



Permitting Management, **from Application to Asset**

How operators in Oil & Gas, Utilities, and Infrastructure standardize their entire regulatory lifecycle — across projects, phases, and assets — with FieldWork 4.

Executive **Summary**

Permitting is the silent critical path of capital projects. A delayed environmental consent pushes back well-spudding by months. A missed renewal triggers a fine or asset shutdown. An incomplete checklist costs a regulator audit. Yet most operators still run permitting on hundreds of spreadsheets, scattered SharePoint folders, and email reminders.

FieldWork 4 — Permitting Management replaces this fragility with a process-aware, asset-anchored, audit-ready system. It generates phase plans from configurable templates, enforces document checklists per phase, links every Request to its Decision, tracks expiry dates automatically, and keeps the entire portfolio visible on one color-coded timeline. This document describes the use cases, business rules, and expected outcomes.

The Problem **We Solve**

Fragmented Tracking

Permits live in dozens of spreadsheets, ECM folders, and personal inboxes. There is no single, trusted view of project status, document completeness, or upcoming renewals.

Process Drift

Each project manager invents their own permitting flow. Phases are skipped, prerequisites missed, and standards diverge across regions and asset types.

Audit & Renewal Risk

Permits expire silently. Regulators arrive without warning. Teams spend weeks reconstructing evidence that should have been one click away.

Six capabilities that change how permitting runs

Each capability below maps directly to a use case in the underlying functional specification. Together they cover the full lifecycle: project intake, phase generation, documentation, expiry surveillance, asset linkage, and reporting.

1 Configurable Phase Templates

Process flows are predefined per project type with conditional branches and parallel phases. New projects automatically generate phases and planned timelines based on average durations.

2 Phase Lifecycle Management

Phases move through clear statuses: Created, In Progress, Approved, Skipped. Optional phases automatically recalculate timelines, while mandatory checklists must be completed before approval.

3 Documentation & Checklists

Each phase includes a configurable document checklist linked to Decisions and permits. Legally required acts are task-confirmed, while completed documents are automatically stored in the asset registry.

4 Automated Expiry Notifications

Daily scans track document expiry dates and trigger reminders, renewal tasks, and email notifications. Tasks include full project and document context for faster action.

5 Asset Registry with Inheritance

Projects are linked to assets such as wells, substations, pipelines, or towers. Project documents are inherited into the asset's permanent record within a structured location hierarchy.

6 Reporting by Procedure & Permit

Pre-built reports provide insights by subject, period, and project type. Permit and Procedure Reports highlight statuses, risks, and phase compliance in an audit-ready format.

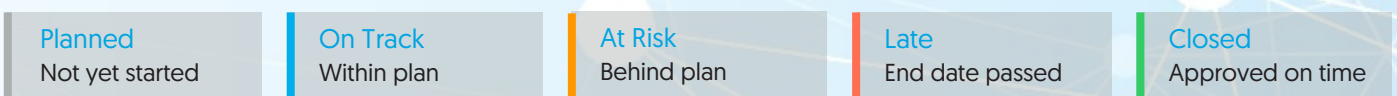
PHASE LIFECYCLE & TIMELINE COLOR CODING

Phase Status Transitions



Skipped is a terminal state for phases that do not apply to a given project; it does not block process flow.

Timeline color grading



From project creation to permit issuance

The following scenario shows how the six capabilities work together for one real-world permit cycle: a Well Drilling project. The same pattern applies to grid expansion, pipeline construction, and telecom site rollout — only the master data differs.



Day 0 | Project intake

The Project Manager creates a Well Drilling project and links it to the target asset. The system automatically applies the process template with all phases and planned timelines.



Day 1 | Phase activation

The Environmental Impact Assessment phase starts. A mandatory checklist appears, and the phase cannot be approved until all required documents are uploaded.



Day 30 | Documents flowing in

Team members upload requests and related documents. The checklist updates automatically, while the Project Manager tracks progress in real time.



