

Cognitive Port 360°

Convergence, Automation,
and Traceability with
Netsocs

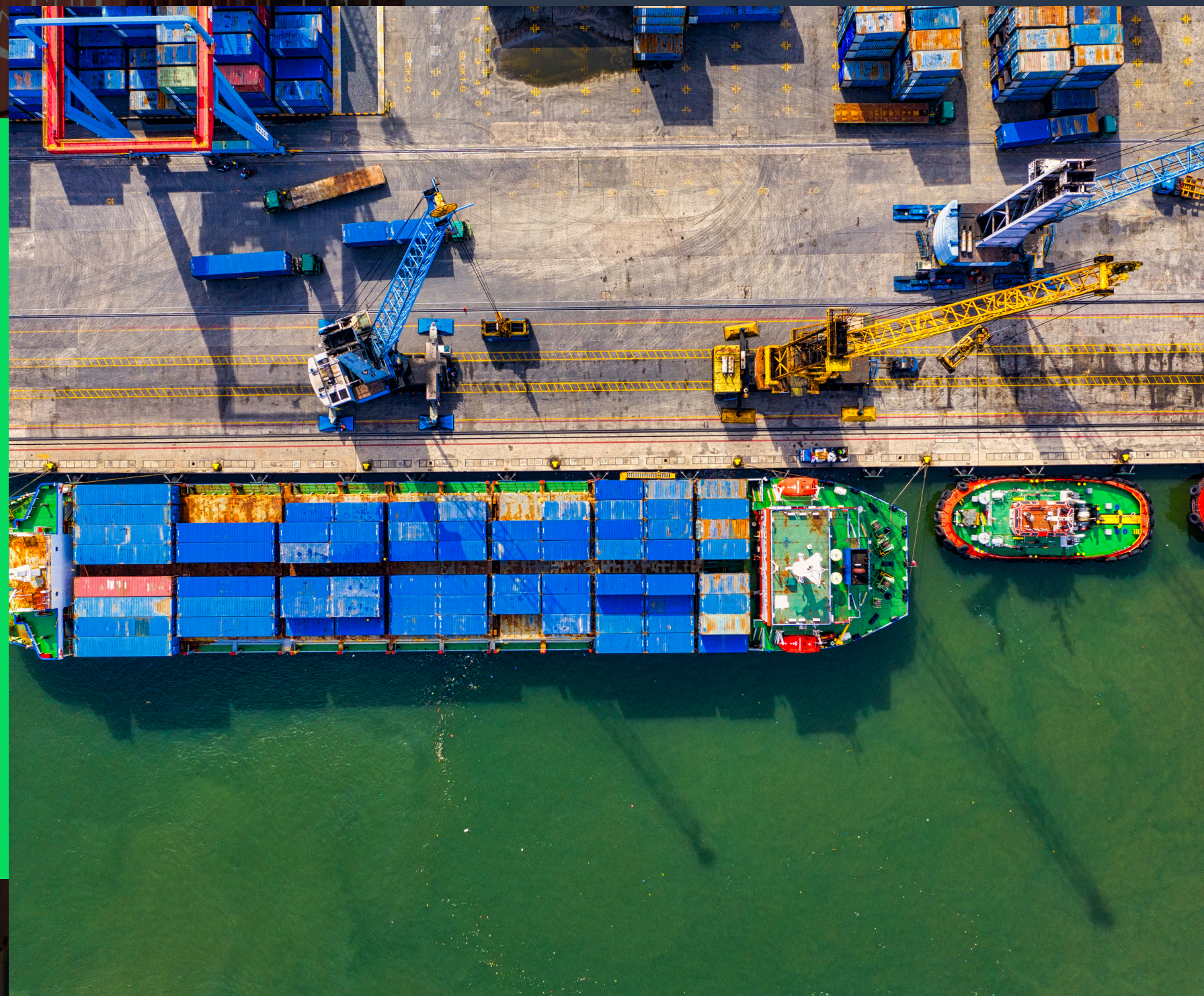
A single operational “brain” that converges all port systems and automates decisions in real time.
Delivers 360° traceability of people, vehicles, and containers for faster response, higher efficiency, and proven compliance.



