num-iD



# Numerical intelligence for telecom.

Identify the network. Verify the line. Globally.

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ROUTING · VALIDATION · FRAUD MITIGATION · IDENTITY & VERIFICATION

WHO WE ARE

# Built for telecom traffic at global scale.

**<300ms p95**

**MNP response**

from regional PoPs

**<800ms p95**

**HLR response**

from regional PoPs

**100+**

**Countries in production**

MNP and HLR data

**99.95%**

**Success ratio**

SLA-backed

num-iD provides real-time number intelligence and routing data to the world's leading telecom operators, messaging hubs and identity platforms. Independent, focused on telecom data only, and engineered for throughput.

### Telecom-only

Focused product, no distractions.

### Engineering-first

Built by engineers, not BD.

### Independent

No parent-co. Customer-led roadmap.

### Human support

Real engineers on the line, never a chatbot.

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# From Corporate to global B2B.

## 2022

### Founded with a Corporate focus.

Tier-1 enterprise customers in finance and telecom drove us to build our own **MNP databases in Europe and the Americas**, plus **proprietary SS7 capacity for live HLR**.

*Pan-European bank · Global SMS aggregator · Pan-American MNO*

## 2024

### Launched the B2B line.

Brought the same intelligence to aggregators, CPaaS, MNOs, contact centers and fintech / ID&V — *the prospection markets you'll see throughout this deck.*

*Aggregator hubs · CPaaS platforms · MNOs · Fintech ID&V*

## 2025

### First full year of traction.

**1.6B+**
QUERIES SERVED

**$3.2M**
ARR

**12**
ENTERPRISE CUSTOMERS

**4**
CONTINENTS

WHAT WE DO

# We turn a phone number into an accurate routing decision.

01

### MSISDN in

A single phone number, any country, any format. We accept E.164, national, with or without prefix.

02

### num-iD API

One GET, normalized JSON, sub-second from the nearest PoP. Authenticated by source IP — no keys to rotate.

03

### Decision out

Operator code, MCC/MNC, ported indicator, release code — everything you need to route, validate or verify.

**REQUEST**

```
GET api.num-id.com/query/34630081191?service=mnp
```

287 ms

**RESPONSE · 201**

```
"oc": "ES" · "on": "TELEFÓNICA" · "pdi": true · "rc": "1-00"
```

WHO USES US

# The data layer behind global routing and verification.

### Carriers & interconnect

Route voice and SMS to the correct terminating network.

### A2P messaging hubs

Validate destinations before send; protect deliverability KPIs.

### MNOs and MVNOs

Identify portability and roaming context for traffic decisions.

### CPaaS and voice

Lower PDD, raise ASR — at scale.

### Contact centers

Clean lists before dial-out; cut wasted agent capacity.

### Fintech and ID&V

Verify the line during sign-up and KYC; stop ATO fraud.

THE PROBLEM

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# Phone numbers shift.
# Your data probably hasn't.

ROUTING

## 40%+

**PORTED**

Range data points to the wrong operator.

VALIDATION

## ~17%

**DISCONNECTED**

A2P traffic billed for SMS that never land.

FRAUD



## Daily

**SIM SWAPS**

OTPs and logins from accounts no longer in the user's hands.

Same root cause. **One API call** resolves it for all three.

OUR APPROACH

# One input. Two answers.

A single HTTPS endpoint, normalized JSON, sub-second. One MSISDN goes in, full routing intelligence comes back.

## Identify MNP

### Which network owns this number today.

Authoritative network ownership for any MSISDN, accounting for portability. Returns operator code, MCC/MNC, ported indicator, release code — everything you need to route correctly.

- `"oc"` operator code
- `"mcc/mnc"` network ids
- `"pdi"` ported indicator
- `"rc"` release code

## Verify HLR

### Is this number alive right now.

Live-network reachability against the real mobile network. Returns subscriber status, roaming context, current serving network — everything you need to validate before sending.

