacy

Professional Services

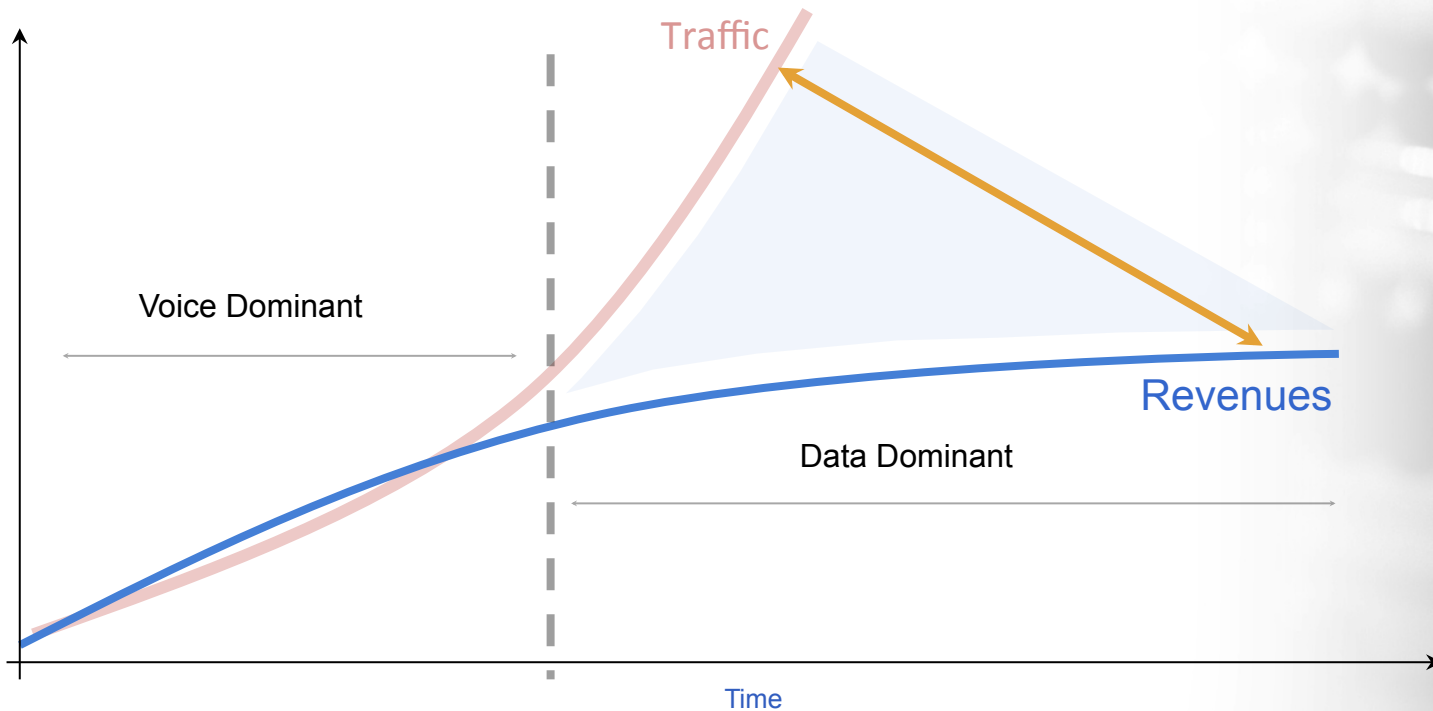
The mobile data explosion.  
An operator opportunity.



New device categories.  
And new services. It's all about data.



The operator challenge.  
More traffic. Less revenue.



The operator challenge.  
Traffic versus revenue disparity.

1x **You Tube** = 500,000x

(EUR 0.03)



(EUR 15,000)

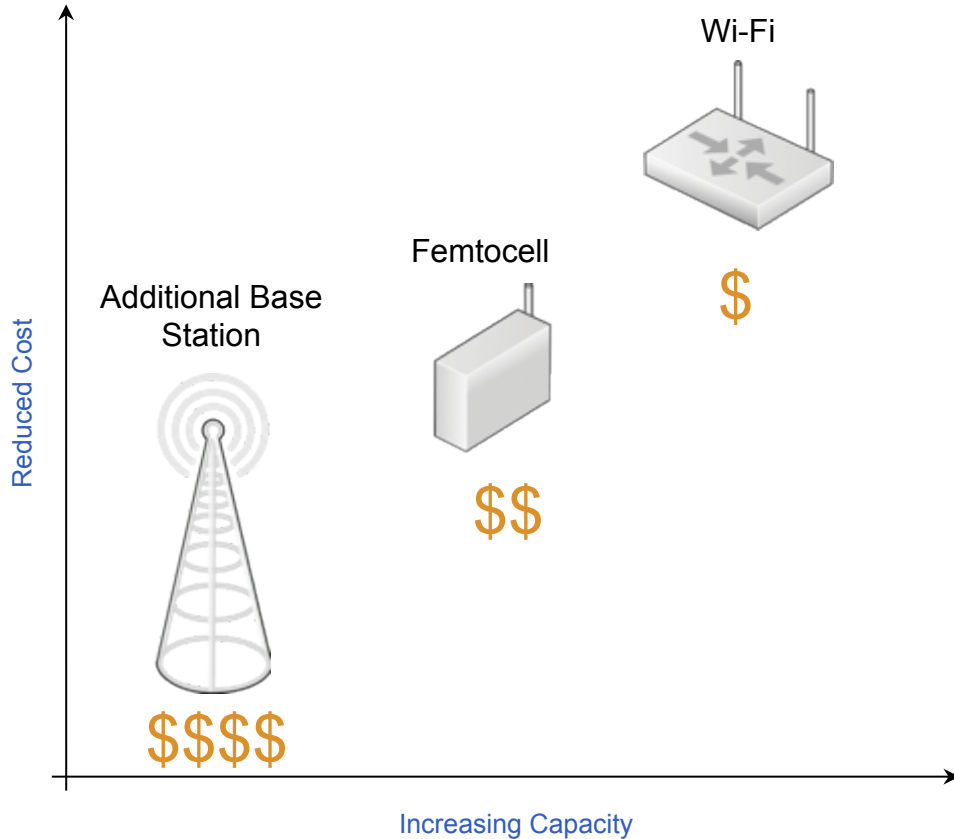
# The operator challenge.

