QiTASC Zero-Touch End-to-End Test Project Catalogue

A practical guide for OPCOs, PMs, Test Managers and Quality Engineers — how one extensible ecosystem covers acceptance, regression, monitoring, device, UI, interface, charging and load testing.

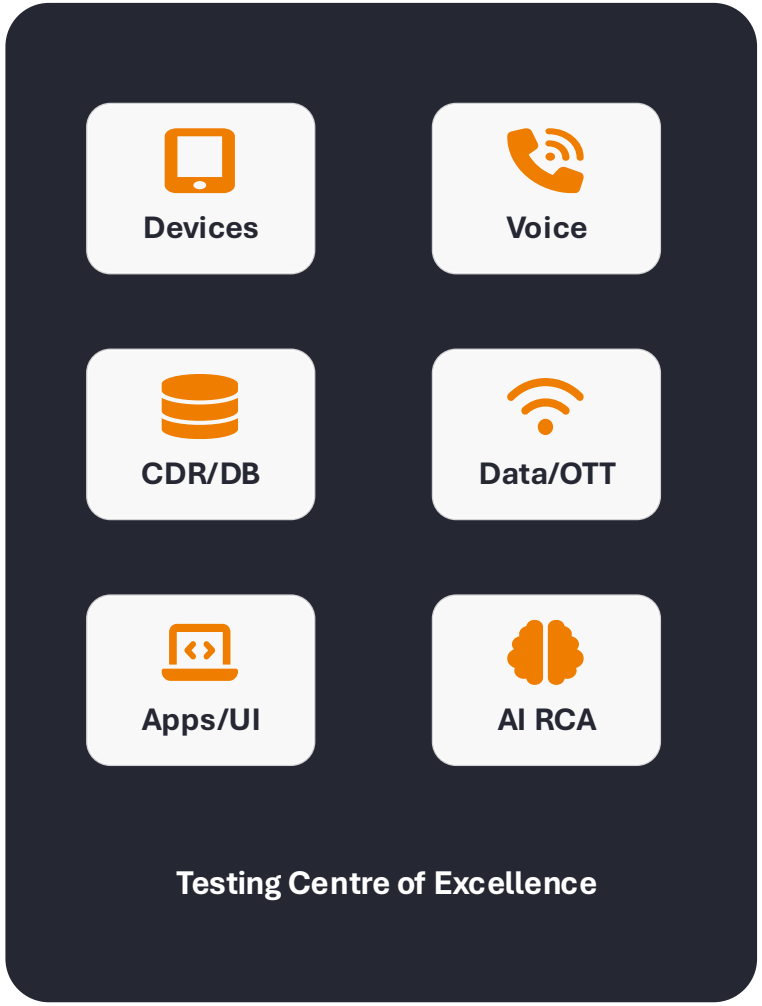
One platform, not a toolbox

Coordinates real devices, lab hardware, interfaces, evidence, AI and reporting.

Zero-touch
automated execution

Evidence
every run, every channel

Extensible
services, devices, sites



One ecosystem for the full OPCO testing lifecycle

Start with one project, then extend month by month: services, devices, sites, interfaces, evidence and AI analysis.

For project managers

Predictable scope, delivery evidence, release gates and stakeholder reporting.

For test managers

Reusable libraries, resource-aware scheduling, multi-site execution and lower regression effort.

For quality engineers

Deep technical proof: devices, traces, CDRs, DB states, logs, screenshots, audio and KPI measurements.

Message: QiTASC is a Testing Centre of Excellence platform that coordinates tools and evidence <> not a detached toolbox.

Capability model: every channel, every interface, every artifact

QiTASC executes the customer journey, touches the technical systems and produces a defensible verdict.

Operate channels

- Mobile · iPhone · iPad
- VoIP · POTS · ISDN
- CPE · routers · IoT
- Apps · Web UIs · OTT

Configure systems

- OSS/BSS workflows
- Service & subscriber data
- Lab hardware & 3rd party tools
- POS · HLR/HSS
- OCS/CCS Service & subscriber settings, e.g. balance

Collect artefacts

- Collect network traces
- Collect device traces
- Collect CDRs & EDRs
- Collect network configurations
- Collect subscriber/service dumps

Verify evidence

- CDR/EDR and rater checks
- PCAPs · traces · logs
- DB entries · subscriber dumps
- Speech quality · screenshots
- Data measurements

Integrate AI

- Root Cause Analysis
- Intent Based Testing
- AI Based rule generation
- AI Tester-Bot
- Train & fine tune models

Reports & Dashboards

- Generate reports
- Collect KPIs
- Create Dashboards
- Report decisions

Generate traffic

- Calls · SMS/MMS · USSD
- Data sessions · APN/DNN
- Netflix · WhatsApp · Teams
- SIP/HTTP/Diameter simulation

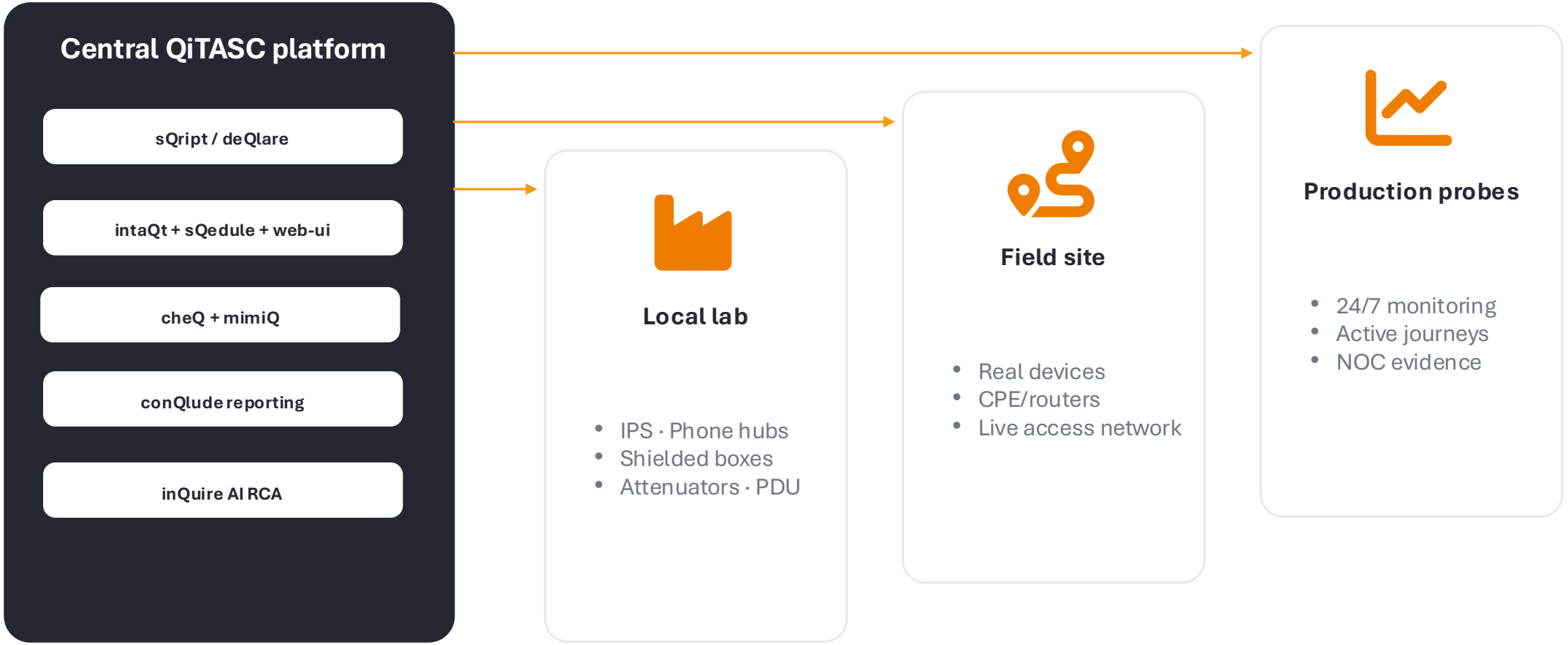
Integrate Systems

- Integrate 3rd party hardware & services
- Integrate measurement systems
- Integrate processes and tools, e.g. git, inteliJ

The same capability model is reused per project type — the scope changes, not the platform.