- `"st"` subscriber status
- `"rn"` roaming network
- `"sn"` serving network
- `"reach"` reachability

USE CASE · 01 · VOICE ROUTING

# Voice routing without the billing surprises.

Range data tells you where a number was born. By the time the call connects, the subscriber may have moved networks twice. Here is what one call looks like through num-iD.

01 · THE CALL ARRIVES

### A customer dials a B-number.

Range data says Operator A. You'd route there by default — and pay a cross-network surcharge if you're wrong.

```
INVITE · B-number 34 660 xxx xxx
```

02 · NUM-ID RESOLVES

### Sub-second MNP lookup.

The number was ported 14 months ago. It now lives on Operator B. We return the live MCC/MNC in under 300 ms.

```
GET /query/...?service=mnp → oc, mcc, mnc, rc
```

03 · ROUTE TO LIVE NETWORK

### You route to Operator B.

No off-net surcharge. Lower PDD. Higher ASR. The call connects on first try, and the billing matches the leg.

```
SIP route → Operator B · on-net leg
```

**PDD**

Post-Dial Delay · time-to-ring

~~3.2 s~~ → 1.4 s

**−56% latency**

**ASR**

Answer-Seizure Ratio · % calls answered

~~78%~~ → 91%

**+13 pp answered**

**SURCHARGE**

Avoided off-net cost · Western EU + LATAM mix

~$0.007 / min saved

**~$84k / yr at 1B min**

*Reference figures from a representative Tier-2 carrier mix on Western EU and LATAM routes.*

USE CASE · 02 · FINTECH & ID&V

# Stop fraud the moment a number tries to authenticate.

Every fintech journey has four high-risk moments where a phone number is the credential. num-iD becomes the guard-rail at each one.

TOUCHPOINT 01

### Sign-up

**Verify reachable**

Is the line live? Block **100% of made-up numbers** before they ever reach the funnel.

TOUCHPOINT 02

### OTP & login

**SIM-swap check**

Was the SIM swapped in the last **24 hours**? Pause high-risk OTPs and step up.

TOUCHPOINT 03

### High-value txn

**Live network**

Confirm the number is on its real home network. Stop spoofed auth **before the wire moves**.

TOUCHPOINT 04

### Account recovery

**Ownership check**

Has the number been ported recently? Block password resets to **just-ported lines**.

ILLUSTRATIVE SCENARIO

**A digital bank with 2.4M monthly authentications, with num-iD Verify on every sign-up, OTP and high-value transaction.**

**~24,000** blocked fraud events / year · **~$58** avoided loss per blocked event · based on neo-bank ATO benchmarks.

ESTIMATED ANNUAL FRAUD AVOIDED

**~$1.4M / year**

vs. cost of pre-checks on 2.4M auths · **net 10-20× ROI**.

*Illustrative scenario based on representative neo-bank fraud benchmarks.*

USE CASE · 03 · ROI FOR A2P

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# ROI for a high-volume A2P operation.

| Profile | Volume | Destinations | Avg termination cost |
|---|---|---|---|
| Regional A2P SMS aggregator | 10M SMS / month | MEA + LATAM mix | $0.10 / SMS |

### WITHOUT NUM-ID

- ~17% delivery failure (typical for high-cost mixed destinations)
- 1.7M failed SMS per month
- Failed sends still billed at full cost

**$170,000** /mo

Wasted on failed sends

### WITH NUM-ID VERIFY PRE-CHECK

- 14% identified as inactive before send
- 1.4M SMS not sent → $140,000 saved
- Cost of pre-validation: $0.0008 × 10M = $8,000

**$132,000** /mo

Net savings · **$1.58M / year**

*Sample scenario based on industry benchmarks. Plus secondary gains: deliverability metrics, lower fraud, regulatory compliance.*

MULTI-COUNTRY VIEW · 10 EMERGING-MARKET DESTINATIONS

# Across your global mix.

Verify catches dead and ported-out numbers **before** the SMS is sent. The savings shown are the **SMS termination cost you don't pay** for messages that would have failed anyway. Same Verify pre-check, applied across 1M queries per country.