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Our Vision

- Netsocs is a pioneer in creating solutions that transform companies into efficient ecosystems through technology. We set a benchmark for others worldwide, promoting an integrated and strategic approach that maximizes performance and concentrates efforts on the core of the business.





Our Mission

- At Netsocs, we are dedicated to transforming the way businesses operate, enabling them to integrate all their systems, automate processes, and turn data into essential information. Our technology revolutionizes siloed departments, transforming them into a cohesive ecosystem that optimizes operations and elevates the organization's overall performance.

What is Netsocs?

The Challenge Virtuosos Without a Conductor

Many great systems are stuck in silos. Slow decisions, manual coordination, and a fragmented view.

The Solution Netsocs, the Conductor

It converges LiDAR, video, IoT, OCR, TOS/ERP into a single C7 brain that listens, orchestrates, and acts: moves PTZ cameras, locks access points, speaks over IP audio, places SIP calls, displays on-screen messages, pushes mobile alerts, and coordinates via IP radio/intercom.

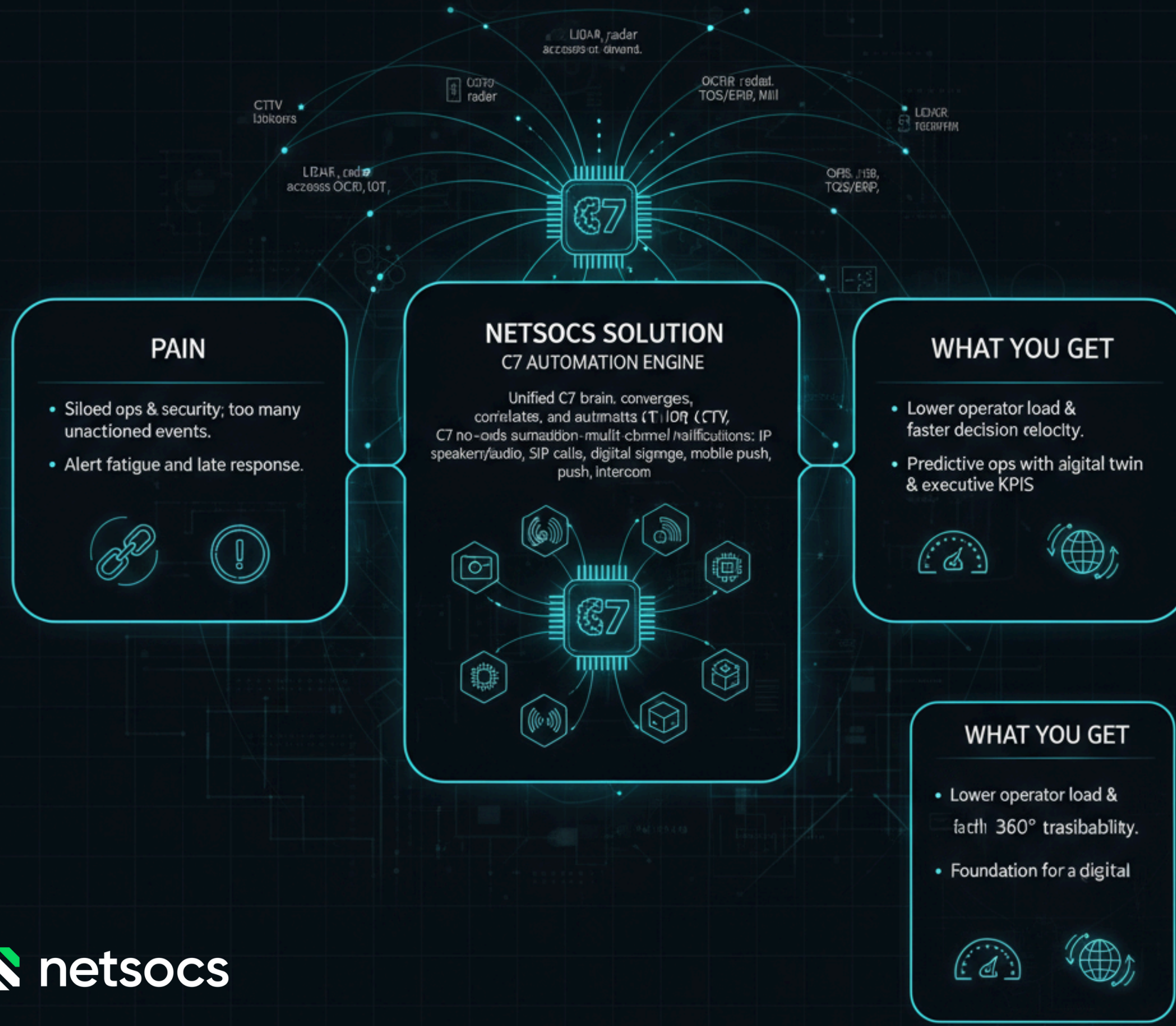
The Result From Silos to an Operational Symphony