*“A depressing reality for operators forced to cope with unprecedented levels of mobile data traffic and zero growth profitability.”*

SoftBank chairman and CEO Masayoshi Son



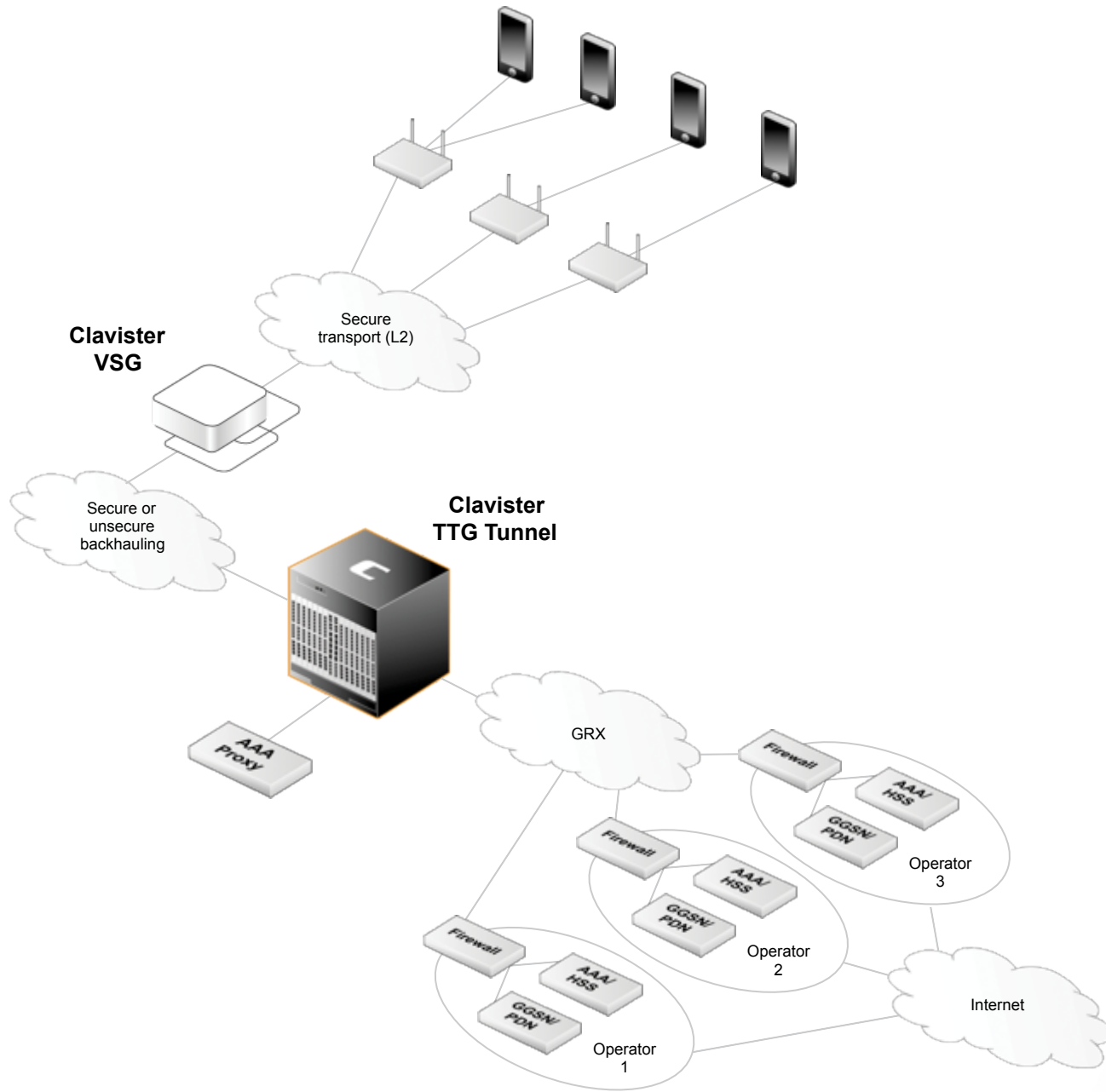
# Increased capacity. Reduced cost.



# Wi-Fi Mobile Data Offloading.

- ✓ 10 times faster than 3G.
- ✓ 70 percent cheaper than 3G.
- ✓ More than 862 million devices.
- ✓ More than 35 million hotspots globally.  
Free. Paid. Or community access points.





## Use Case – Secure I-WLAN

1. Find Wi-Fi networks.
2. Performs 802.1x authentication.
3. AAA keeps IMSI & MAC address.
4. Send DHCP request to TTG.
5. TTG receives DHCP discovery.
6. TTG queries AAA for IMSI.
7. Obtain DHCP-lease from TTG.
8. Stitching network IP <-> GGSN.
9. Internet traffic through GGSN.

## Key benefits.

- ✓ Fast rollout.
- ✓ Cost savings.
- ✓ Higher Speeds.
- ✓ Bandwidth tracking enables forecasting.
- ✓ Better customer experience.
- ✓ Ability to build on services.



Questions and answers.



**CLAVISTER®**

We Are Network Security