



ROAMSYS

SUCCESS STORY

SOLUTIONS

- Roamsys Network Configuration Optimizer
- Roamsys Wholesale Roaming Manager
- POST Luxembourg TIDS
- GSMA T-ISAC Fraud Platform



Introduction

SCOPE

Roaming Management
Service Openings
Network Configurations
Security & Fraud Protection

SOLUTIONS

Roamsys WRM
Roamsys NCO
POST Luxembourg TIDS
GSMA T-ISAC Fraud Platform

POST Luxembourg is one of the most innovative MNOs in Europe and impressively proves that operators from smaller markets can set high benchmarks for their counterparts from bigger markets. For POST this includes how the roaming business as well as fraud and security topics are managed. One concrete proof for this forward thinking is the Telecom Intrusion Detection System (TIDS), that POST has developed in-house as they did not find a fitting solution in the market. By today this tool is not only up and running within POST but has been successfully sold and implemented with larger operators from all over the world, to help them to efficiently combat fraud and increase their security levels.

CHALLENGE

POST Luxembourg has the same challenges when it comes to roaming than much larger MNOs. With 580 roaming partners the workload to manage service openings, test SIM cards, network configurations etc. is very huge, while at the same time the margins have gone down because of the regulations. In addition, the fast-changing roaming business constantly provides new challenges, e. g. through new services like 5G and LTE-M. To cope with all that POST has a very experienced roaming team and for more than 10 years successfully works with the RoamsysNext roaming management solutions. During that long cooperation the solutions have been constantly developed in line with the evolution of the industry and while POST has always been monitoring other offerings, a change of provider has never been an option.

RESULTS

ROAMING REVENUES **+15%**

WORKFLOW EFFICIENCY **+20%**

NETWORK ERRORS **-5%**

NETWORK CONFIG TIME **-85%**



Wholesale Roaming Manager (WRM)

“We are going live 2 – 4 weeks earlier and spend less time on each rollout.

This means we can run **80 – 100 additional service openings per year.**

This easily amounts to **EUR 150,000 – 200,000 in additional roaming revenues.”**

Alain Bach, Head of Roaming Development and Operation, POST Luxembourg

PARTNER MANAGEMENT AND SERVICE OPENINGS

With WRM, POST centrally manages all roaming partner information in one place. This includes connections, documents (AA.12, AA.13, RAEX, test files, CLLs, certificates, ...), contacts, SIM cards etc. In addition, POST organizes all service openings across all technologies, from GSM to 5G with the solution.

INCREASE IN ROAMING REVENUES

POST runs more service openings and reduces the time-to-market per launch. Estimated increase in launches and revenues: **15%**

BUSINESS INTELLIGENCE

Through automatic reports and visual graphics and statistics, POST has the full transparency on all roaming related processes to make strategic decisions to further develop the roaming business in line with the growing demands.

EFFICIENCY AND WORKFLOW IMPROVEMENTS

POST utilizes the workflow templates in the Rollouts module to efficiently manage roaming related tasks and to improve the communication processes. This includes a significant reduction of the e-mail exchange. Estimated efficiency improvement: **20%**.

KEY FIGURES

580 ROAMING PARTNERS

300+ ROLLOUTS PER YEAR

17K+ SIM CARDS

12K+ CONTACTS

22K+ DOCUMENTS



Network Configuration Optimizer (NCO)

“We get the updates in an easy-to-use format from the NCO tool – already filtered on our footprint and other individual relevance criteria that we defined. This **speeds up our network configs by 85%** compared to working with the IR.21s directly.”

*Rolf Regener,
Head of CS Core and IMS,
POST Luxembourg*

IR.21 PROCESSING, NETWORK CONFIGURATIONS AND SECURITY

POST relies on NCO to efficiently process IR.21 and IR.85 data. This includes network updates and audits as well as security screenings.

BETTER NETWORK QUALITY

The volume of updates that POST is continuously receiving cannot be managed manually. NCO enables POST to automate huge parts of the process to achieve the best possible network quality.

Estimated reduction of network errors: **5%**

CUSTOMER EXPERIENCE GUARANTEE

On the B2B side, POST offers its services to many large customers, including the European institutions and finance organizations located in Luxembourg. Highest availability of all roaming services is key – NCO plays a big part here.

HIGHER SECURITY STANDARDS

Having clear control of the network configurations and audits allows POST to maintain highest security standards and efficiently combat fraud. For this purpose, POST has also integrated the NCO solution with their own Telecom Intrusion Detection System (TIDS) monitoring platform.

ANNUAL KEY FIGURES

4K+ IR.21 SECTION UPDATES

3700+ NEW IP ADDRESS RANGES

44K+ NEW MSISDN NUMBER RANGES

9500+ NEW NETWORK NODES

500+ NEW GT NUMBER RANGES



Telecom Intrusion Detection System (TIDS)

“As mobile network technologies are constantly changing, so are the associated threats.

Our own platform in combination with the data from the GSMA T-ISAC Fraud Platform and the Roamsys solution has us well prepared.”

*Alexandre de Oliveira,
Telecom Security Expert,
POST Luxembourg*

SECURITY AND FRAUD PROTECTION

TIDS is a real-time passive monitoring platform for roaming and inter-connect signaling traffic to detect fraud and attacks. The system has been built by an MNO (POST Luxembourg) for MNOs – successful installations with multiple operators have proven the value of the tool.

REAL-TIME DETECTION

TIDS automatically detects and alerts about actual ongoing threats in real-time and helps to protect an MNO’s core network, assets and subscribers from cyberattacks.

360-DEGREE PROTECTION

The TIDS platform covers all known attack categories and technologies: SS7, Diameter and GTP-C.

GSMA T-ISAC FRAUD PLATFORM COMPATIBLE

The GSMA T-ISAC Fraud Platform provides valuable data on various fraud numbers, IPs and other security related incidents. This data can be automatically fetched by the customer via API from the platform – and of course, can also be integrated into TIDS.

KEY FIGURES

4

CONTINENTS
PRESENCE

100M+

SUBSCRIBERS
PROTECTED

100K+

DETECTED
ATTACKS
PER DAY

SIGNALING FRAUD
AND SECURITY

UNIQUE THREAD
ACTOR DATABASE

ABOUT POST LUXEMBOURG

POST Luxembourg is the leading operator of telecommunications and postal services in Luxembourg. Other activities include financial and philatelic services. As Luxembourg's biggest employer, POST can be proud to rely on nearly 4,700 committed employees of 50 different nationalities. At €480 million, the telecommunications sector contributes almost 60% of the group's revenue.

ABOUT ROAMSYS

We are an independent tech company facilitating mobile operators and connected companies via a large-scale software-as-a-service platform. Based on more than ten years of experience, our sophisticated software solutions help operators to establish a smooth, secure and reliable roaming collaboration process. Over 120 customers in more than 90 countries worldwide put their faith in our products. We are the GSMA's exclusive provider of RAEX solutions since 2009.



Roamsys S.A.
13 Fausermillen
L-6689 Mertert
Luxembourg

roamsys.com
+352 2674 0020