| COUNTRY | SMS SPEND AVOIDED · PER 1M QUERIES | NET |
|---|---|---|
| Indonesia | | $49.000 |
| Nigeria | | $38.900 |
| Pakistan | | $35.400 |
| Egypt | | $31.000 |
| Philippines | | $26.850 |
| Bangladesh | | $22.400 |
| Vietnam | | $21.260 |
| Kenya | | $20.350 |
| UAE | | $12.280 |
| Mexico | | $6700 |
| 10 countries | 2,410,000 not-sent · $278,140 gross - $14,000 Verify | $264,140 |

PILOT · 10M QUERIES

| | |
|---|---|
| Gross savings | $278,140 |
| Verify cost · $0.0014 × 10M | -$14,000 |

NET SAVINGS · 10M QUERIES

**$264,140**

ANNUALISED AT 30M / MO

~**$9.5M** / year potential

$264,140 × 36 months of run-rate · same mix

*Illustrative scenario based on representative termination rates. Per-customer mix and rates will vary. Verify priced at $0.0014 / lookup (10M+ band).*

WHY US

# Why work with num-iD.

**01**

DIFFERENTIATOR

**Engineering-first.**

Founders are telecom engineers. New country or data set integrated in **<2 weeks**, not quarters.

**02**

DIFFERENTIATOR

**Immediate, human support.**

When you call or write, a real engineer responds — never a chatbot, never a ticket queue. **Direct line to the team that built the product.**

**03**

DIFFERENTIATOR

**Independent.**

Single-purpose company. No parent-co, no platform lock-in. **Your roadmap drives ours.**

**04**

DIFFERENTIATOR

**Telecom-only.**

We don't try to be a generic API gateway. **<300 ms p95, 99.95% success** — proven, not promised.

SOLUTIONS SUMMARY

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# Four services. One endpoint.

Four building-blocks behind a single GET. Pick one, pick all — the integration is the same.

## NRI — VALIDATE

**Format + range allocation check.**

The cheapest first gate · sub-100 ms · no SS7 cost.

Sign-up · A2P pre-screen · Voice pre-dial

## MNP — IDENTIFY

**Live operator after portability.**

Cached <30 ms · live <200 ms · ported indicator + MCC/MNC.

Voice routing · A2P delivery · OBR billing

## HLR — VERIFY

**Live network status.**

Reachability + roaming context + current serving network.

OTP / login · KYC · A2P pre-send · IDV

## BUNDLE — ALL-IN

**All of the above + ATO signals.**

Port history · Mobile API flags · Domestic datasets for compliance

Fintech ID&V · ATO prevention · Recovery flows

**1 GET endpoint** `api.num-id.com/query/<n>?service=<svc>` auth by source IP · no SDK · no callbacks

HOW WE DELIVER

# Production-grade in hours, not weeks.

- **Single GET endpoint** no SDK to import, no callbacks to wire
- **Auth by source IP** zero credentials in your code
- **Regional PoPs** request lands at the nearest one
- **HTTP/2 + keep-alive** persistent connections, low per-request overhead
- **99.95% SLA** backed by real-time monitoring
- **Integration in <1 day** for most stacks

Sample request · Identify (MNP)

```
curl -s "https://api.num-id.com/query/34630081191?service=mnp" \
  -H "Accept: application/json"

# Response (HTTP 201)
{
  "tn":  "34630081191",
  "oc":  "ES",
  "mcc": "214",
  "mnc": "07",
  "on":  "TELEFÓNICA MÓVILES ESPAÑA",
  "pdi": true,
  "rc":  "1-00"
}
```

CUSTOMER PORTAL

# See your traffic. Manage your account. In real time.

Every customer gets a private portal at **portal.num-id.com** — operate without writing tickets.

