

EPSILON

OPERATIONS INTELLIGENCE

S·I·M·S

EXECUTIVE SUMMARY · SIMS

Standard Operating Procedures (SOP), interactive and auto-reporting

EPSILON SIMS — SOP Information Management System — plays back a plant's procedures, production and maintenance alike, as animated, narrated checklists. Every step is confirmed by the person responsible before the next begins, and every run is recorded as it happens: who did what, when, and any issue raised — structured, exportable and printable.

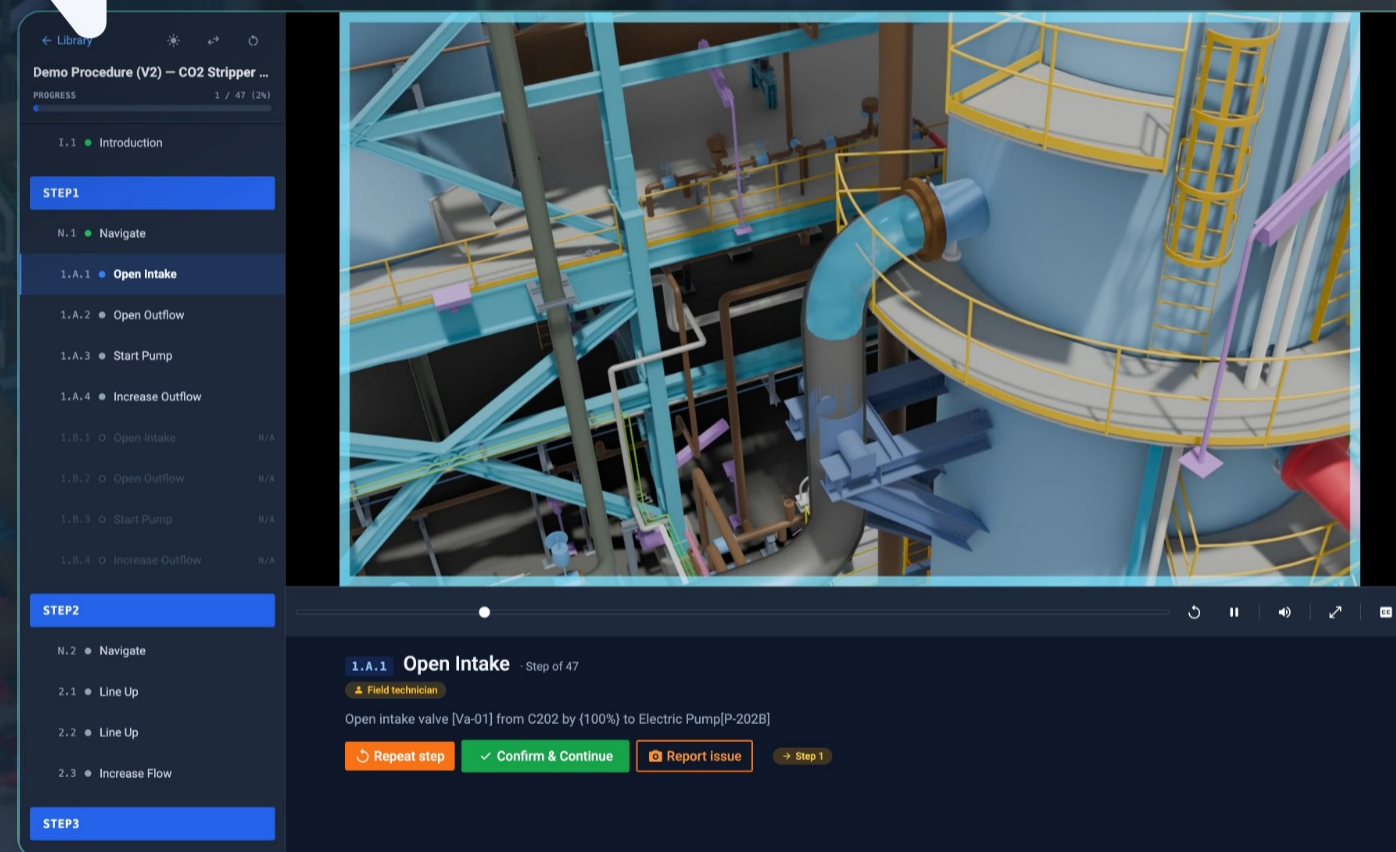
OpeNimation™

SOP DATA HUB

GUIDED EXECUTION

COORDINATED RUNS

RUN RECORDS



1 file

One OpeNimation™ plays as a production run, a training run or a coordinated session

Every step

Shown as a clip, narrated aloud, confirmed by the role responsible

Multi-role

Field and panel technicians run the same procedure together, in sync

PDF

Run record — who did what, when — generated on completion and archived

One approved procedure. One playable file. Every run on record.

SIMS uses an animation of the procedure being performed correctly and turns it into an interactive checklist. Each step carries its own clip, a written instruction, a spoken instruction and the role responsible for it. Operators run it on a tablet or phone at the equipment; supervisors assign, watch and review; the system keeps the record.



