PharmaERP

Full reference for every module

Multi-branch pharmaceutical wholesale ERP — real accounting, FEFO lots, compliance

HIVETECH
our technology at your hand

Version 1.0 — Phase 8

Contents

1. Introduction 4
Modules at a glance 4
Users and roles 4
2. Installation and first login 4
Requirements 5
Web installation (the normal way) 5
Installing in a sub-folder (no dedicated domain) 5
Web installation (the normal way) 5
Local evaluation without a host 8
Command-line installer (alternative for shell users) 9
Logging in 9
The screen layout 9
Company profile, logo and printing 10
3. Dashboard and reports 10
Dashboard 11
Profit & loss 11
Near-expiry report 12
4. Multi-branch operation 12
Branch admins — one branch each 13
Requesting stock from another branch 13
Ordering a purchase from the main branch 14
Branches, warehouses and cost centers 15
Per-branch reports 15
Branch-scoped documents 16
5. Masters 16
Items and units of measure 17
Price lists 17
Customers and suppliers 18
6. Inventory 19
Stock lots 20
Receiving and quarantine 20
Movement history 21
Movement slips (transfer documents) 22
7. Purchasing 23
Purchase requests and orders 24
Goods receipts (GRN) 25
Supplier invoices and payments 26
Returns, ageing and ledger 27
8. Sales 28
Invoices 29
Receipts and returns 30
Receivables 30
9. Expenses 31
10. Compliance 32
Narcotics register 33
Recalls 33

License compliance 34
11. Accounting 34
Chart of accounts 35
Journals 35
Statements 36
12. Licensing 37
13. Maintenance and optional add-ons 38
Plugins - managed from the browser 39
Command-line equivalents (optional) 39
Resetting and reloading 39
Backups 40
Troubleshooting 40

1. Introduction

PharmaERP is a multi-branch ERP for pharmaceutical wholesale companies. Every business document — from a purchase request to a sales receipt — posts to a real double-entry general ledger, so financial statements are always reconciled with operational data.

Modules at a glance

Module	What it covers
Masters	Items with multiple units of measure, price lists, customers, suppliers
Inventory	Stock lots with expiry, FEFO issuing, quarantine & QC, full movement history
Purchasing	PR -> PO -> GRN (with QC + landed cost) -> supplier invoice -> payments -> returns
Sales	Invoices (cash / credit), receipts, returns, AR ageing, customer statements
Expenses	Per-category, per-cost-center expenses with GL posting
Compliance	Narcotics register (append-only, dual authorization), recalls with customer trace
Accounting	Chart of accounts, journal browser, trial balance, balance sheet, GL report
Reports	Dashboard KPIs, P&L, near-expiry
HR add-ons (optional)	Personnels, salaries with payroll -> GL posting, rosters

Users and roles

Access is role-based: every route requires a permission, and menu entries only appear for plugins you can use. The seeded Super Admin holds every permission. Compliance gates (such as issuing controlled medicines) always require a second authorized user — a super-admin is never silently exempt.

2. Installation and first login

Requirements

- PHP 8.2 or newer (8.3+ recommended) with PDO, mbstring, and Sodium or OpenSSL
- Either MariaDB/MySQL 10.11+ (production) or the bundled SQLite demo mode
- The vendor/ dependencies folder shipped in the package
- A web server / hosting that can run PHP (the PHP built-in server works for evaluation)

The installer checks all of this itself and refuses to continue until the required items pass, so a missing extension can never cause a half-broken installation.

Web installation (the normal way)

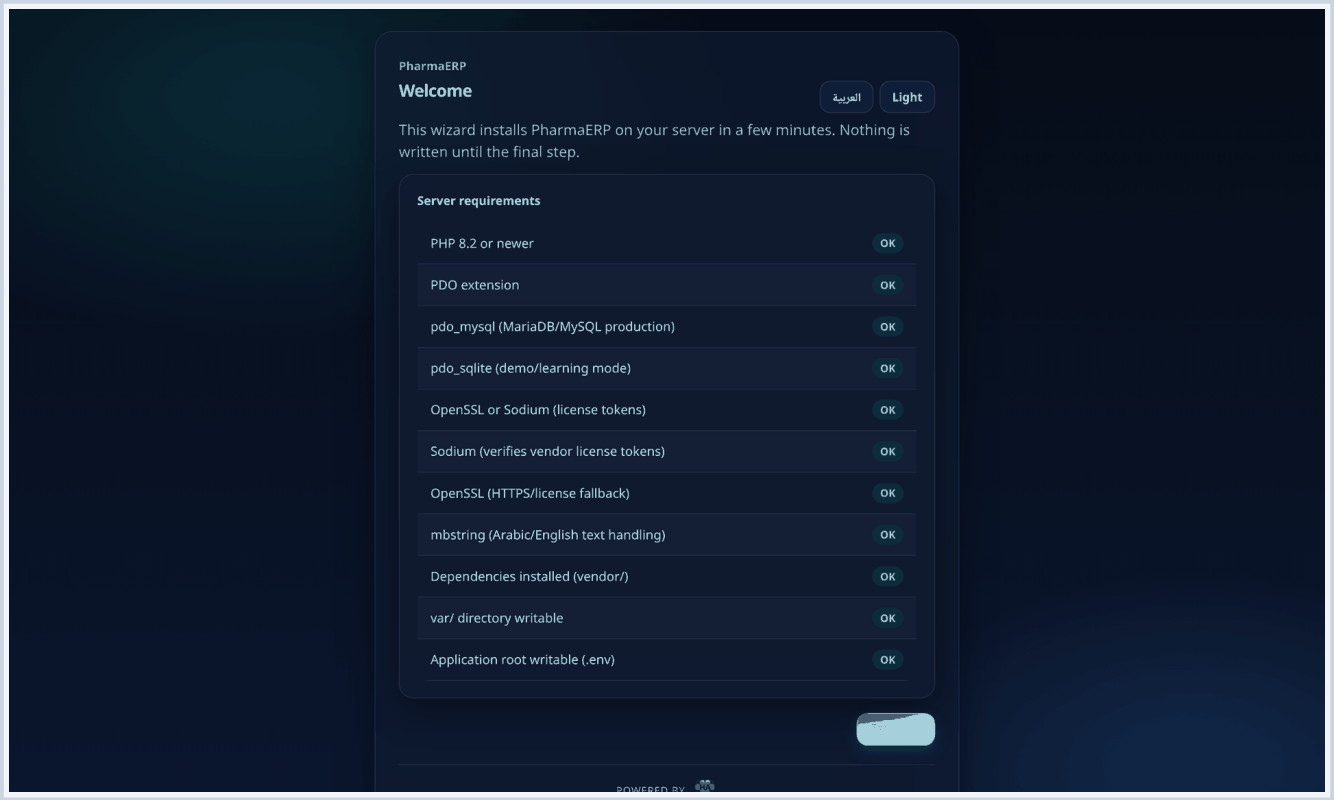
Installing in a sub-folder (no dedicated domain)

The ERP does not need its own domain. On a multi-project localhost (XAMPP) or a shared host, simply unzip the package into a sub-folder of the web root, next to your other projects — for example htdocs/pharma-erp for http://localhost/pharma-erp, or the erp folder for https://nilepharma/erp. Open that URL and the installation wizard starts exactly as described above; nothing extra is configured.

The application detects its mount point automatically on every request and prefixes every link, form, redirect, printed logo and cookie with it — any folder name and any nesting depth work, including names with spaces or Arabic words. Session and preference cookies are scoped to the sub-folder, so sibling projects on the same server never clash. The bundled .htaccess file serves the CSS and branding images from the internal public/ folder and keeps private files (var/, .env, src/…) unreachable from the web: they always resolve to the application's 404 page. Both localhost (XAMPP: mod_rewrite + AllowOverride All, both on by default) and typical shared hosts are supported.

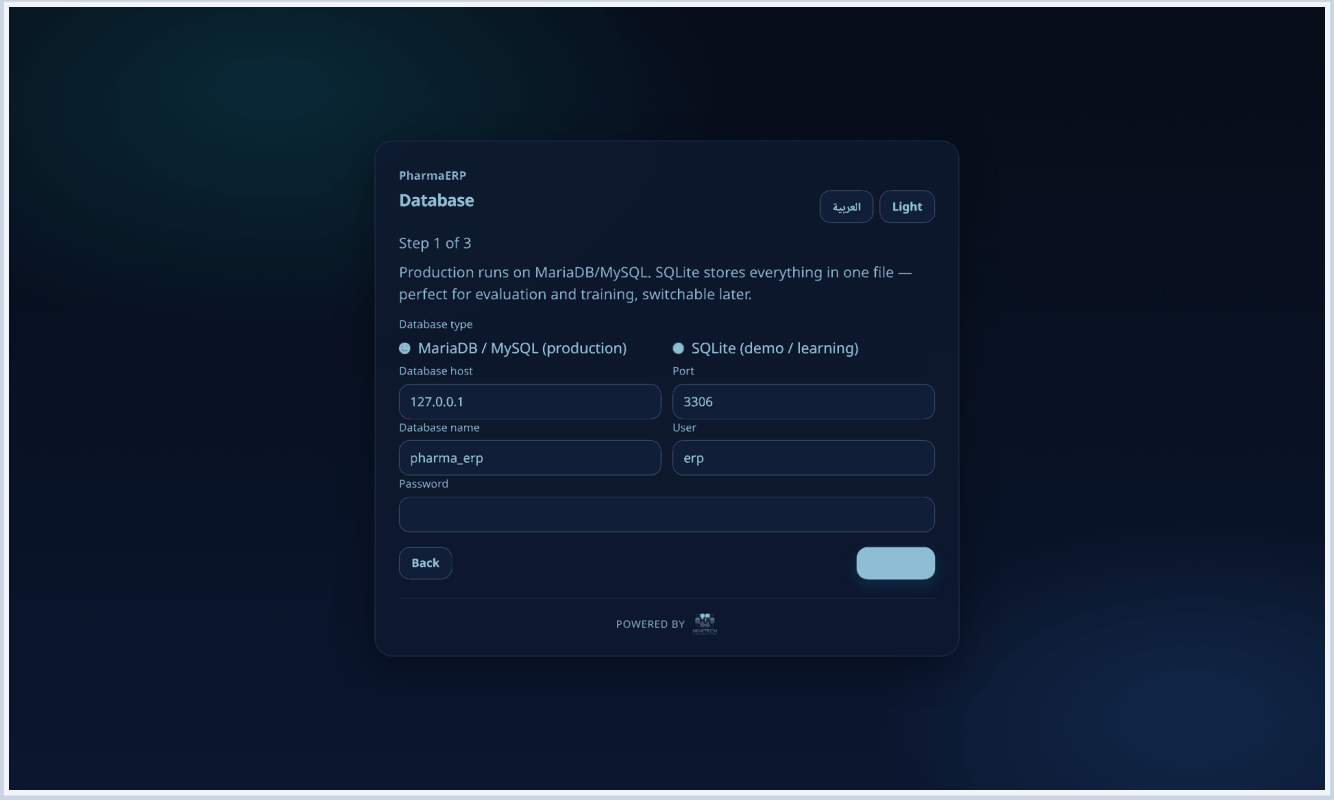
Web installation (the normal way)

PharmaERP installs through its browser wizard, like WordPress: upload the package to your host, open the site URL, and the installer opens automatically. The first screen runs a requirements check — PHP version, PDO, the pdo_mysql / pdo_sqlite drivers, Sodium (verifies vendor license tokens), OpenSSL, mbstring, folder permissions — and blocks installation until the required items are green.