Distributed zero-touch architecture

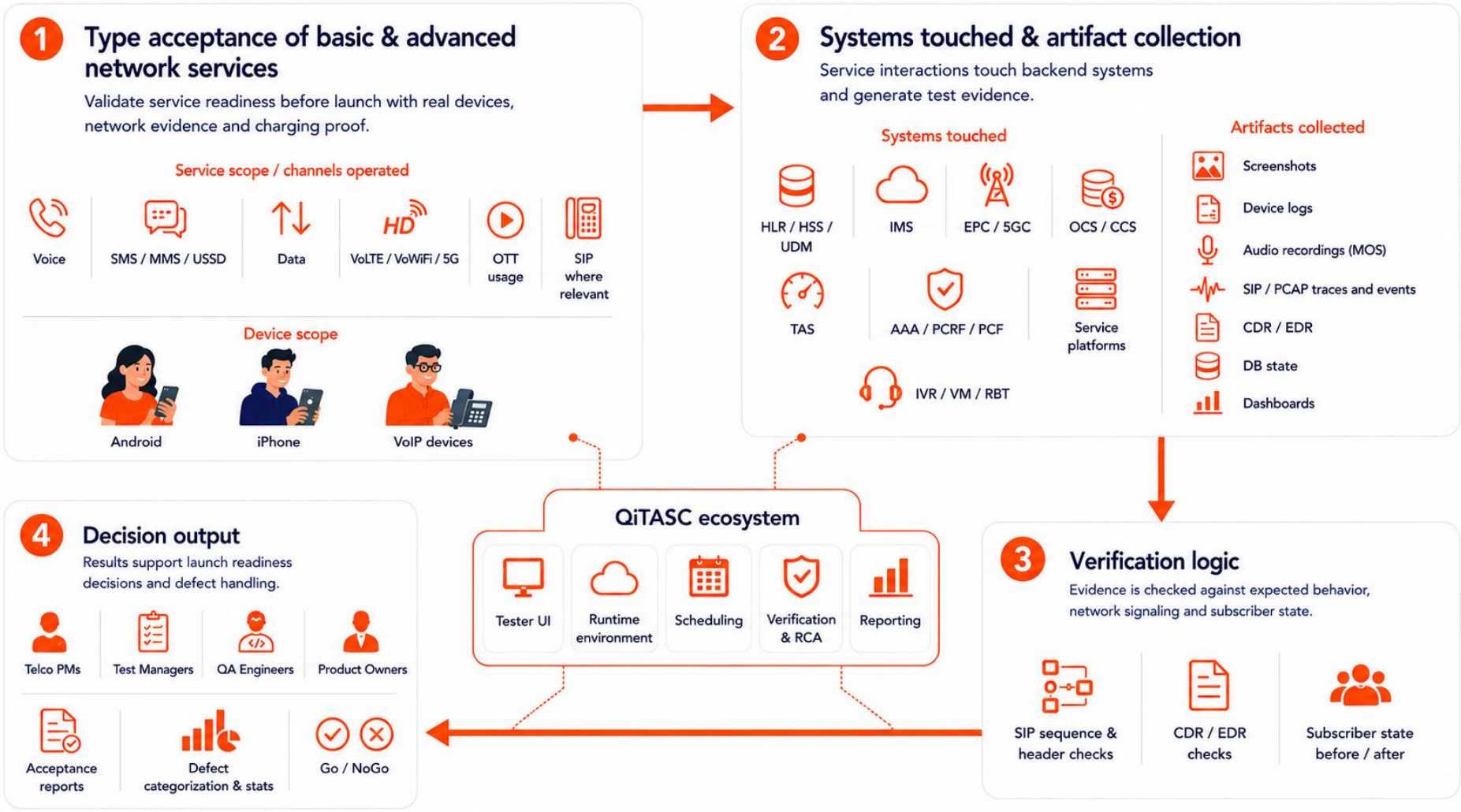
Central test logic and governance — local execution close to the devices, sites, labs and production networks.



Runs project-specific: customer premise, QiTASC cloud, on-prem, hybrid, lab or production — with multi-tenancy and secure remote access.

Project type 1 — Type acceptance of basic & advanced network services

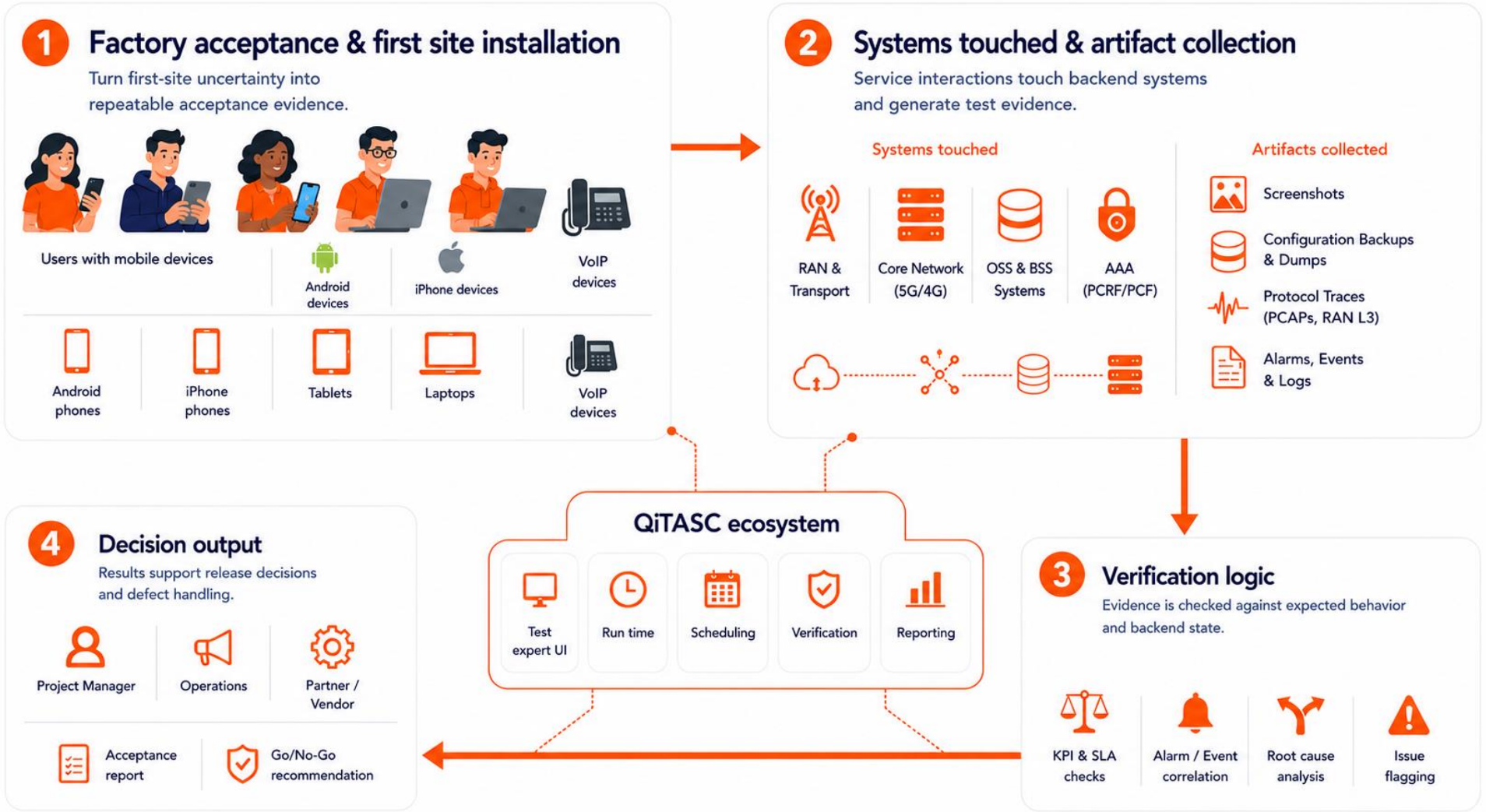
Prove that a new or changed basic service works before it reaches customers.