APPROVE

The SOP is prepared, checked and approved in SOP Data Hub — one controlled library per plant.



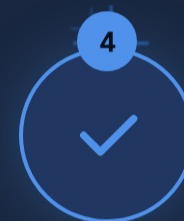
ASSIGN

A supervisor schedules the run to a person, a date and a time; it lands in their calendar.



PLAY

The OpeNimation™ shows one step at a time — clip, text and voice — at the equipment.



CONFIRM

Nothing advances until the responsible role confirms; issues and halts are raised on the step.



RECORD

A time-stamped run record is generated on completion, reviewed, signed off and archived as PDF.

WHAT IS INSIDE SIMS



OpeNimation™

THE PLAYABLE SOP

An annotated 3D animation of the work, cut into steps, each with its own clip, written instruction and spoken version. Actions, notes, warnings and decision points each look and behave differently.

CLIP PER STEP

SPOKEN INSTRUCTION

CONFIRM TO ADVANCE



SOP Data Hub

DOCUMENT CONTROL

Your procedure documents held inside SIMS, organised by plant and unit. Every revision is prepared, checked and approved by named people; the history is immutable, and issues raised in the field feed the next revision.

PREPARED · CHECKED · APPROVED

IMMUTABLE HISTORY



Guided execution

PRODUCTION & TRAINING RUNS

The operator sees, hears and confirms each step in turn; a run interrupted by a shift change resumes at the same step. Training mode plays the identical procedure without counting as a production run.

ROLE-GATED

RESUME WHERE YOU LEFT OFF

TRAINING MODE



Coordinated runs

FIELD AND PANEL, IN ONE SESSION

Participants join a lobby with a short code and take a role. Each confirms their own steps and watches the other side's; decision points, halts and branch choices are recorded for the whole crew.

JOIN CODE

PER-PERSON CONFIRMATION

HALTS



Scheduling & supervision

PLAN THE WEEK, WATCH THE DAY

Assign procedures to people, dates and times, with a meeting link attached for coordinated work. Supervisors see every active run live — done, late and why — with acknowledgements, overdue alerts and reminders.

CALENDAR ENTRIES

LIVE PROGRESS

ALERTS



Run records

AUDIT TRAIL THAT WRITES ITSELF

Who confirmed each step, when and on which device, with any issue, halt or photo evidence against it — generated on completion, signed off by the supervisor, exportable as PDF.

TIME-STAMPED

PHOTO EVIDENCE

PDF EXPORT

Three ways SIMS improves plant operations

Production or maintenance, the same platform serves the operator at the equipment, the supervisor planning the week and the engineer who owns the procedure — and each gets something paper never gave them.

Clearer instructions, smoother coordination

Every step reaches the operator through the clip, the written instruction and the spoken narration, so understanding never hinges on a single reading — and when a job spans field and panel, one shared checklist keeps both sides in step.

IN PRACTICE

A night-shift technician runs a pump changeover alone for the first time — and hears the next step while their hands are still on the valve.

Organised management, live visibility

Every procedure is scheduled inside SIMS and lands in the operator's calendar. Supervisors see every active run in one live summary rather than a stack of forms at the end of the week.

IN PRACTICE

Monday's plan is set in ten minutes; by Wednesday the supervisor knows which runs are done, which are late, and why.

Controlled documents, built in

SOP Data Hub holds the procedure documents inside SIMS, plant by plant. Every revision is prepared, checked and approved by named people and the history is kept — no stray copies on a shared drive.

IN PRACTICE

The revised isolation procedure goes live the moment it is approved, with the superseded revision kept on record.

WHERE SIMS EARNS ITS KEEP



Refining & petrochemicals

Start-up, shutdown, isolation and purge, catalyst changeovers



Chemicals & specialties

Reactor charging, batch sequences, changeovers, sampling rounds



Pharma & life sciences

Signed batch steps, clean-in-place, line clearance and set-up



Power & utilities

Boiler and turbine start-up, switching, isolation for maintenance



Oil & gas • LNG

Compressor and pump start-up, pigging, permit-linked isolations



Food, beverage & consumer

Line changeover, hygiene cleaning cycles, interval quality checks

What SIMS brings

The advantages, plant by plant

- ✓ **Consistency** — the procedure is executed the way it was approved, by every crew, every shift.
- ⌚ **Faster onboarding** — new operators learn on the OpeNimation™ itself, in training mode, before their first live run.
- 🛡️ **Safer hand-offs** — field and panel confirm in sequence; nothing is assumed to have happened.
- ⚠️ **Fewer avoidable incidents** — cautions are spoken and acknowledged, and a run stops the moment something is wrong.
- 🔍 **Audit-ready** — a complete, time-stamped record per run, without anyone filling in a form afterwards.
- 🔄 **Living procedures** — issues raised in the field feed the next revision in SOP Data Hub.

TALK TO US

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EPSILON SIMS

Every step confirmed. Every run on record.