The installer opens automatically on a fresh upload: server requirements are checked first.

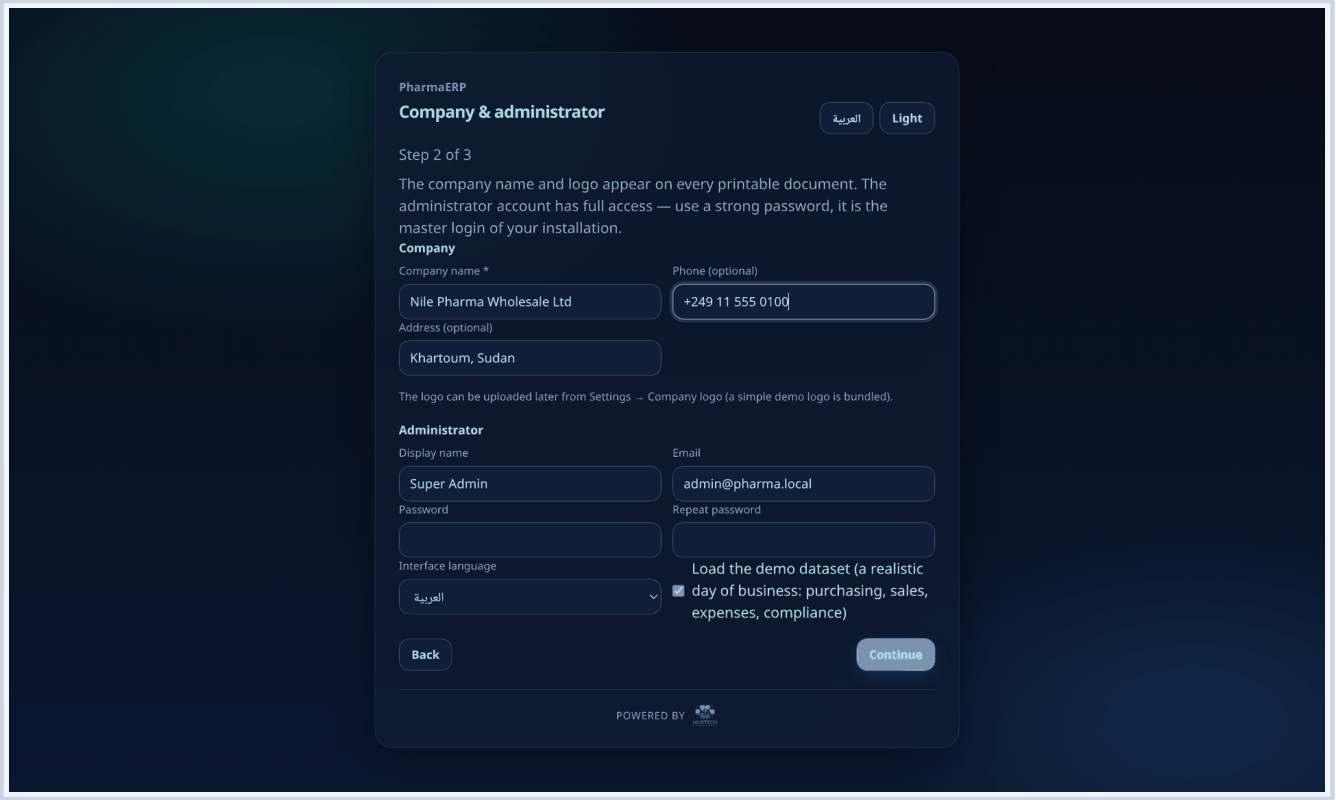
Step 1 - Database: choose MariaDB/MySQL for production (host, port, database name and credentials - the database is created for you if the user has rights) or SQLite for demo and learning. The connection is tested before you can continue.



Database step: MariaDB for production, SQLite for demo/learning - tested on submit.

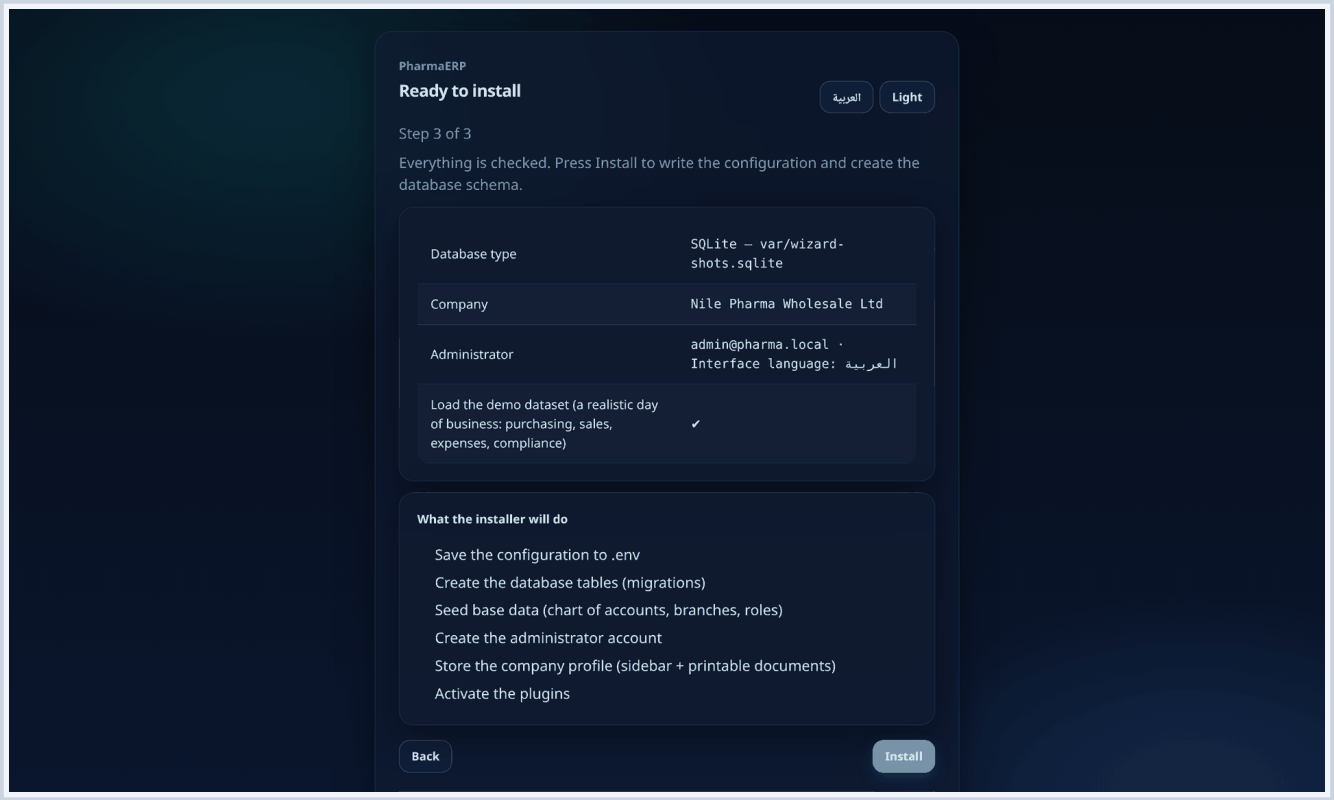
Step 2 - Company & administrator: enter the company profile - name, address, phone. The company name and logo appear in the sidebar and on every printable document (invoices,

reports, transfer slips); the logo itself can be uploaded later from Settings. Then create the master account (email, display name, a strong password typed twice), pick the interface language and decide whether to load the demo dataset.