From instinct to intelligence. From reacting to predicting. That's a Cognitive Port. That's Netsocs.



COGNITIVE PORT WITH NETSOCS: THE VISION


CONVERGENCE • CORRELATION • AUTOMATION (C7)



C2 SECURITY: SITUATIONAL AWARENESS ORCHESTRATED RESPONSE

CONVERGENCE • GEOSPATIAL AWARENESS • AUTOMATION

PAIN

 Blind spots; many consoles; manual, uncoordinated response.

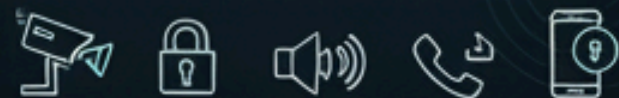
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NETSOCS SOLUTION

Geo-referenced map with live tracking of people/vehicles/containers (LIDAR + CTTV + OCR/Rfid + GPS) through convergence.


Automations: after hours intrusion → PTZ auto-follow + access lockdown + lighting + IP audio + call the supervisor + mobile video alert


Intelligent prioritization to cut noise and act on what matters.

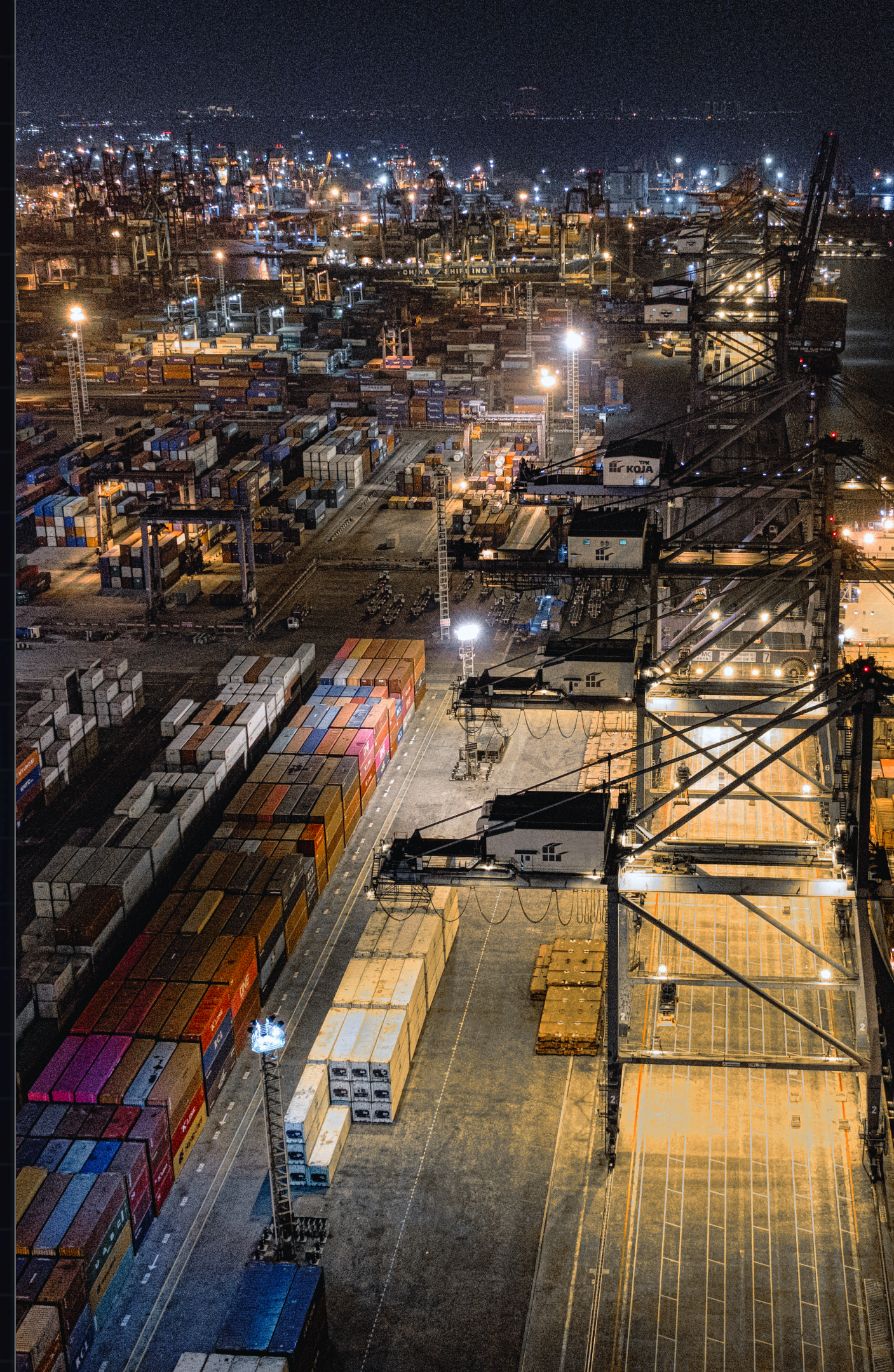


C7 ORCHORATOR

WHAT YOU GET

 TTR ↓ 20-50% virtually zero untended incidents.

 Consolated evidence for investigations and insurance.



