



Authorising hazardous work — provably by the book

In many plants the work permit still lives on paper or in an Excel sheet: it can be edited afterwards without a trace, it does not enforce the rules (whoever requests can issue to themselves), and in a regulatory check or an incident investigation it does not prove the process was followed. The OPEREX permit to work answers exactly this need: it makes the permit an enforced, provable part of the process — a checkpoint, not a form.

The OPEREX permit to work

The full lifecycle of authorising hazardous work — from request through issue and daily execution to a proper close. Every step is recorded by an append-only, hash-chained signature: a later edit breaks the chain. Tied to the log, to maintenance and to the evidence, with an audit trail throughout.

WHAT THE MODULE DOES

The process core	Prerequisites & checkpoints	Platform & evidence
✓ 12-state lifecycle, expiry, live time window ✓ Switchable steps: acceptance, handover, hand-back ✓ Issuer ≠ requester by default; exceptions reasoned ✓ Worker lock (one person on one open permit) + SIMOPS ✓ Last-minute risk assessment (LMRA) before work starts	✓ Optional risk assessment — main hazard sets the type ✓ Certificates and isolation points (LOTO / blind flange) ✓ Time-valid gas testing (O₂ / LEL / H₂S / CO / Tox) ✓ Competence gate with expiry (person & document master) ✓ Adjustable checkpoints: Off / Warn / Block	✓ Four main types; one job = one permit, others as boxes ✓ Locked factory templates, a box library, one-click copy ✓ Three profiles; loosening the standard needs a reason ✓ Company-wide and per-site policy, custom roles ✓ Authentic PDF + append-only audit trail (ISO 45001 §7.5)



Signature chain + live QR

Every transition is a hash-chained signature: a later edit breaks the chain. The paper's QR code shows, without sign-in, whether work may proceed now and if the paper is current.



Issuer ≠ requester

By default, whoever requests cannot issue to themselves — a code-level principle. Single-person issue is only a switchable, reasoned exception, recorded in the chain.