From “service seems to work” to “service is proven end to end”.

Project type 2 — Factory acceptance & first site installation

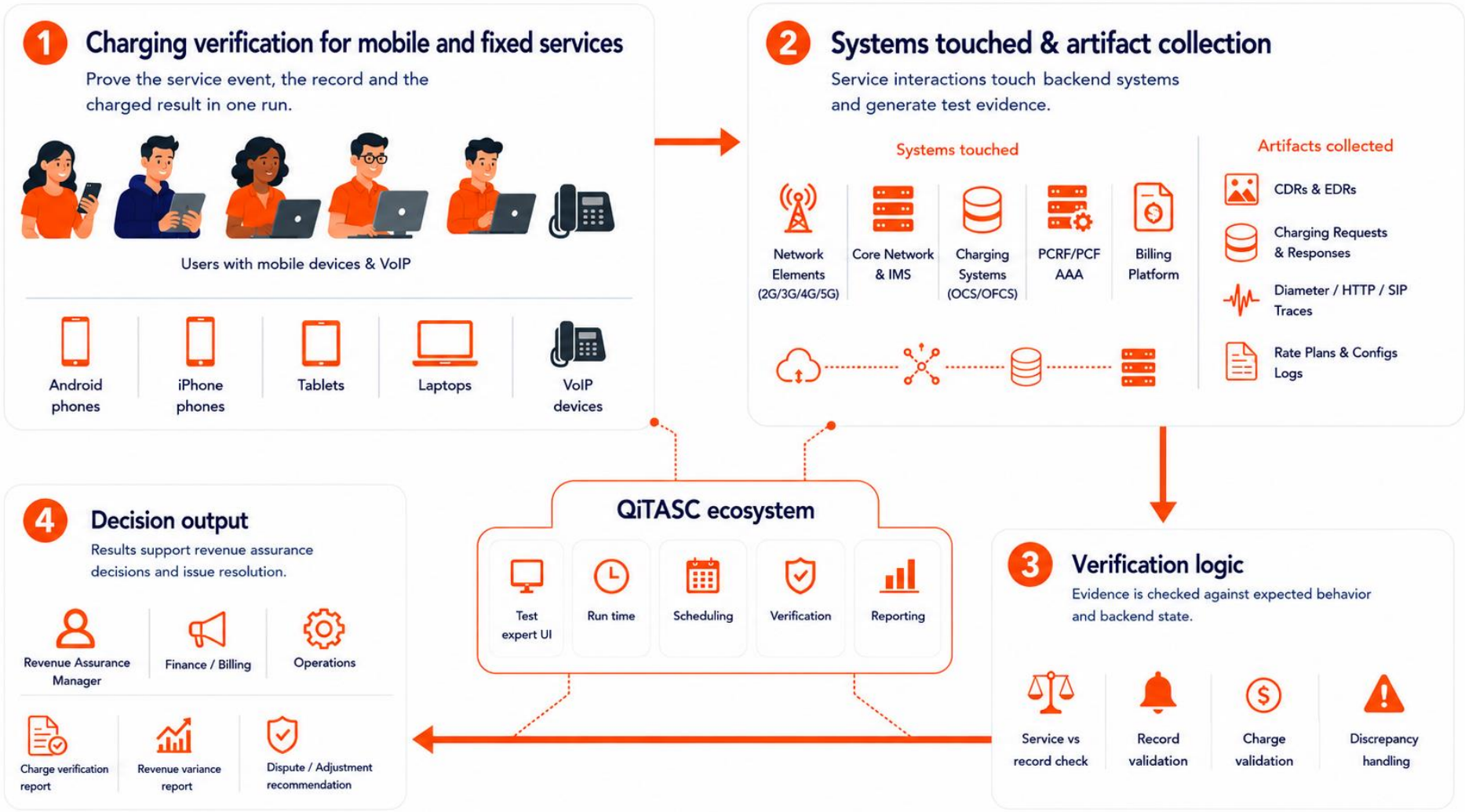
Delivery status per vendor, release package, site and service dependency.



Every first installation becomes a reusable rollout pattern.

Project type 3 — Charging verification for mobile and fixed services

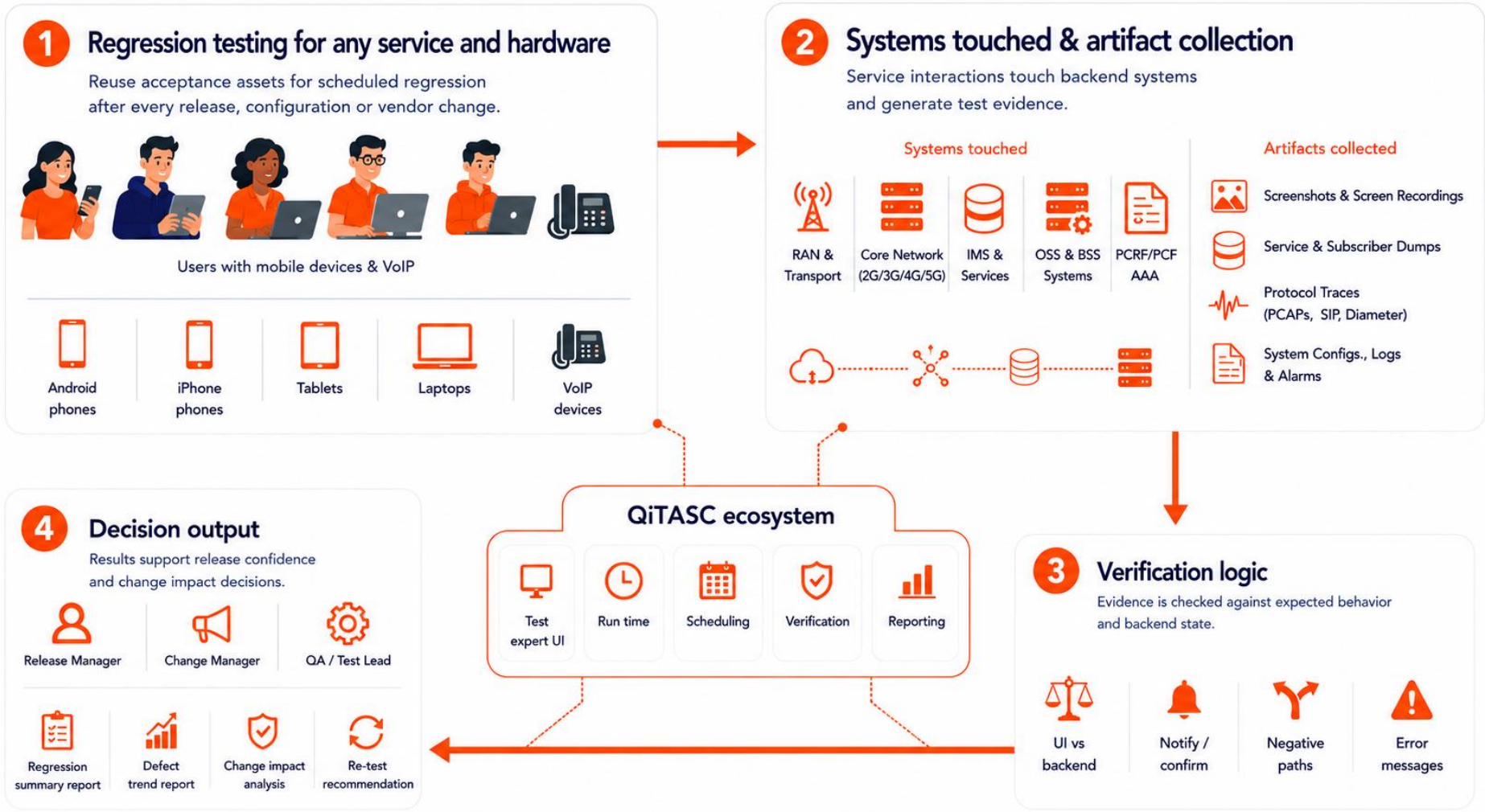
Revenue assurance evidence for engineering, finance, audit and partner disputes.