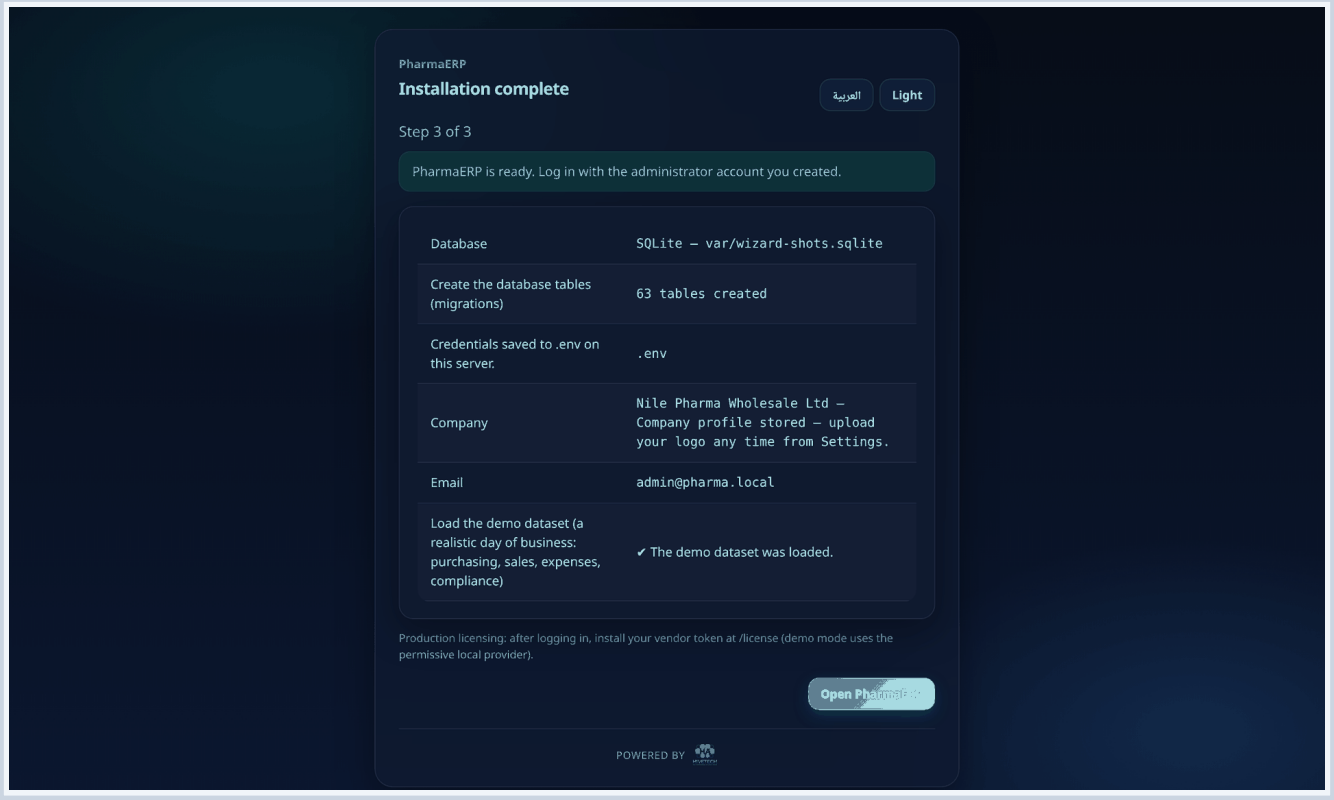
Company & administrator step: the company profile plus the master login and the demo-data option.

Step 3 - Review and install: a summary of your choices and a checklist of what the installer will do. With MariaDB/MySQL, the database name, user and password are stored in the .env file on your server - nothing is sent anywhere else.



Review step: summary, checklist, and where the database credentials are stored.

Press Install: the wizard writes .env, creates the database tables (about 63), seeds the master data (chart of accounts, branches, roles), creates your administrator account, stores the company profile and activates the plugins. The success screen shows the result, including the table count.



Installation complete - log in with the account you just created.

After installation the wizard locks itself (var/installed.lock) and cannot run again until that lock is deliberately removed - the application serves normally from then on.

Local evaluation without a host

To try PharmaERP on your own machine, serve it with PHP's built-in server and open the URL - the same wizard appears:

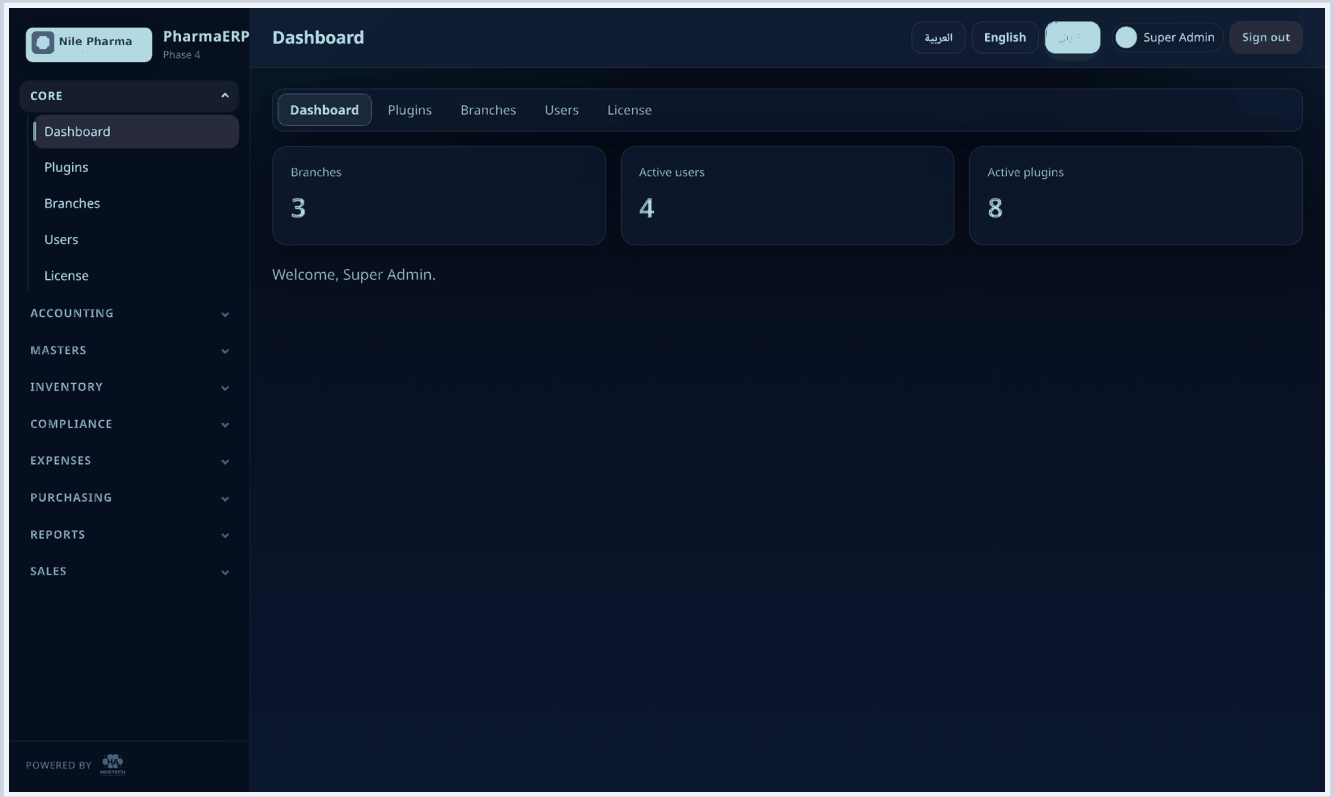
```
 php -S 0.0.0.0:8000 -t public
# open http://127.0.0.1:8000 and follow the wizard
```

Command-line installer (alternative for shell users)

Hosts with shell access may skip the wizard; it performs the identical steps:

```
 php bin/console install --demo          # interactive
php bin/console install --driver=mysql --db-name=pharma_erp \
    --db-user=erp --db-pass=secret --company="My Pharmacy"
php bin/console serve
```

Logging in



The login screen.

After installing with defaults, log in with admin@pharma.local / admin123. The demo dataset also creates pharmacist@pharma.local / pharmacist123 (a restricted account - handy for testing who may see what).

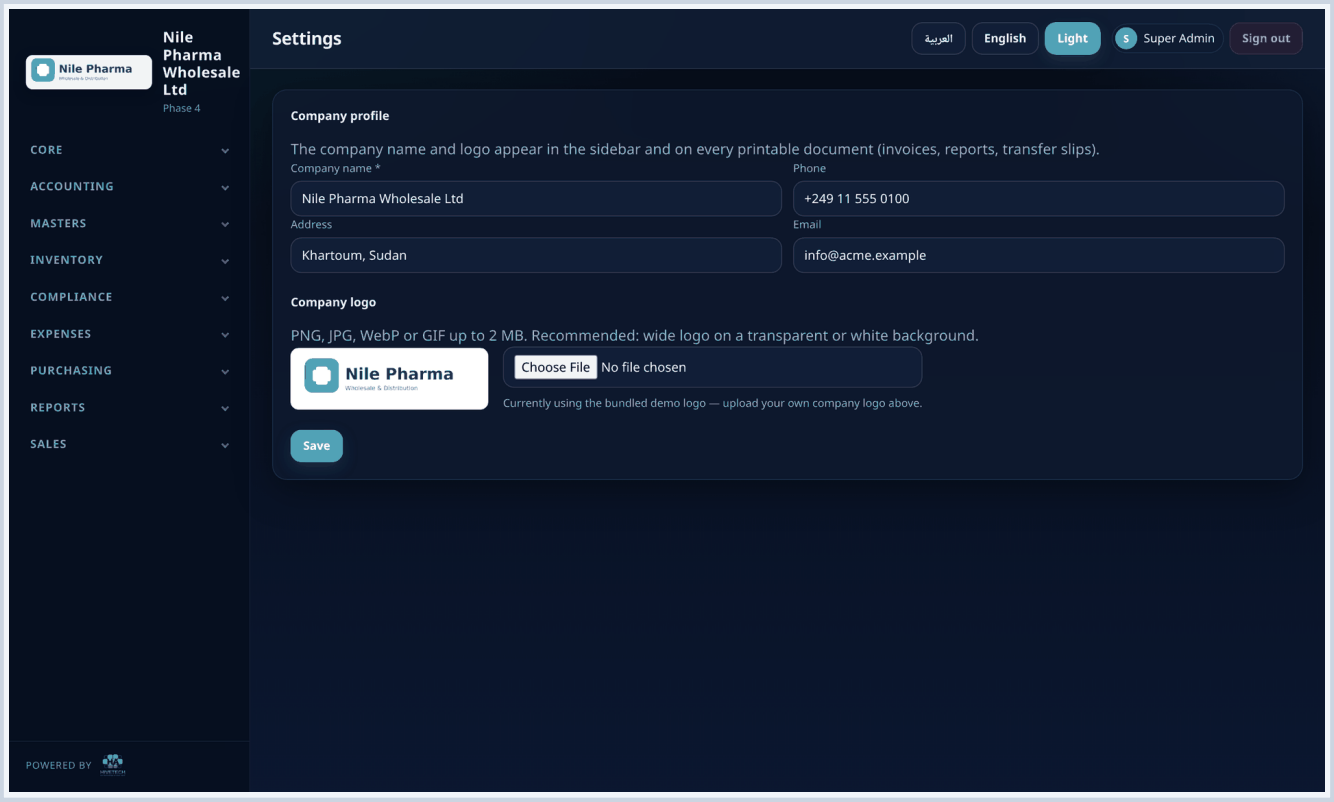
The screen layout

The sidebar carries the company logo at the top (yours - upload it from Settings) and lists the

modules your account may use; its footer shows the software is powered by HIVETECH. The top bar shows the current page, the language switcher (Arabic / English) and the light/dark theme toggle - both persist per browser.