CARGO INTEGRITY: TRAECIBALITY + AUTOMATIC DAMAGE (GATE-IN/GATE-OUT)

TRACEABILITY • VISION AI • AUTOMATION



PAIN

- Siloed ops & security, too many unactioned events.
- Alert fatigue and late response.



NETSOCS SOLUTION

Unified C7 brain, converges, correlates, automates CCTV, UDA, radar, OCR/Rfid, I/T
C7 no-code automation + multi-channel notifications. IP PDA/radio, SIP digital SIP radio, signage, mobile push, intercom



WHAT YOU GET

- Lower operator load & faster decision velocity.
- Predictive ops with 380° digital twin & executive KPIs.



NETSOCS
C7 Automation Engine

WHAT YOU GET

- Lower operator load to estimator
Bates drive/boat IRco that were
- Forecast for in sea / global use
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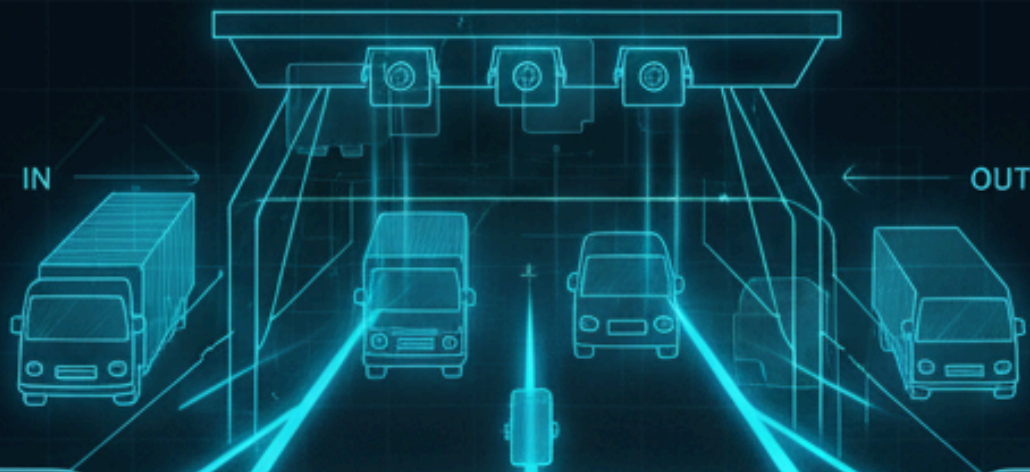


NETSOCS
C7 Automation Engine



FRICITIONLESS ACCESS: PEOPLE & VEHICLES (Validated Against TOS/ERP)

TRACEABILITY • CONVERGENCE • GEOFENCED • AUTOMATION



PAIN

- Gate queues; weak credentials; manual control, low traceability.