Not only “the call worked” — also “the charge is correct”.

Project type 4 — Regression testing for any service and hardware

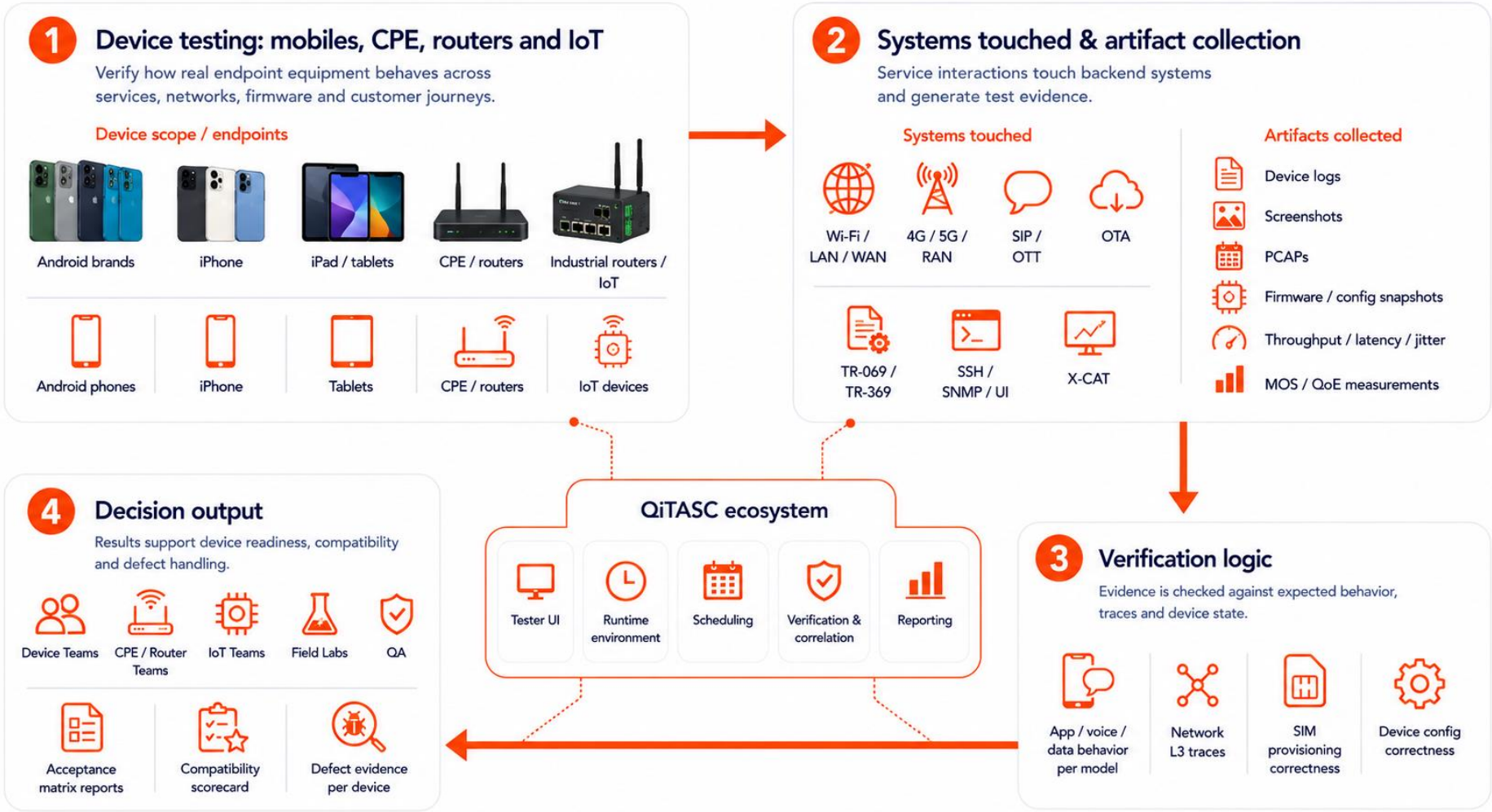
Run the same business-critical journeys again and again with no manual rebuild.



The test suite becomes a living service quality baseline.

Project type 5 — Device testing: mobiles, CPE, routers and IoT

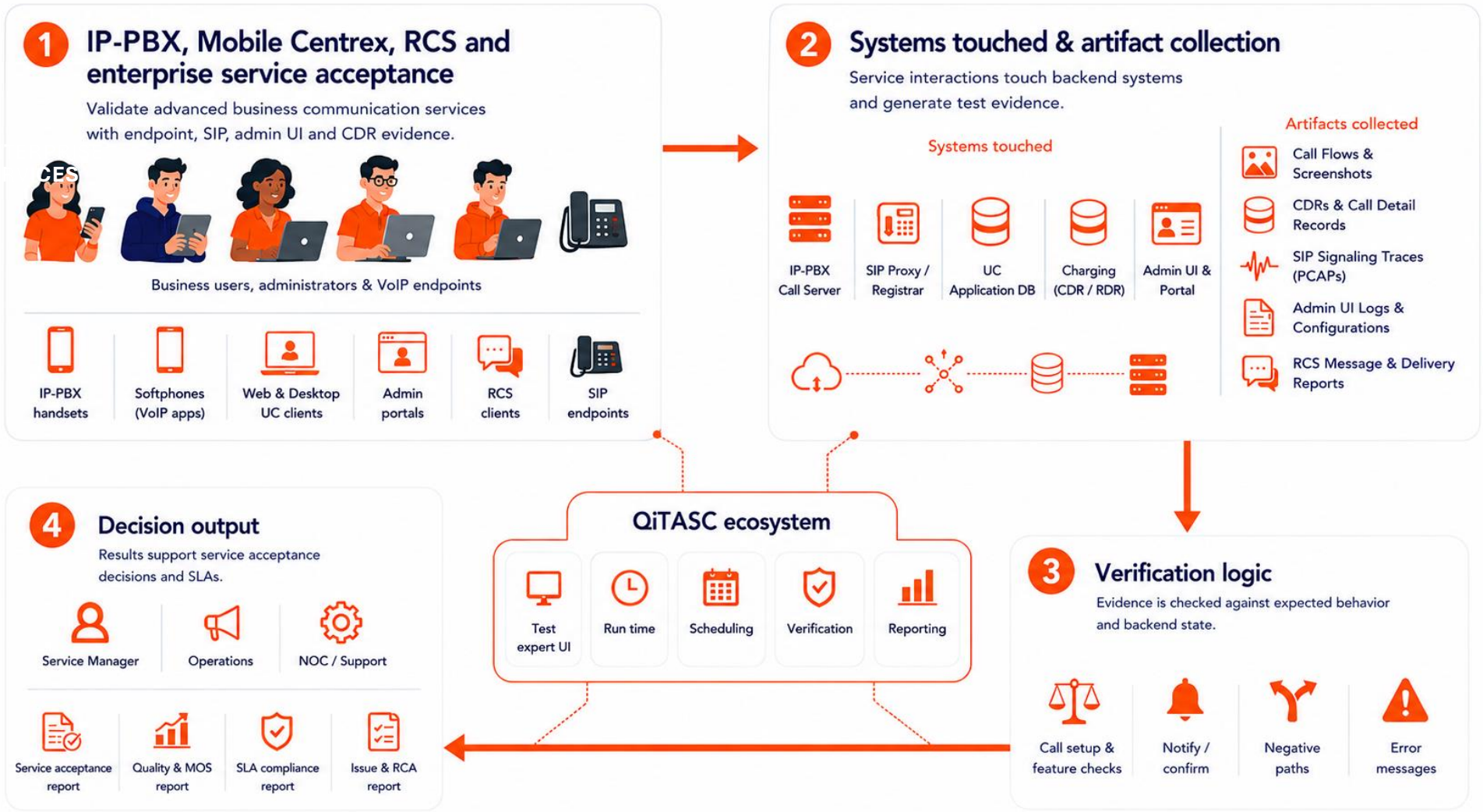
Find device and interoperability defects before users and field teams do.