Company profile, logo and printing

Settings (Core - Settings) holds the company profile: name, address, phone and email, plus the company logo upload. A simple demo logo is bundled so documents look right out of the box - replace it with your own (PNG/JPG/WebP/GIF up to 2 MB) and the sidebar and every printable document pick it up immediately.



Settings: the company profile and the logo upload.

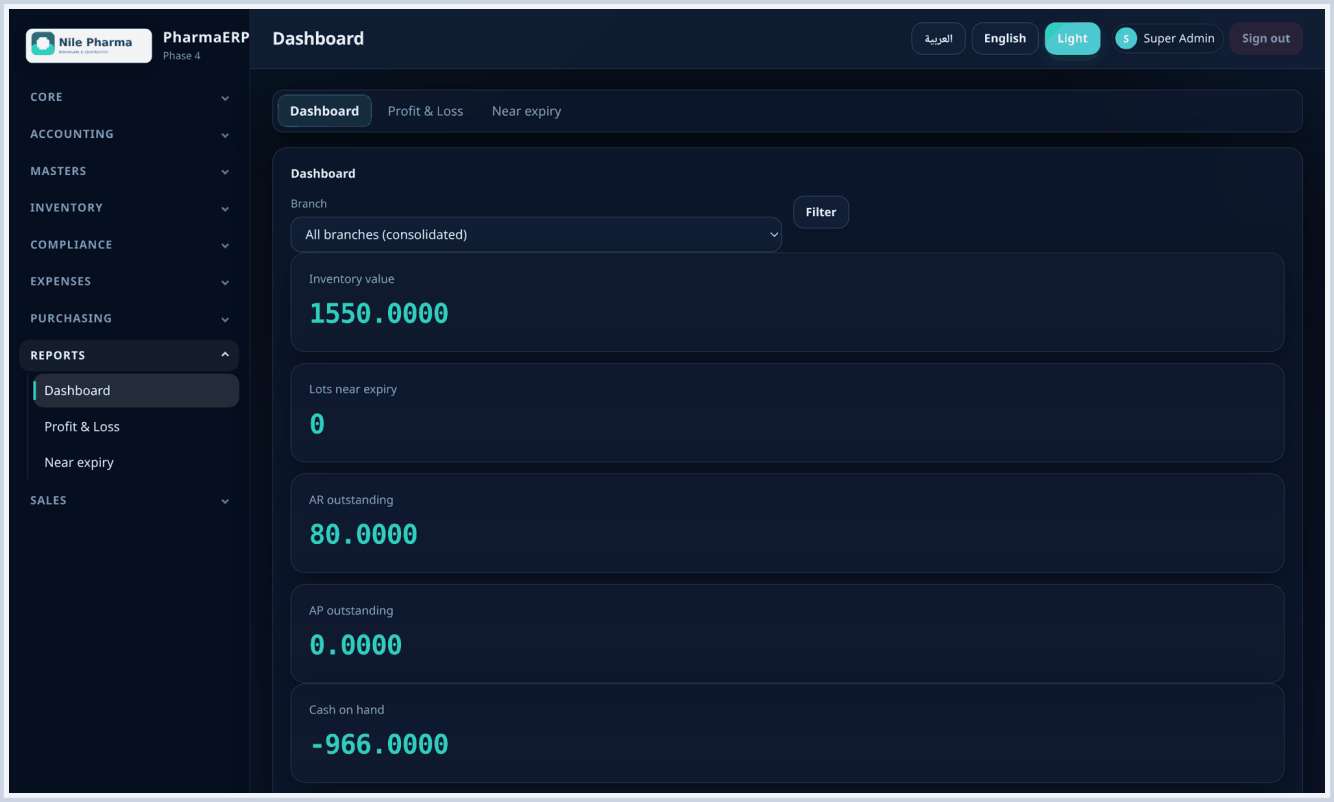
Every document page has a Print button: sales and supplier invoices, goods receipts, journal entries, customer statements and the reports (P&L, trial balance, balance sheet, income statement, near-expiry). Printing hides the application chrome and emits a clean document headed by your company logo and details.

Stock movements print as transfer slips: Inventory - Movements has a Slip link on every row, producing a signed-for document (issued by / carried by / received by) with the lot and batch details - see chapter 6.

i Demo mode (SQLite) runs the exact same code as production, with two documented limitations: DECIMAL columns are stored as REAL and the audit log is shared. See docs/demo-mode.md.

3. Dashboard and reports

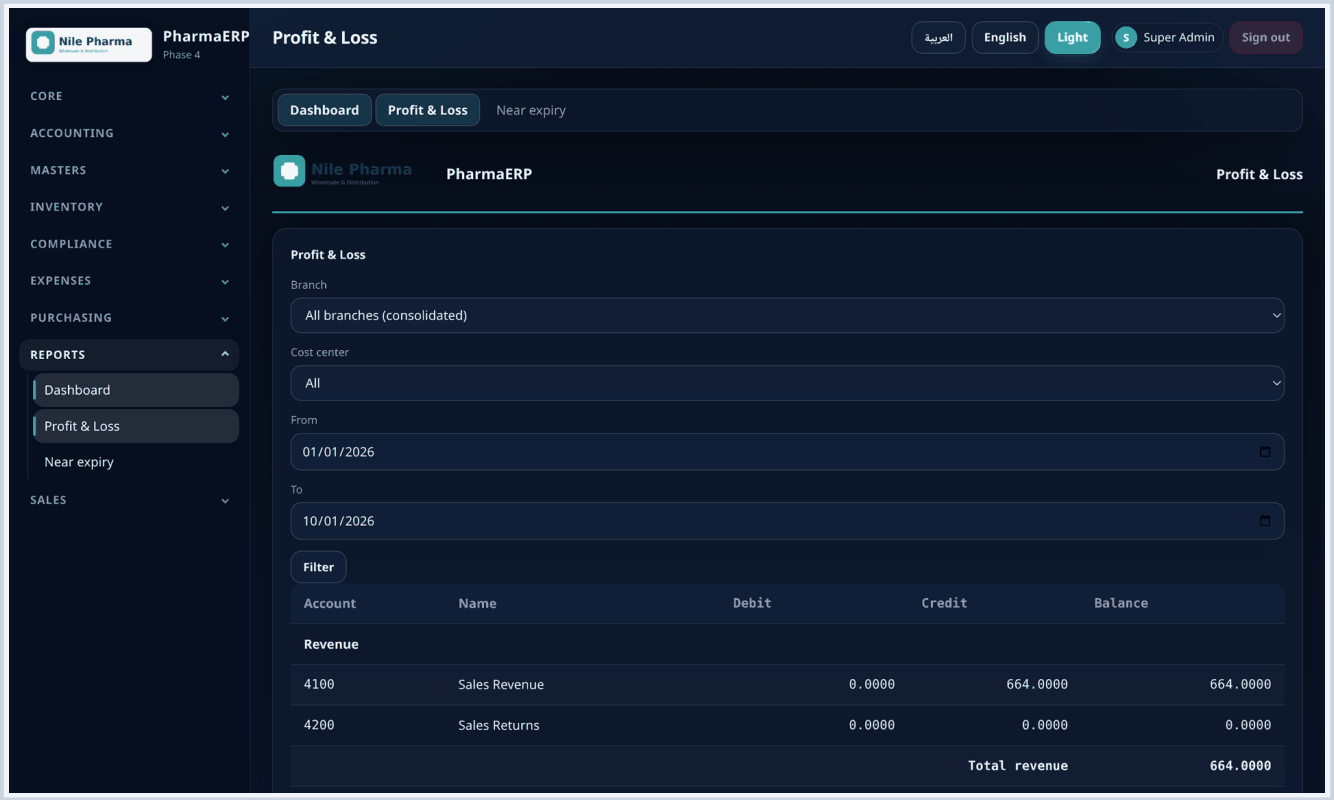
Dashboard



Dashboard: inventory value, cash and bank balances, receivables and payables, monthly sales and expenses.

The dashboard aggregates today's position: inventory value at cost, cash and bank balances, outstanding receivables and payables, month-to-date sales and expenses, and a count of near-expiry lots. Every figure is derived from the general ledger — never a parallel tally.