NETSOCS SOLUTION

Biometrics (face/fire/fingerprint) + OCR for for HPID in a converged orchestration and orchestration (e.g. ERP) + verification with appointment: TOS, DTT/Permit and signage.



LANE 3, PROCEED

- C7 me code solution (sender and EID in a dCR authentication verification with orchestration with TOS/safety and signage, LIDAR at LIDB for sound signage).
- Automated announcement: sound driver signage, via intercom for intercom.

WHAT YOU GET

- Gate times ↓ 40-70%. 100% audit trail (automation).
- Fewer human errors, better driver trust and per-event traceability.



WHAT YOU GET

Audit trail Tail "Virtuosity"

- Code operates. Net/Internet-based code management. With 100% data integrity and security. From creation to termination of the code.
- Verify code integrity and security. And verify code integrity and security.



NETSOCS



INDUSTRIAL SAFETY (EHS): PREVENTING INCIDENTS & NEAR-MISSES

3D LIDAR • AI ANALYTICS • AUTOMATION



PAIN

- Near-misses unrecorded; yard collisions, unsafe routes, reactive controls.



NETSOCS SOLUTION

- 3D Lidar + AI proximity, speed, and no-go zones; risk heatmaps.
- Automations; person in prohibited zone → IP siren/audio ligh + across ent grt + radio + IP radio to supervisor + mobile notification.
- EHS timeline per person/vehicle with path replay and analytics



WHAT YOU GET

- Fewer near-misses and collisions; safer layouts
- Stronger EHS compliance with unified evinifed eviandce (video • sestimed productivity.



Executive KPIS (Metrics Only)

Signal-First • C7 Dashboard • Readable at a Glance

Security

- TTR; unvented incidents; intrusion rate; false; near-misses; collisions avoided.



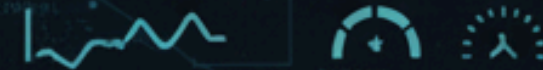
Gates/Traffic

- gate times; per-lane throughput; truck dwell route deviations; lane occupancy



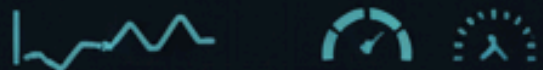
Containers

- end-end custody; yard dwell shocks/temperature events; % of disputes; time-to-resolution



Operations

- vessel turnaround; crane utilization; window adherence MTBF/MTTR



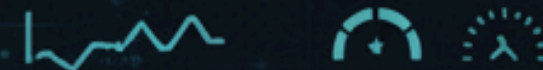
Compliance

- one-click reports (ISPS/C-TPAT); audits closed findings resolved



Finance

- cost/TEU; insurance premiums; damage losses operator hours saved



Continuous Compliance & NII by Convergence (with Damage & Custody)

Convergence • NII • One-Click Audits



Pain

- Manual audits; scattered reports; NII as a silo; run-to-failure for core maintenance.



Netsocs Solution

One-click reports (ISPS, C-TPAT) from the convergence layer.

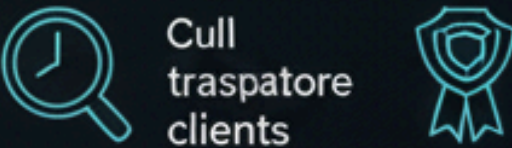
NII (X-ray/y) converged into – container's digital file with automats call customs + IP radio to team + CMMS ticket.



What You Get

Downtime ↓ 20-40% audit
↓ 70-90% fewer fines.

Full transparency with regulators and clients.



Competitive advantage via real-time compliance.



From Fragmented Port to Cognitive Port 360°

Netsocs serves as a single operational brain converging systems, automating responses, and delivering 360° traceability for people, vehicles, and containers.

The result less manual load, faster decisions, and measurable KPIs (TTR, gate times, disputes, downtime, compliance) that elevate safety and efficiency.

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