Real devices, real networks, real customer behavior — automated.

Project type 6 — IP-PBX, Mobile Centrex, RCS and enterprise service acceptance

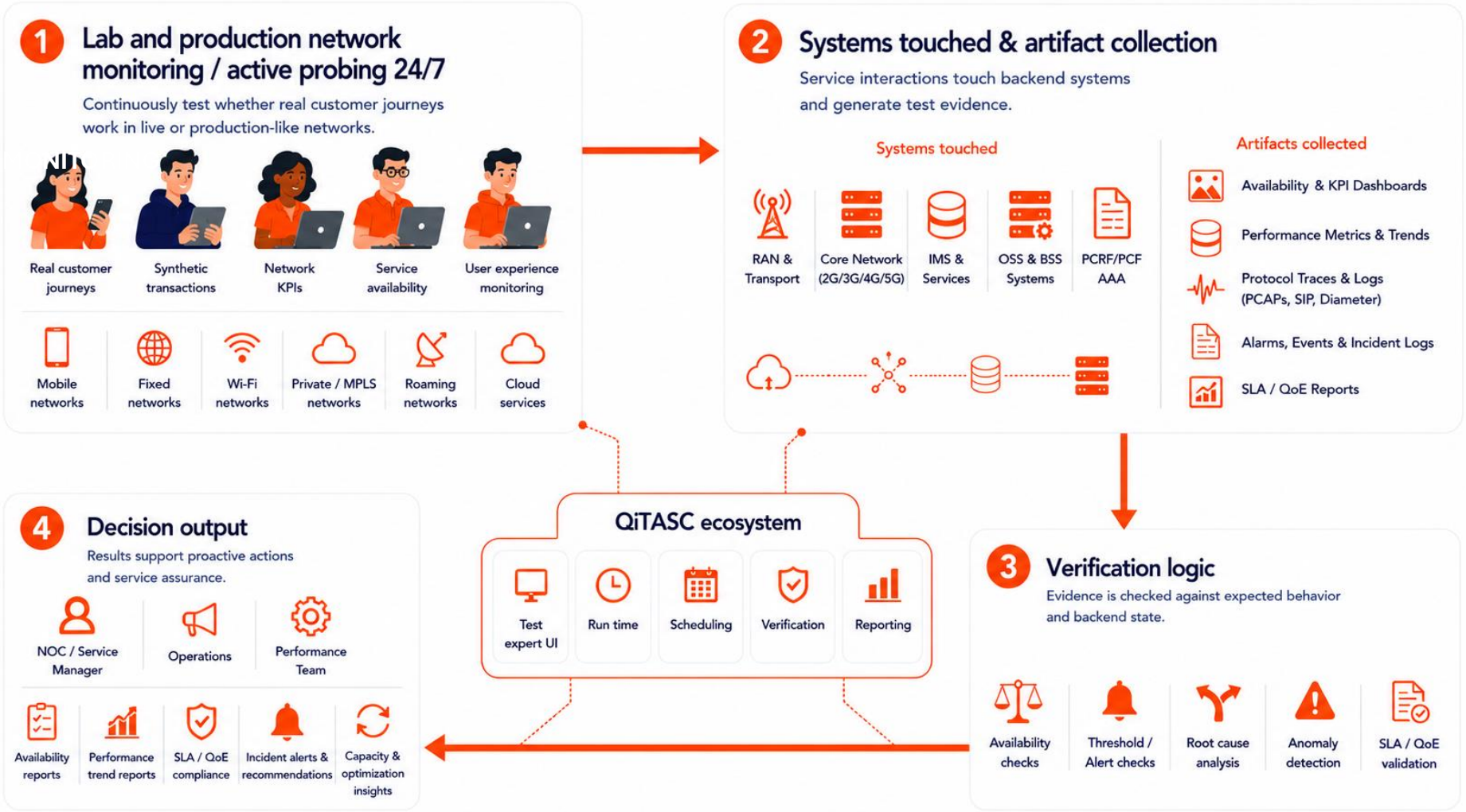
Prove enterprise telephony logic across users, devices, profiles and routing rules.



Enterprise services are tested as service journeys, not as isolated call legs.

Project type 7 — Lab and production network monitoring / active probing 24/7

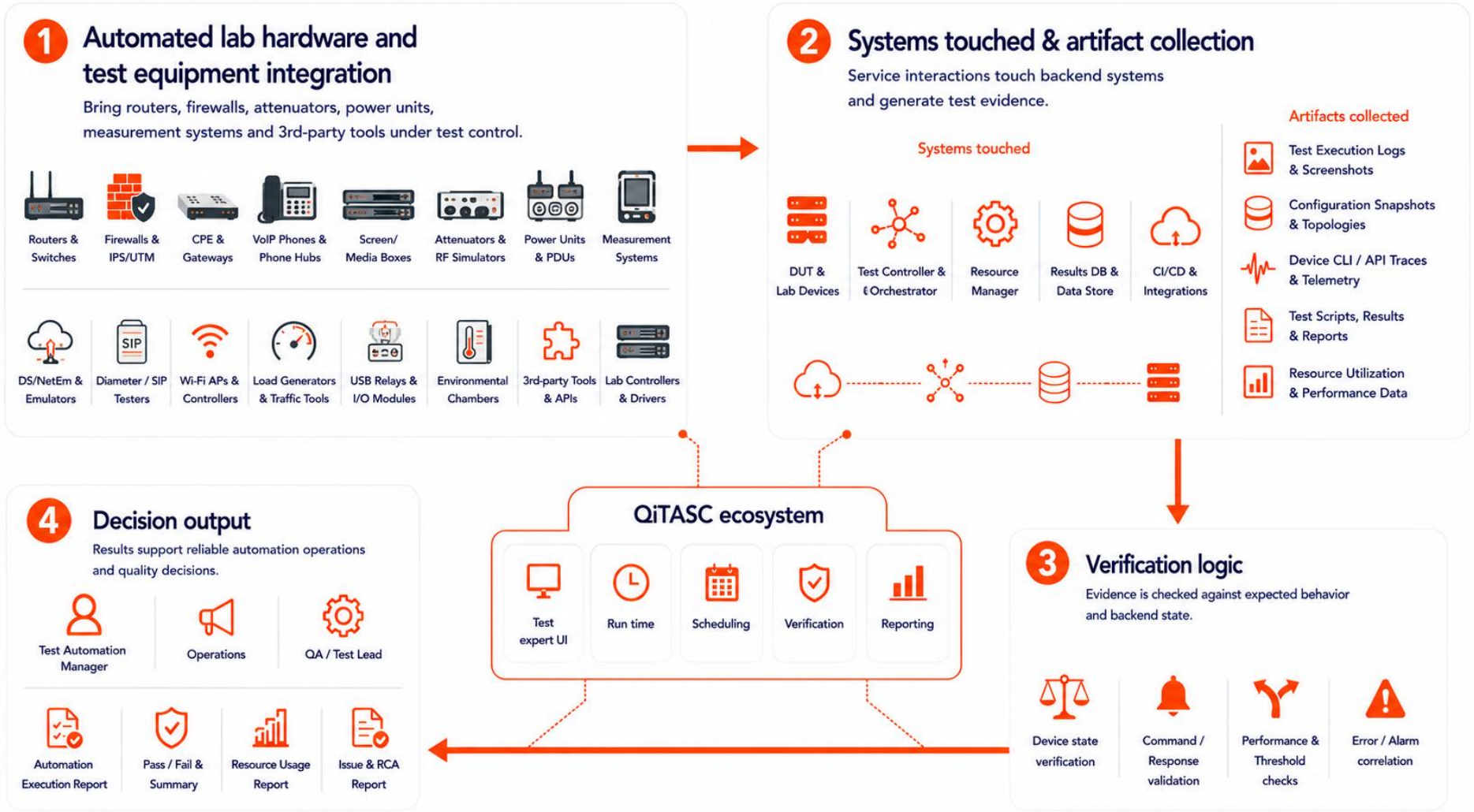
Detect service degradation before customers, NOC or business teams are surprised.