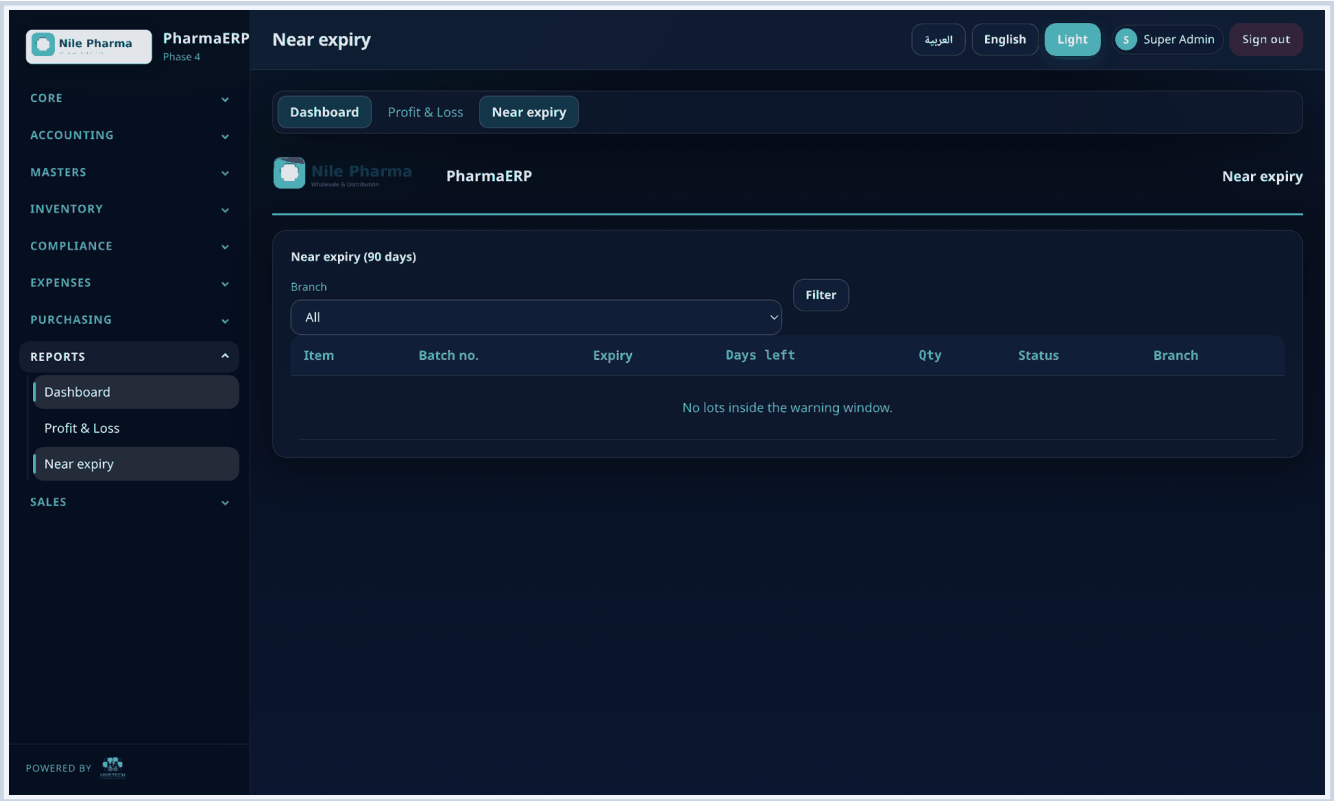
Profit & loss



Profit & loss statement, per branch or consolidated.

Every report opens consolidated by default and carries a branch selector - filter it to a single branch for branch-level results. Multi-branch operation has its own chapter (4).

Near-expiry report



Lots approaching expiry, with days remaining — act before stock becomes unsellable.

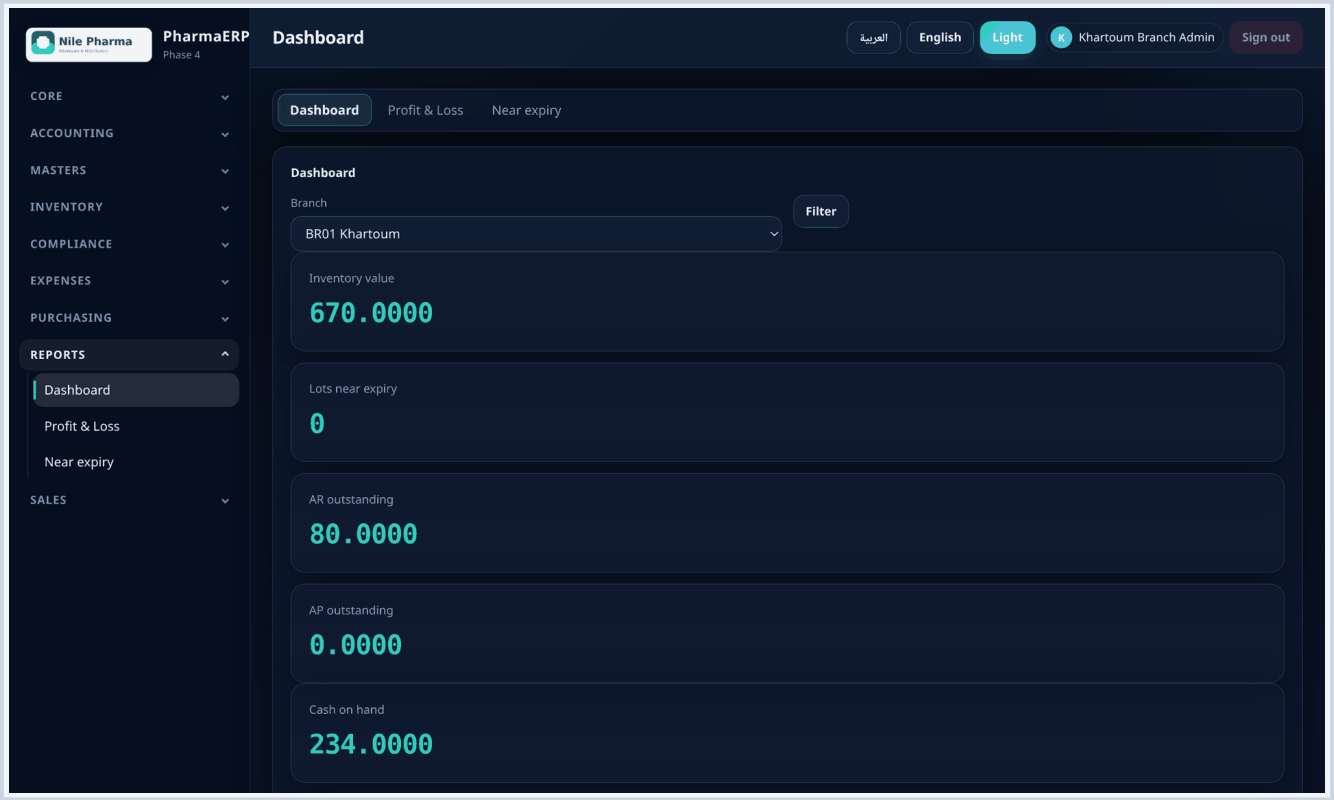
4. Multi-branch operation

PharmaERP is multi-branch at its core: every purchase, sale, expense, stock lot and journal line belongs to a branch, and every report can be read consolidated or filtered to one branch. The seeded demo runs three branches:

- BR01 Khartoum - the sales day, expenses and part of the purchasing
- BR02 Omdurman - the replenishment flow: purchase order, goods receipt, supplier invoice
- BR03 Main Office - head office, kept free of demo transactions

Branch admins — one branch each

On the Users screen (Core - Users) give a user the Branch Admin role and bind them to exactly one branch. When that person logs in they land on the dashboard already filtered to their branch, and everywhere else they see only their branch: stock, sales, expenses, purchase requests and reports. Other branches do not exist for them - not in lists, not in reports, not by typing a URL. The super admin and unbound central staff keep seeing everything.

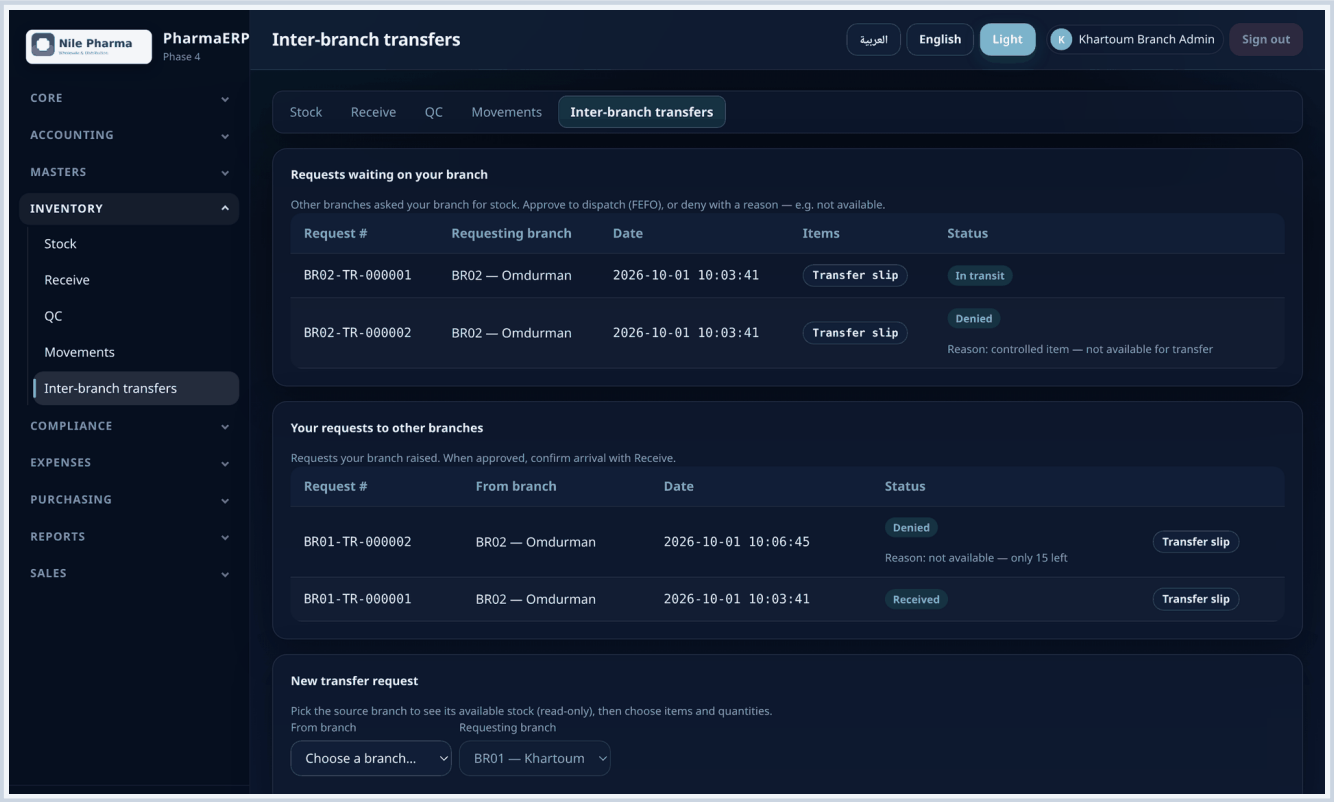


The BR01 branch admin's dashboard: locked to Khartoum, no branch choice.

