heksagon

Call Validation

Eliminate CLI Spoofing. Restore Trust in Every Call.

www.heksagon.com

CLI Spoofing

MNOs are facing a multi-billion dollar global telco crisis.

CLI Spoofing

$38.95B was lost to fraud in 2023, $2.6B of it lost to CLI spoofing.

CFCA

Lack of Call Validation

With a 30% vishing attack increase in the U.S. during 2024, call validation becomes the main problem impacting telcos.

GSMA

Impersonation Fraud

There's been a four-fold increase since 2020 in reports for impersonation fraud.

FEDERAL TRADE COMMISSION
PROTECTING AMERICA'S CONSUMERS

What Can MNOs Do?

Leverage CLI Validation to determine caller identity & protect their business.

Detect & Manage

- **Identify and prevent** calls with spoof IDs

- **Determine responsibility** for calls with spoofed CLIs (Non-repudiation)
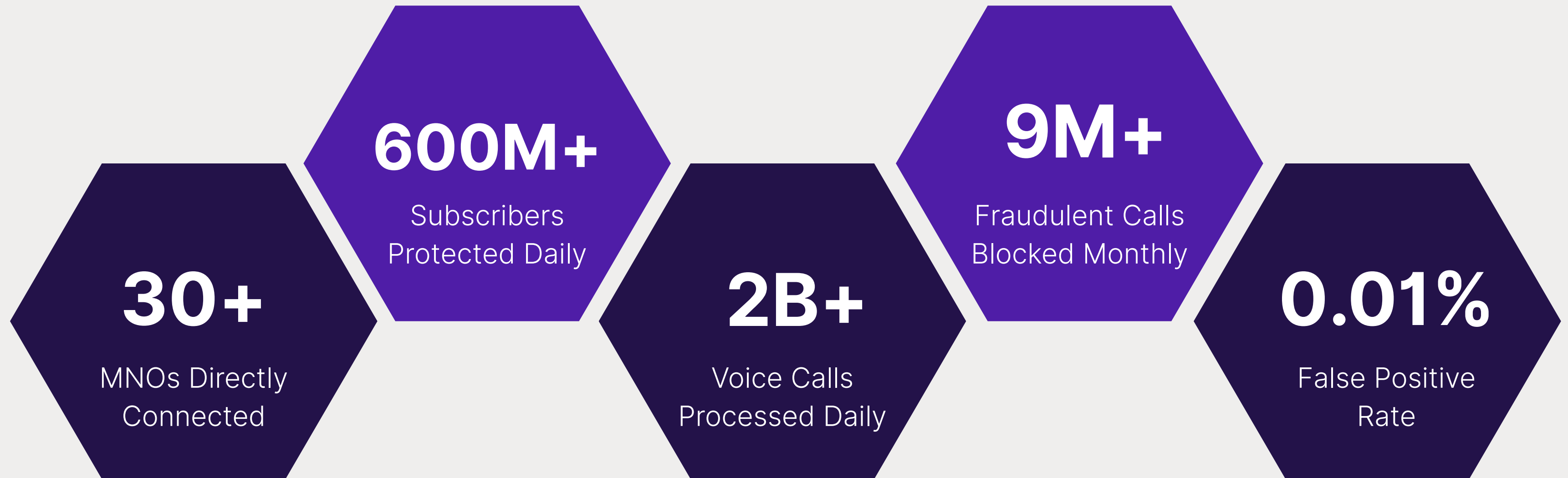
Restore Trust

- **Restore trust** of End Customer in telephony services

- Use **CLI as mobile identity**

- **Prevent social engineering** and Interconnect bypass termination

Heksagon: 1ˢᵗ Global Vendor to Develop a Call Validation Solution

30+
MNOs Directly Connected

600M+
Subscribers Protected Daily

2B+
Voice Calls Processed Daily

9M+
Fraudulent Calls Blocked Monthly

0.01%
False Positive Rate

15+ Years of Leadership in the Market | 5 Global Offices (HQ in Serbia) | Deployments Across 16+ Countries

Spearheading Industry Innovation

2012

Proud Pioneers of Real-Time Voice Firewall Product

2016

Globally First Vendor to Develop a Call Validation Solution outside North America

2018

Pilot Call Validation Project Implementation (Eurasia)

E2E Fraud Protection

- CLI Spoofing
- Interconnect Bypass
- Impersonation fraud
- Social Engineering frauds

Advanced Spoofing Checks

- Dynamic Call Back
- Roaming On Call check
- Inter-operator call check
- Central DB

Revenue Protection & Generation

- Prevent revenue leakages
- Generate new revenue streams
- Commercial Service for MNOs

Basic Anti-Spoofing Checks

- Unallocated numbers
- Invalid CLI
- Control of impossible calls
- Roaming Check