Day 90 | Conditional branch

A supplementary biodiversity study is required. The optional phase is added, and all downstream phase dates are recalculated automatically.



Day 180 | Decision linked, phase approved

The EIA Decision is uploaded and linked to the original Request. Once the checklist is complete, the phase is approved and the next phase starts automatically.



Year 5 | Renewal cycle starts

Before the EIA Decision expires, the system creates a renewal task and notifies the responsible team. The latest valid document remains visible in the asset registry.

MASTER DATA MODEL

Configurable master data is what lets a single platform serve operators in different industries and jurisdictions without custom development. The administrator configures these once; project managers consume them every day.

Project Types

Construction, Well Drilling, Simplified, Grid Expansion — each with type-specific attributes.

Phase Statuses

Created, In Progress, Approved, Skipped — automatic and manual transitions.

Areas & Locations

Multi-level hierarchy — country, region, site — with locations as the lowest level.

Phase Types

Name, code, average duration, auto-generation flag, prerequisite conditions.

Document Types

Categorized as Request, Administrative Act, Non-Administrative Act, or Other; obligation flag per phase; legal validity flag; notification settings.

Asset Types & Subjects

Asset classification [well, tower, substation]; legal/natural persons referenced on correspondence and decisions.

What measurably changes **after rollout**

+30 pp

On-time phases

Share of phases completed within plan rises by 30 percentage points within the first year.

-40%

Avg. phase delay

Mean number of days a phase exceeds its planned end date.

0

Expired permits

Renewal alerts eliminate silent expiries within one full notification cycle.

Days

Audit prep

Pre-built reports replace weeks of manual evidence reconstruction.

Indicative ranges based on industry benchmarks for permitting digitalization in regulated sectors. Actual outcomes vary with baseline maturity, scope, and adoption.

BUILT FOR OPERATORS IN **THESE SECTORS**

SECTOR	TYPICAL OPERATORS	PERMITTING WORKLOAD
Oil & Gas	Upstream wells, midstream pipelines, downstream refineries	Drilling permits, EIA, concession, operational license, decommissioning
Electricity TSO/DSC	Transmission and distribution grid operators	Right-of-way, planning consent, environmental consent, construction permit
Gas TSO/DSO & LNG	Gas networks and LNG terminal operators	Pipeline routing, hydrogen-readiness conversion, terminal operating permits
Multi-utilities	Power, gas, water, district heating, waste	Concession renewals, water abstraction, treatment plant authorization
Telecom Infrastructure	Tower companies, fiber operators, FTTH rollouts	Site acquisition, municipal building permits, easement agreements
Renewable IPPs	Wind, solar, hydro, storage developers	Grid connection, EIA, planning consent, construction & operation permits

SECURITY, COMPLIANCE & INTEGRATION

- **Data residency** — EU-based hosting; ASEE Cloud, AWS Frankfurt or equivalent. No data leaves the EU.
- **Authentication** — Optional directory synchronization [SSO/SCIM] with corporate identity providers; manual user management when sync is disabled.
- **Audit logging** — Every action on every document is timestamped and traceable to a user and role.
- **Reliability** — Daily automated notification scans; planned date recalculation runs automatically on phase changes; UI supports active/all phase filtering.

See it in 30 minutes.

Book a tailored demo with a permitting use case from your industry.

Request a demo

sales@asseco-see.hr



ASEE stands as one of Europe's leading IT companies specializing in the development and deployment of proprietary software solutions. With a diverse portfolio spanning various industries, including finance, telecommunications, public government, and payment systems, **ASEE** is at the forefront of innovation.

With a global presence in 23 countries and a dedicated team of over 3,800 professionals, ASEE Group is committed to delivering cutting-edge technology solutions to meet the unique needs of its clients across industries.

<https://asee.io/products/fieldwork4/>

MORE INFO