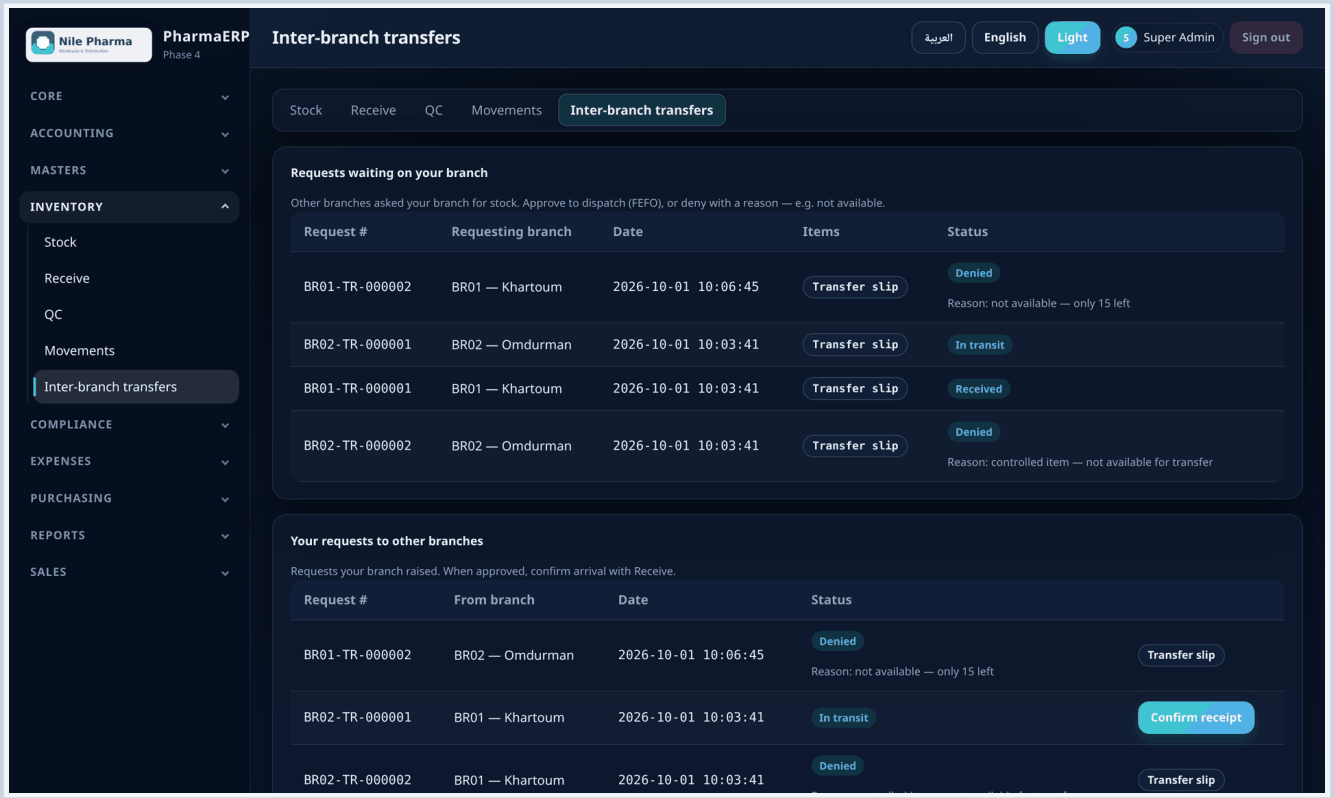
Requesting stock from another branch

Inventory - Inter-branch transfers is the two-way counter. A branch that runs short raises a request against another branch: pick the source branch, see its available stock (read-only - item, nearest expiry, on-hand quantity), choose items and quantities, send. The request appears immediately in the source branch's queue, where their Branch Admin approves or denies it - a denial carries a reason (for instance: not available, only 15 left) that the requester sees. Approving dispatches the goods FEFO out of the source warehouse; the transfer is then in transit until the requesting branch

confirms receipt, which books the same batches into its own warehouse as available stock. Every step prints a three-signature transfer slip (issued by / carried by / received by).



The transfers screen as the BR01 branch admin: the queue waiting on the branch and the branch's own requests.



The same screen for the super admin: every branch's requests, queues and statuses.

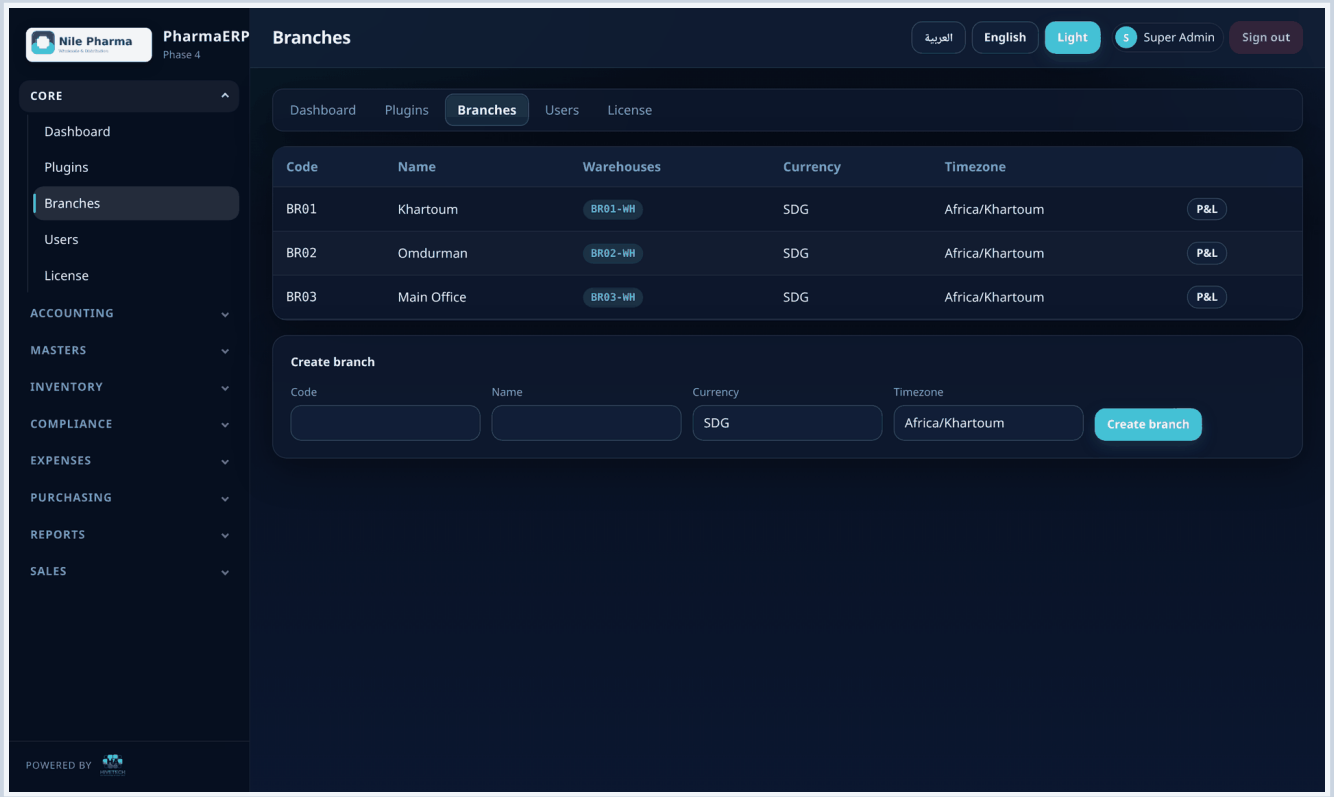
Ordering a purchase from the main branch

Branches do not buy on their own: a Branch Admin raises a purchase request (Purchasing -

Requests) for his branch and submits it. The request lands with the central buyer - the main-branch administrator - who sees every branch's requests, approves or rejects them and turns approved ones into purchase orders, goods receipts and supplier payments. The demo ships a submitted BR01 request so you can try the approval from the administrator account.

Branches, warehouses and cost centers

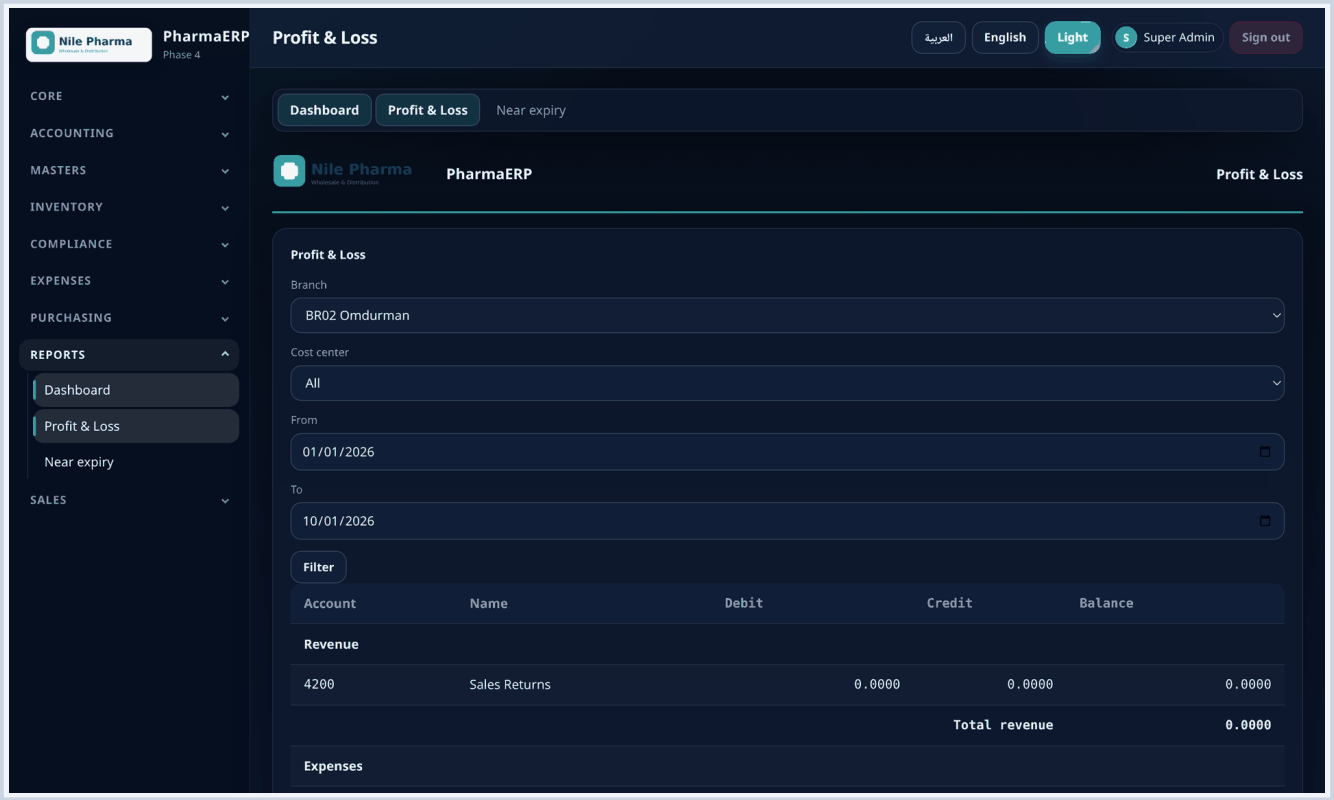
Each branch owns a warehouse (stock is held per warehouse, never shared between branches) and a cost center (expenses and results are attributed per branch). The Branches screen (Core - Branches) lists every branch with its warehouse codes and links straight to each branch's P&L. New branches are created on the same screen - code, name, currency, timezone - and receive their own warehouse and cost center automatically. Your license may cap the number of branches.