Monitoring moves from infrastructure status to real customer experience.

Project type 8 — Automated lab hardware and test equipment integration

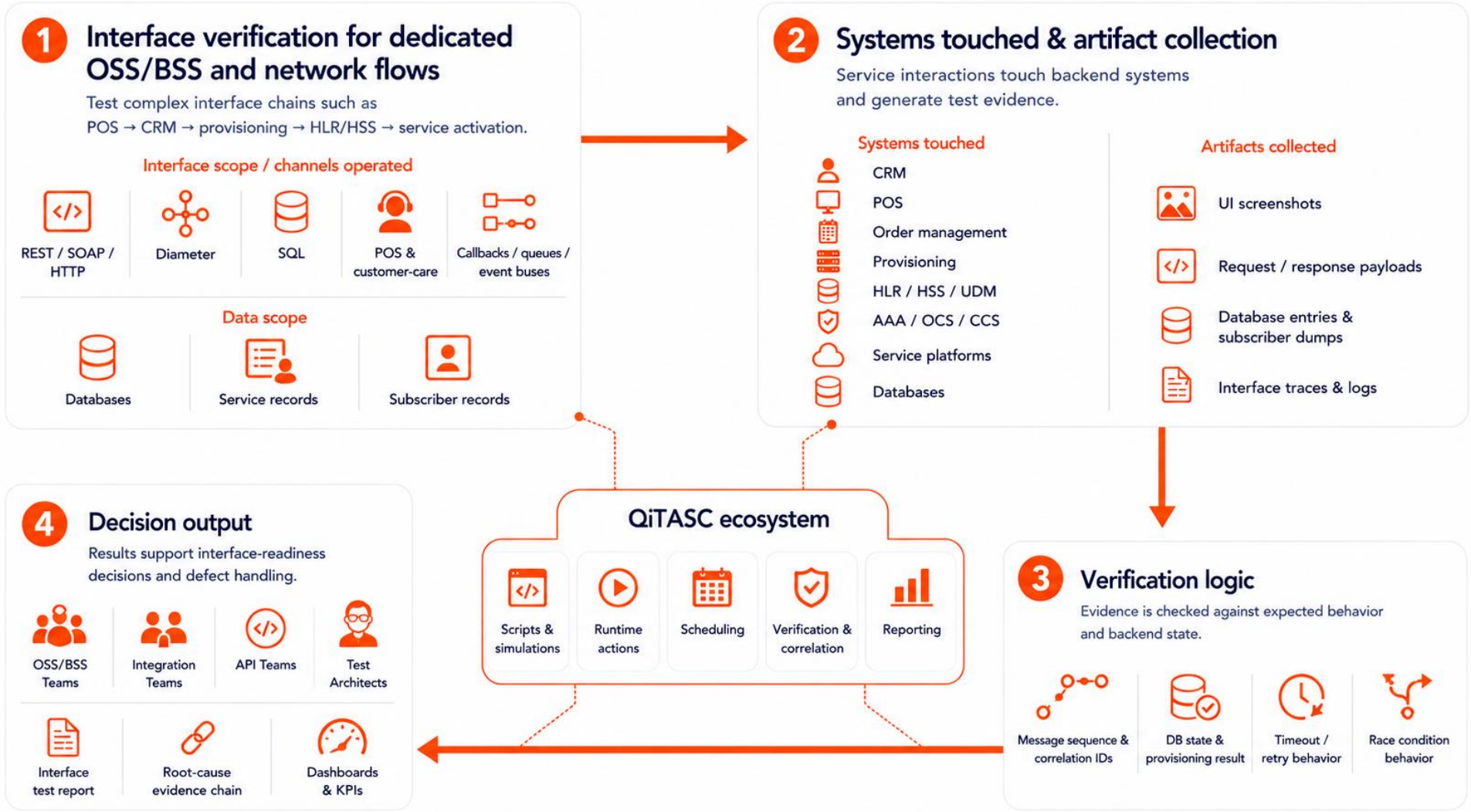
Make the lab deterministic: configuration, measurement and reset are automated.



The test environment becomes part of the test case.

Project type 9 — Interface verification for dedicated OSS/BSS and network flows

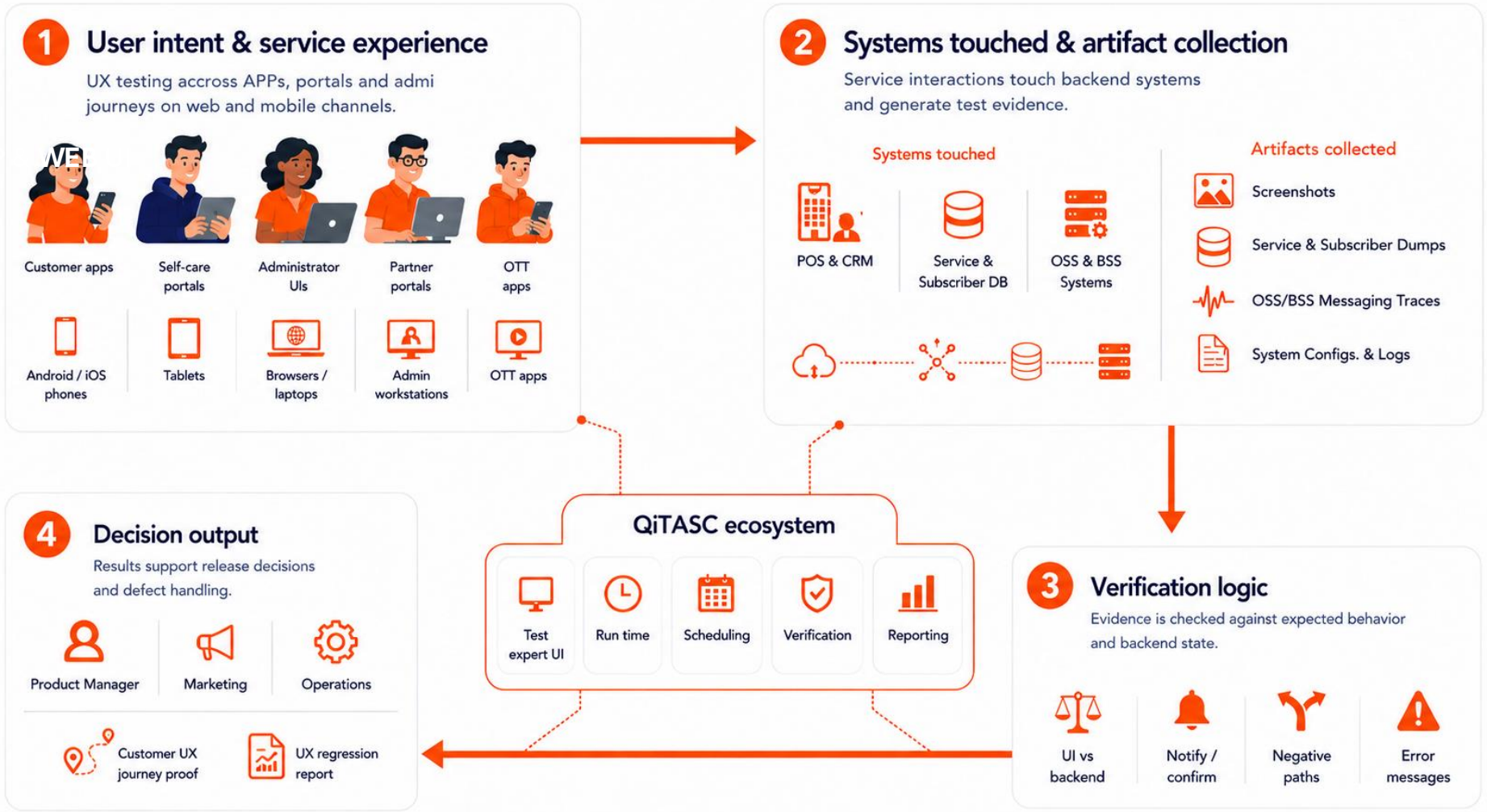
Validate interface behavior, backend state and service outcome in one automated flow.