Protection Beyond Telcos

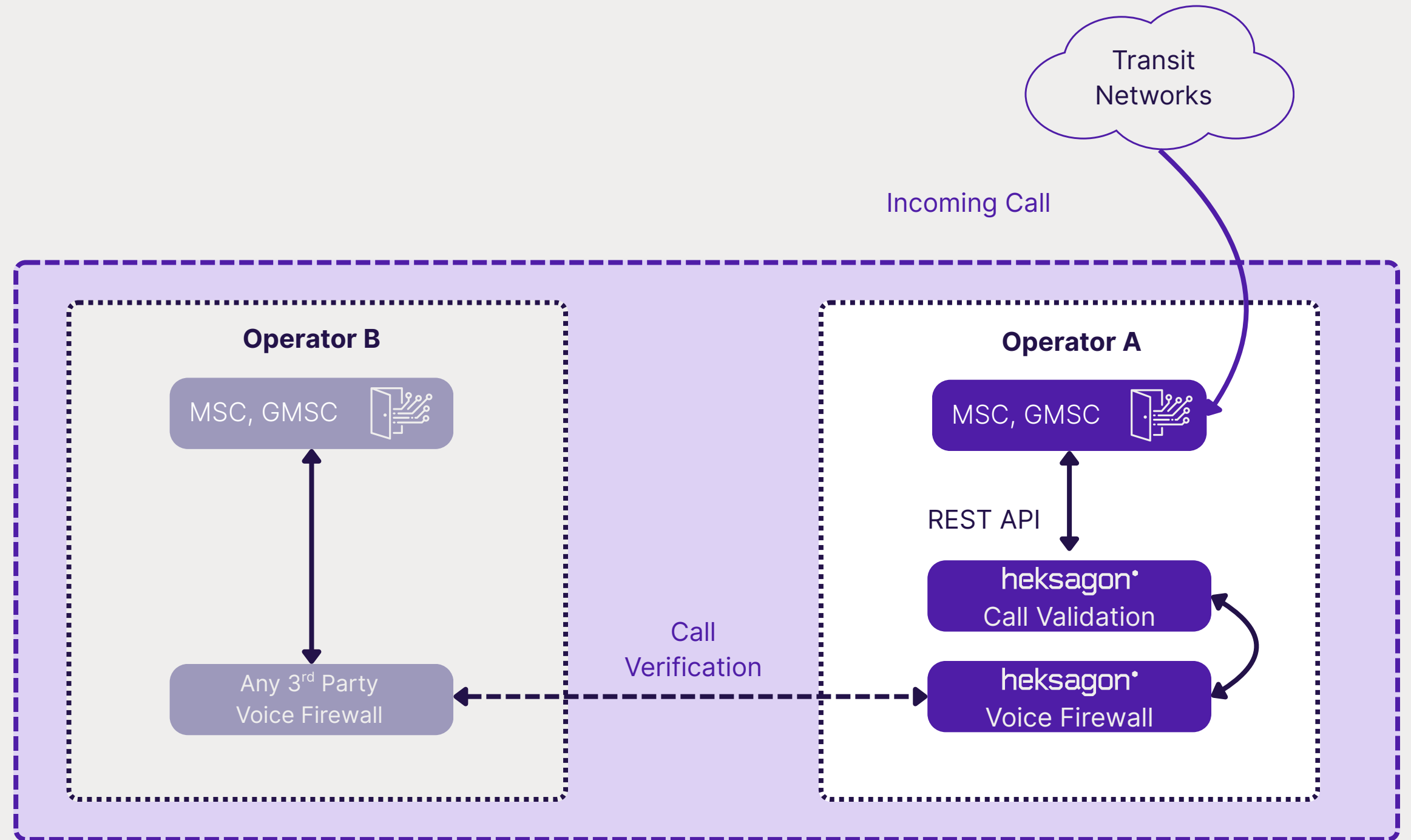- "Bank" to client calls
- "Client" to bank calls
- Commercial Call Centers
- Government identity protection

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Call Validation Solution

How Does Call Validation Work?

- Both Operator A and B use Voice Firewall Solutions

- Supports multiple protocols for implementation:
  - SS7 CAMEL
  - HTTP/REST API

- Minimal impact on call latency (~ 200ms)

We are an Open-Source Call Validation Solution
(Capable of Inter-working with any 3rd party VFW)

Transit Networks

Incoming Call

Operator B

MSC, GMSC

Any 3rd Party Voice Firewall

Call Verification

Operator A

MSC, GMSC

REST API

heksagon•
Call Validation

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Voice Firewall

Why Us?

Pioneers of Voice FW and Call Validation solutions

15+ years of market expertise

Market tested Call Validation Solution

GSMA-compliant Call Validation solution

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Interoperable with STIR/SHAKEN, GSMA Call Check, and other market solutions

Active Member of One Consortium and GSMA FASG working groups

Implemented in 5+ different markets (Russia, Tajikistan, Slovenia, Croatia, Kazakhstan)

Serving 10+ different commercial banks protecting 75 million bank clients

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Fraud Types Prevented

- CLI Spoofing
- Interconnect Bypass
- SIMBOX
- Vishing
- Social Engineering
- Robo Calls & Spam Calls

Real-Life Results

" In year 2020 we recorded **3.4 million complaints** yearly related to CLI spoofing. This number was significantly reduced with introduction of **Heksagon's** platform and overall combined with internal fraud prevention procedure **the financial impact of those attacks was reduced by 2,5 million USD quarterly.**

A Satisfied MNO Client,
Eurasia

Trusted by:

Kcell   TelekomSlovenije   TELE2   A1   telemach

...and over 30+ other MNOs worldwide!

Benefits for MNOs

- **Restore Trust in voice calling**
- **Prevent Revenue Leakages**
- **Unlock New Revenue Streams**
- **Improve User Experience and QoS**

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PROTECT
INTERCONNECT
MONETIZE

Powering the Future of Telco Operations:

- Fraud Detection and Prevention

- Routing and Interconnect Management

- Flash Call Prevention and Monetization

Get in Touch:

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