The Branches screen: three seeded branches with their warehouse codes and a per-branch P&L link.

Per-branch reports

Every report - P&L, trial balance, balance sheet, income statement, near-expiry, stock - opens consolidated and carries a branch selector. Filter to one branch to see only its numbers; the demo makes this vivid: BR01 carries the sales day while BR02 carries the replenishment costs. The P&L link on the Branches screen opens the same report pre-filtered.



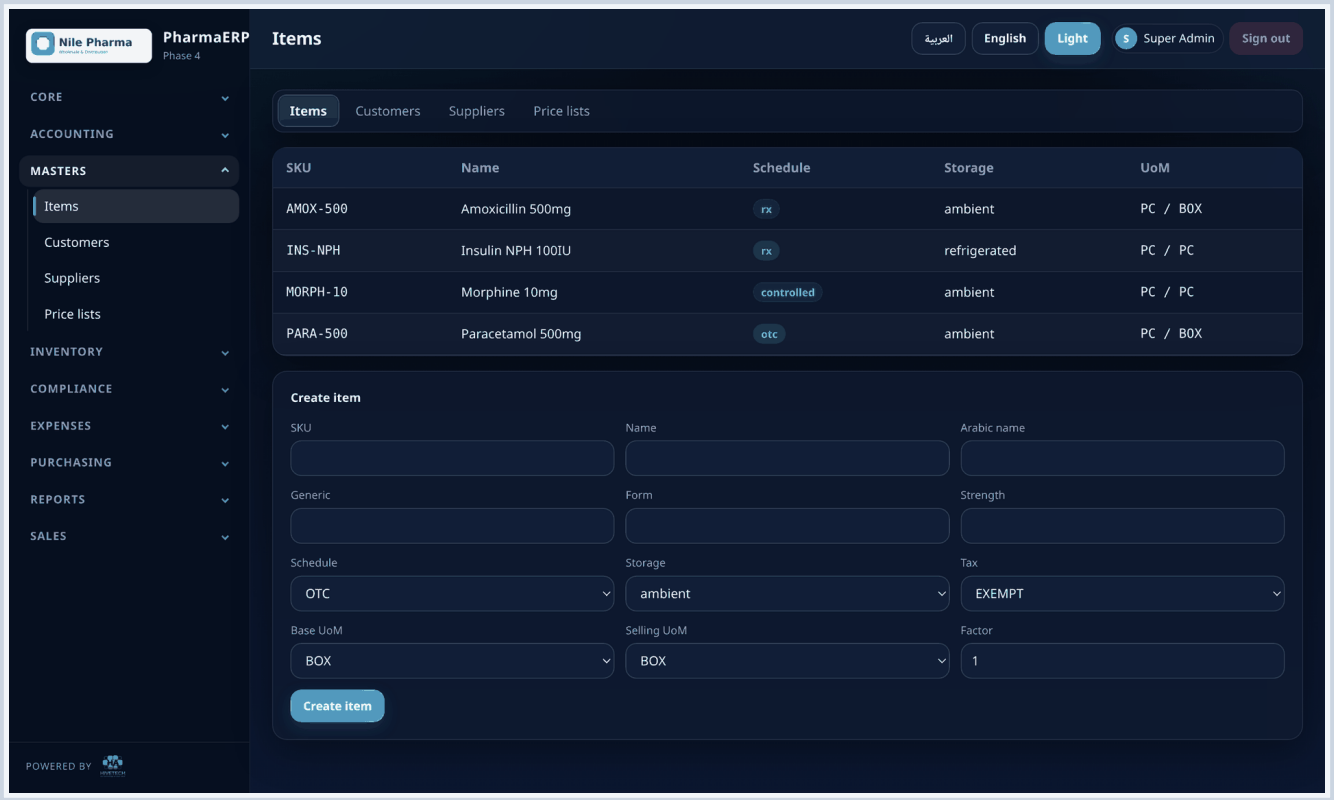
P&L filtered to BR02 Omdurman: the replenishment costs without BR01's sales day.

Branch-scoped documents

Documents are entered against a branch everywhere: purchase requests, orders and GRNs, sales invoices and receipts, expenses (with a branch cost center) and stock receipts. The audit log records which branch each action belongs to, and Settings values can be defined system-wide or per branch.

5. Masters

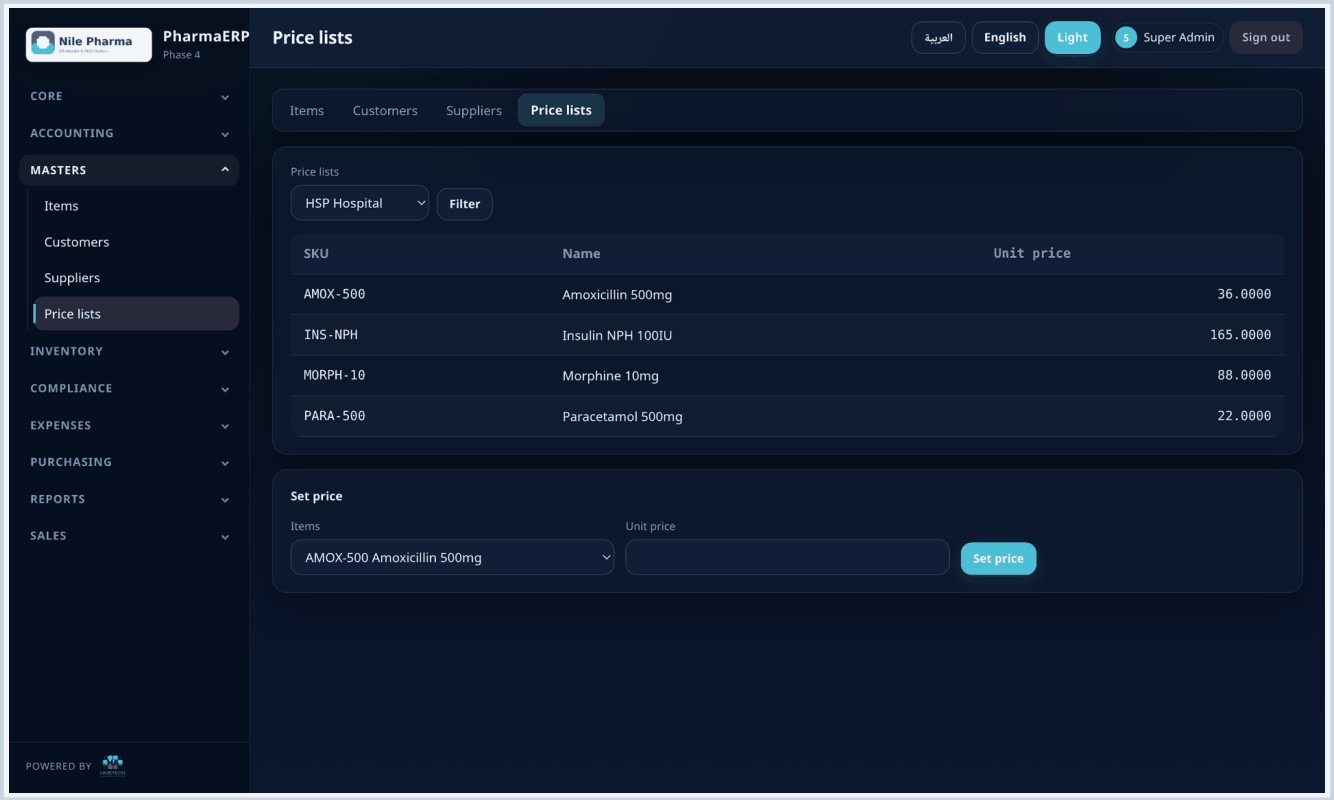
Items and units of measure



Item master: SKU, base unit, additional units with conversion factors, control flags.

