

EON Delta **Speed with “Zero hallucination”**

Real-time Allow / Deny / Escalate for life-critical field work

Allow / Deny / Escalate for oil & gas Field IQ Four O&G gates: LOTO, PTW, alarms, see-something — running a Jev-class decision model (schema-constrained, confidence-gated) with “Zero hallucination” means zero invented options, not omniscience

Jev-class decision model · Field IQ · Assess IQ · Work Intelligence · Human 2.0

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The problem

Field IQ can put the expert on every worker's face.

The gap is the unexpected second: see something → allow or stop?

- Chat models (Claude / ChatGPT) write freely and can invent options that never existed.
- They optimize for fluent answers, not calibrated go / no-go decisions.
- Too slow and costly to run on every alarm or observation in a live loop.
- A confidently wrong paragraph on a valve can cost a life.

What EON Delta Speed is

A decision station — not a chatbot. State in → typed Allow / Deny / Escalate out.

Schema-safe

Can only pick options
you defined — no
invented
permits or
workarounds

Real-time

Jev-class speed
(~100 ms class)
cheap enough for
every gate

Ask when unsure

Confidence thresholds
force escalate on
safety
gates — never bluff

How it works

1

Observe

Field IQ / Assess IQ
captures the
moment

2

Compose

Procedure + Work
Intelligence state

3

Decide

Jev-class API:
typed questions

4

Act

Code applies
thresholds

5

Record

Trust Ledger +
Compound IQ

Honest split: keep Claude / Chat GPT — **add Delta Speed for the gate**

Keep Claude / ChatGPT for

- Explaining procedures to workers
- Genesis authoring & narratives
- Photo / vision step verification
- Hard multi-step reasoning
- Incident reports & toolbox talks

Use EON Delta Speed (Jev-class) for

- Allow / Deny / Escalate gates
- High-volume micro-decisions
- Schema-constrained options only
- Confidence → auto / confirm / human
- Alarm routing & PTW clear checks

Four oil & gas use cases where Delta wins

01

**LOTO anomaly
mid-job**

02

**Permit-to-work
at the gate**

03

**Control-room
alarm flood**

04

**See something,
say something**

Use cases 1 & 2

1 · LOTO anomaly mid-job

- Extra energy source or mismatched tag on isolation list
- Chat risk: invents a workaround that sounds safe
- Delta: Allow / Deny / Escalate only — no new methods
- Keep Claude for photo verify of locks and tags

2 · Permit-to-work at the gate

- Hot work, confined space, breaking containment
- Parallel checks: gas, weather, fire watch, permit
- Code composites clear / hold / escalate
- HSE owns thresholds — not a chat prompt

Use cases 3 & 4

3 • Control-room alarm flood

- Dozens to hundreds of related alarms in a minute
- Need Ignore / Investigate / Escalate-critical — not essays
- Delta scores each cluster cheaply and fast
- Keep GPT/Claude for post-incident write-ups

4 • See something, say something

- Night contractor: leak smell, missing bolt, wrong line
- Assess IQ packs observation + Work Intelligence
- Delta: Proceed under watch / Shut-in / Call supervisor
- Low confidence always escalates — never silent allow

Availability & trust posture

- EON Delta: controlled availability via 90-day Human 2.0 (H2O) with Field IQ Cohort
- Jev-class engine: commercial early access API today — not full GA SLA yet
- Shadow mode first → assisted → selective auto-allow only after site calibration
- Safety gates never auto-allow; humans + Verdict on the publish path
- “Zero hallucination” = zero invented options — not perfect judgment

Prod, not God.

Field IQ + Assess IQ supply the eyes and the expertise.
EON Delta Speed supplies the traffic light.

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