Every interface is tested together with the business outcome it should create.

Project type 10 — Telco apps, self-care Web-UI and administrator UI automation

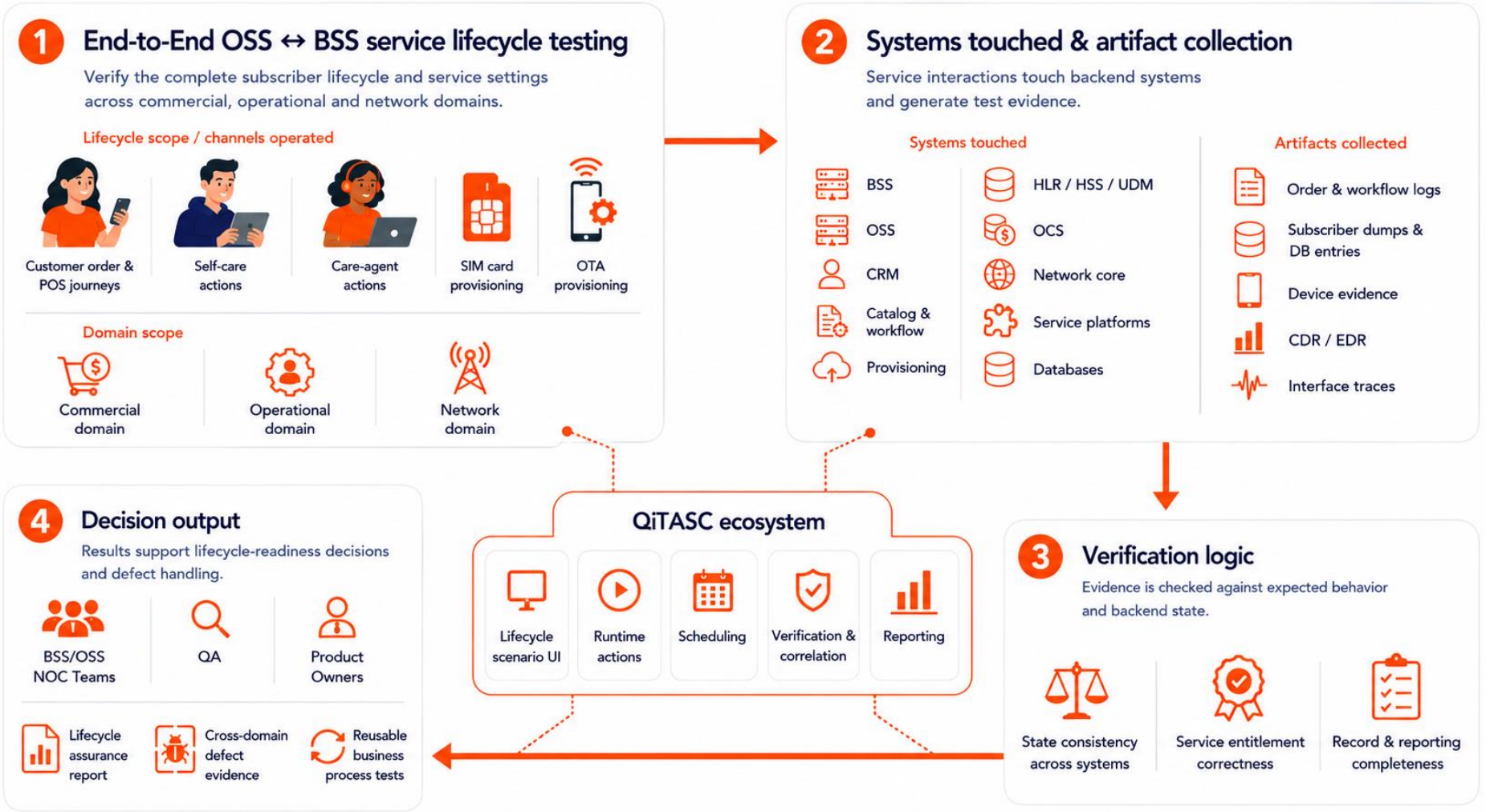
Prove what customers, agents and administrators actually see and do.



If a human can use the channel, QiTASC can automate and verify it.

Project type 11 — End-to-End OSS ↔ BSS service lifecycle testing

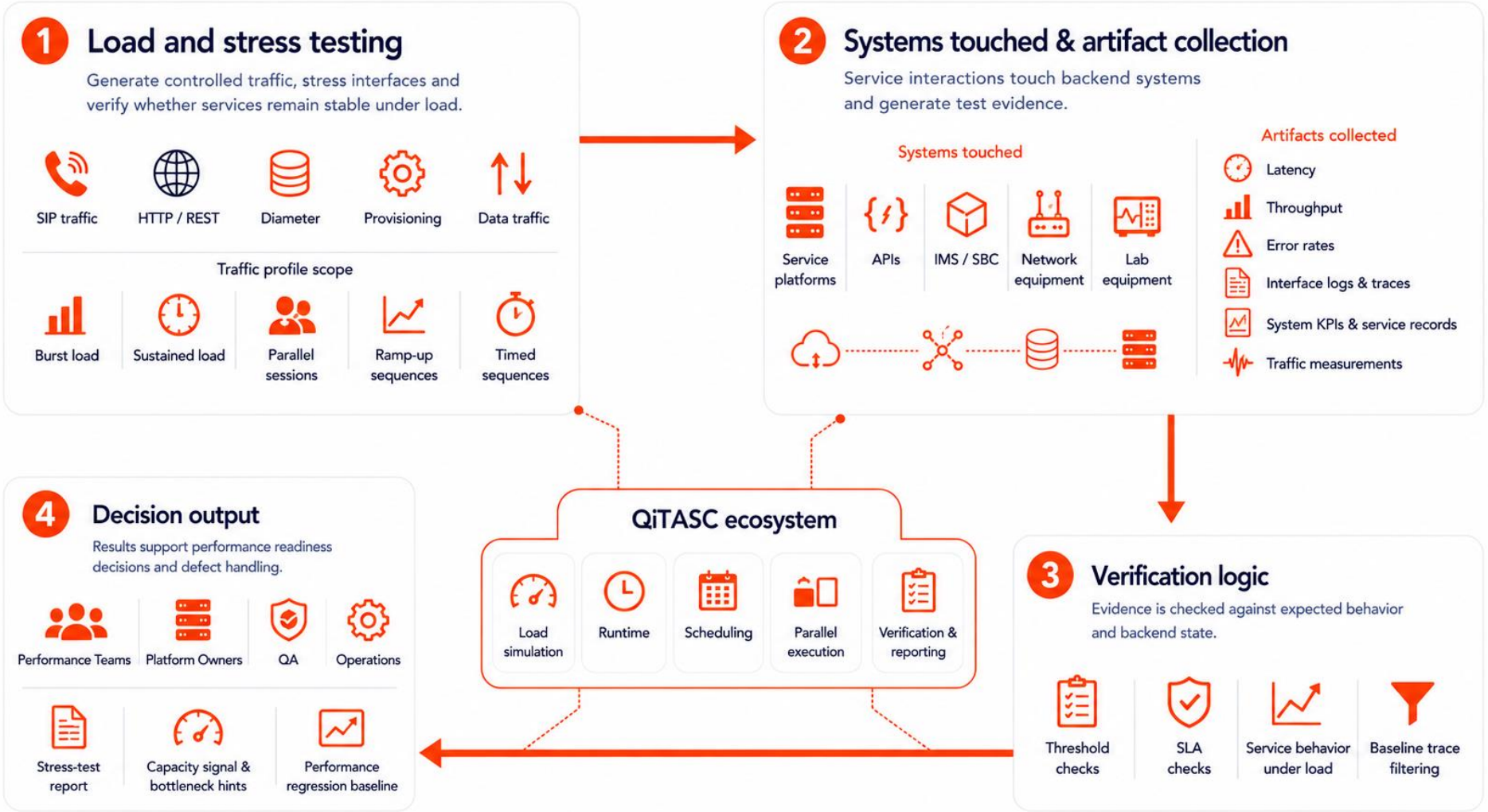
Turn subscriber lifecycle complexity into deterministic test coverage.