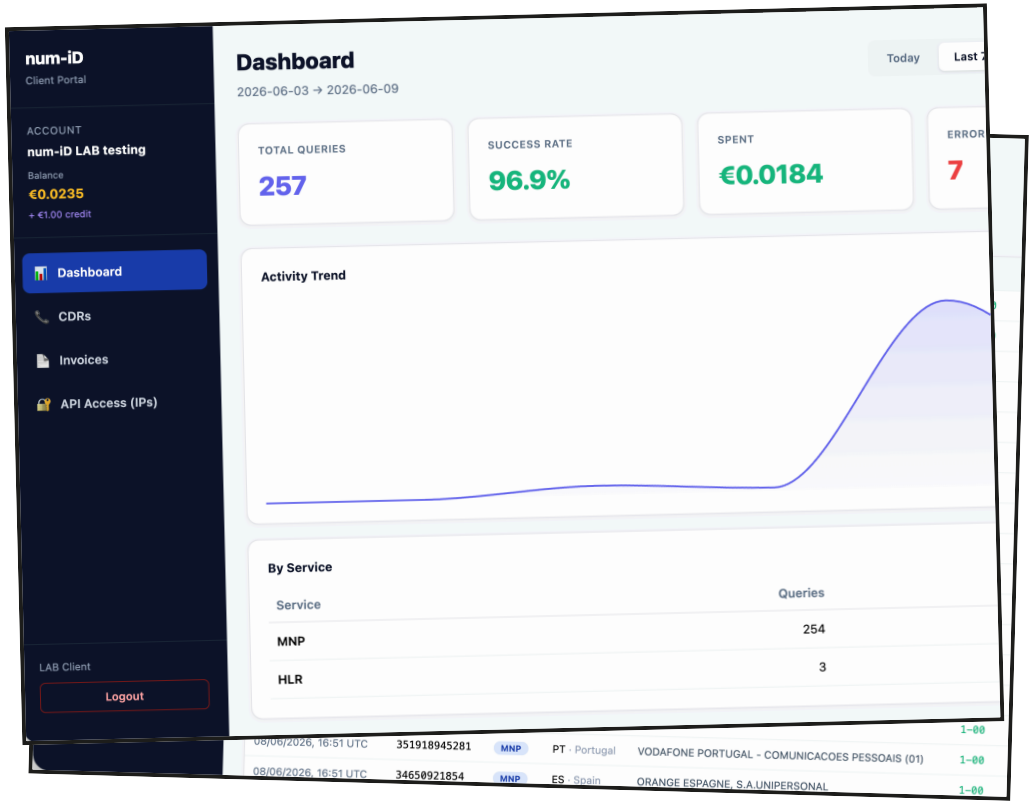
**Live traffic dashboard.**
Total queries, success rate, spend and errors — by day, by service, in real time.

**Invoice downloads.**
All your billing history, exportable as PDF or CSV. No back-and-forth with finance.

**Per-query detail.**
Drill into every query: number, service, operator, release code, cost.

**IP allowlist for API access.**
Add, remove and rotate the source IPs that can hit your endpoint — self-service.

**Live balance.**
Prepaid balance and credit at a glance — no surprises at the end of the month.



NEXT STEPS · TRY IT NOW

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# Try it from your terminal in 60 seconds.

**01** **Send your source IP**

One email. We whitelist it on our edge — no portal, no form.

**02** **We send your endpoint**

Auth by IP. No credentials in your code, no SDK to vendor.

**03** **You curl it**

Live response from a real PoP — <300 ms p95.

**04** **Run it on your traffic**

Send us a sample of your real numbers. We send back the table.

$ live in 60 seconds

```
curl -s "https://api.num-id.com/query/34630081191?service=mnp" \
  -H "Accept: application/json"

# Response (HTTP 201) · 287 ms
{
  "tn":  "34630081191",
  "oc":  "ES",
  "mcc": "214",
  "mnc": "07",
  "on":  "TELEFÓNICA MÓVILES ESPAÑA",
  "nt":  "mobile",
  "pdi": true,
  "pi":  false,
  "rc":  "1-00"
}
```

**Send your source IP to** `hello@num-id.com` **— be live in 60 seconds →**

num-iD

# Phone numbers move.
# We move first.

Identify the network. Verify the line. Globally.


**EMAIL**

hello@num-id.com

**LINKEDIN**

linkedin.com/company/num-id

**ADDRESS**

Digital Works Business LLC · 407 Lincoln Road Suite 12 N · 33139 Miami Beach, FL — USA