Everything that happens in OSS can be verified zero-touch from the customer journey to the backend state.

Project type 12 — Load and stress testing

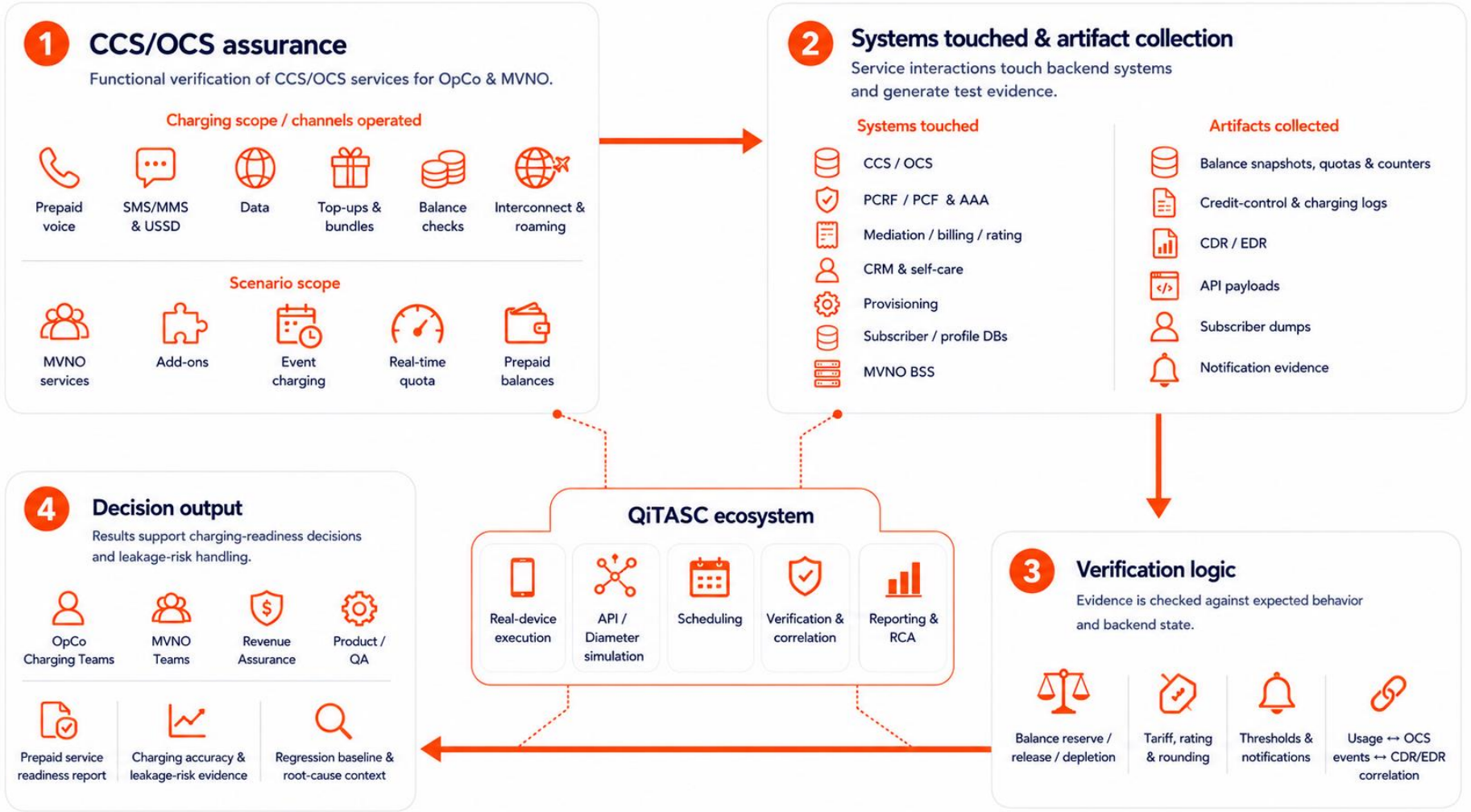
Find capacity and stability issues under realistic and repeatable load profiles.



Load is not only generated — every outcome is verified and explained.

Project type 13 — CCS/OCS assurance

Assure CCS/OCS charging, verify legal requirements, and make a functional assessment.



CCS/OCS are not only working — they fulfill all legal and regulatory requirements and we prove it.

Artifact and verification engine

Every project type creates a defensible evidence pack and a technical verdict.

Device evidence
Screenshots · logcat · UI state · device metrics

Network evidence
PCAP · SIP traces · protocol sequences · interface traces

Business evidence
Subscriber dumps · DB entries · provisioning states

Revenue evidence
CDR/EDR · balances · quotas · internal rater results

Media evidence
Audio recordings · announcements · tones · speech quality

Automated decision chain

Collect

Correlate

Verify

Analyze

Report

Artifacts are evaluated, linked, filtered for known false positives and transformed into a project-ready verdict.

Output: one report per run — readable by PMs, actionable for engineers, usable for audit and supplier tickets.

Stepwise expansion path

The customer can start with one use case and grow the same environment into a full Testing Centre of Excellence.

1

Start small

One service, one lab, one project

2

Reuse assets

Tests, devices, rules, reports

3

Add scope

Services, CPEs, iPhones, IoT

4

Add intelligence

AI RCA, false-positive filtering

5

Scale operation

24/7 monitoring, roaming, sites

Initial project

Mobile Centrex, IP-PBX, basic services or CPE testing

Expansion

CCS, Multi SIM, VAS, IVR, VM, RBT, VoLTE, 5G

TCoE

Roaming, interconnect, monitoring, OTT and full OSS/BSS

Why this matters for PMs, Test Managers and Quality Engineers

Same platform, different value per stakeholder.

Project Manager

- Clear scope and staged expansion
- Objective release and rollout evidence
- Reduced supplier/accountability disputes
- Reusable investment across projects

Test Manager

- One resource-aware schedule
- Repeatable suites instead of manual campaigns
- Coverage per service, device and location
- Scalable test factory operations

Quality Engineer

- Deep logs, traces, CDRs and DB evidence
- Remote control and manual triage when needed
- AI-supported RCA and false-positive filtering
- Every channel and interface can be addressed

QiTASC turns test projects into a reusable TCoE platform

From one acceptance project to zero-touch service assurance across the full operator landscape.

Core message

QiTASC is not a tool collection. It is an extensible test automation ecosystem for OPCOs: it coordinates tools, devices, interfaces, evidence, AI analysis and reports into one zero-touch operating model.

Start with one project. Reuse the assets. Expand every month.

Official alignment

- qitasc.com describes QiTASC as European software experts offering software, AI and remote lab execution
- intaQt supports real and simulated devices
- conQlude centralizes reports, logs, media attachments and metadata

Next workshop

- Select first project type
- Define service and evidence scope
- Identify devices, sites and integrations
- Build the first reusable test pack