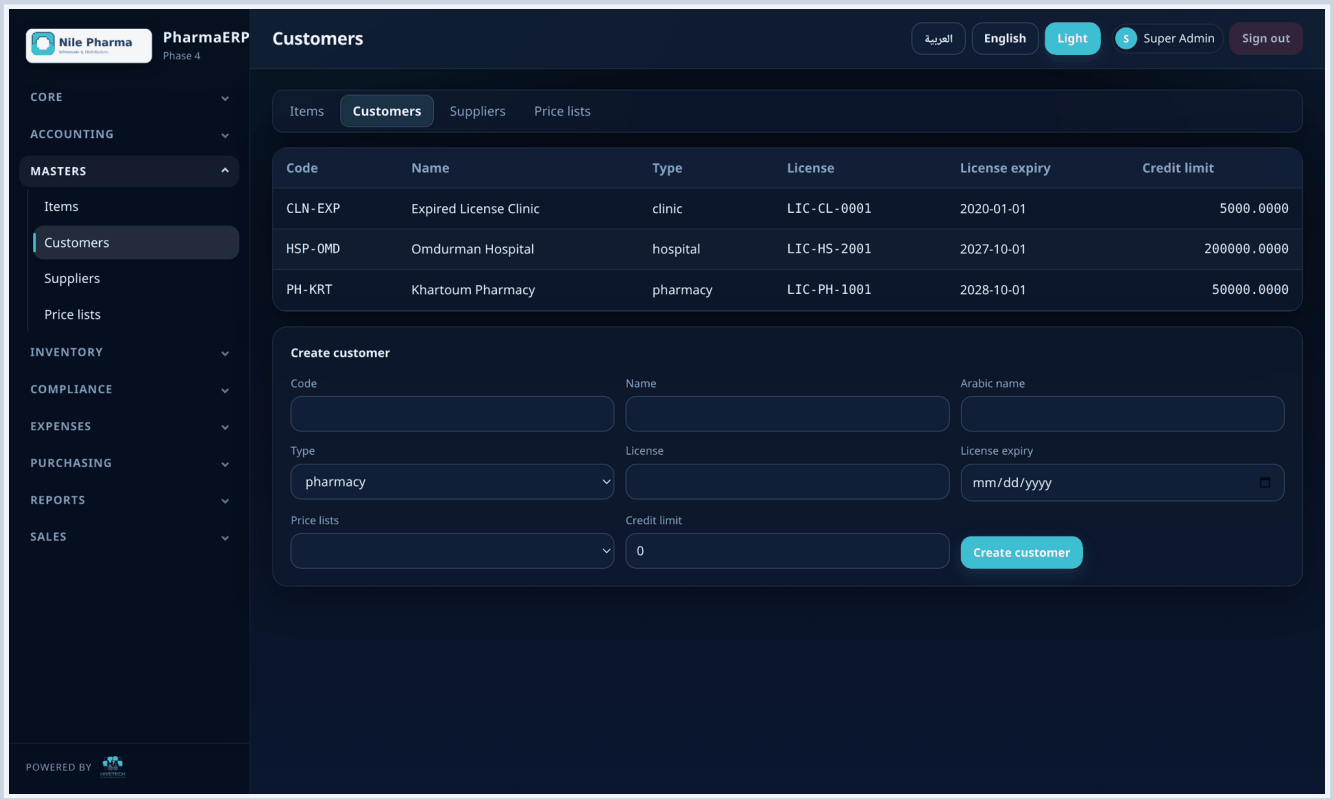
Each item has a base unit (e.g. tablet box) and any number of additional units with explicit conversion factors. Documents capture quantities in any of the item's units; the ledger and stock engine always convert to the base unit. Controlled items are flagged here — the flag drives the narcotics register and dual-authorization gates.

Price lists

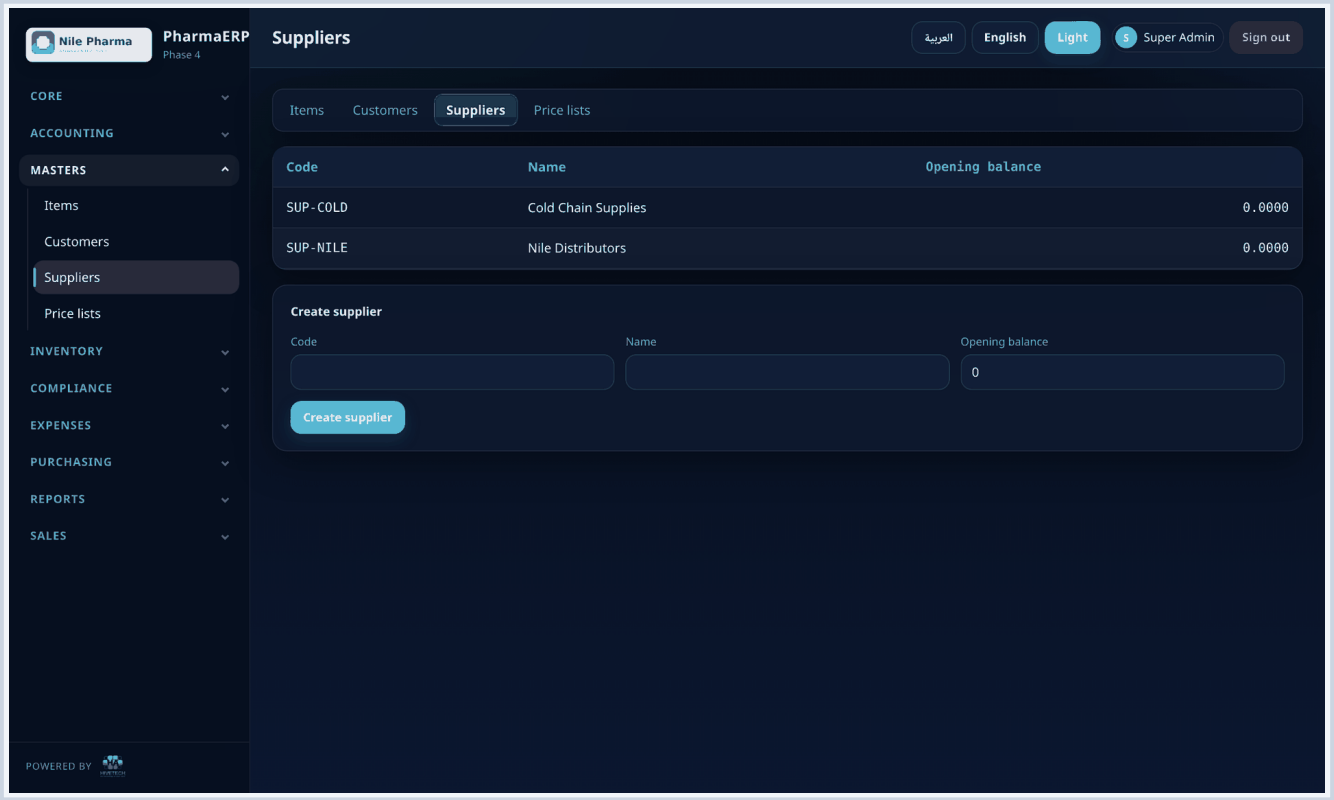


Price lists per customer segment or branch, effective-dated.

Customers and suppliers



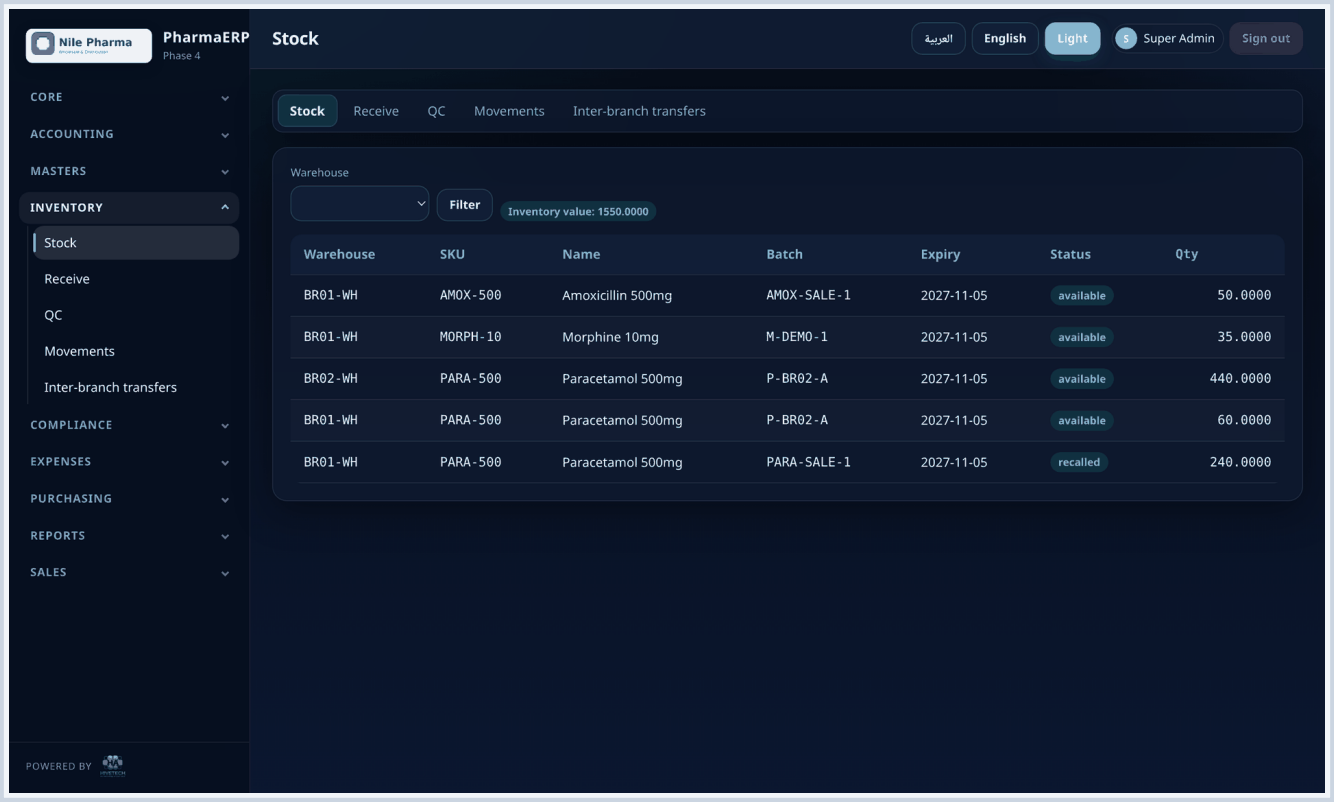
Customer master with credit terms used by AR ageing.



Supplier master used across the purchasing cycle.

6. Inventory

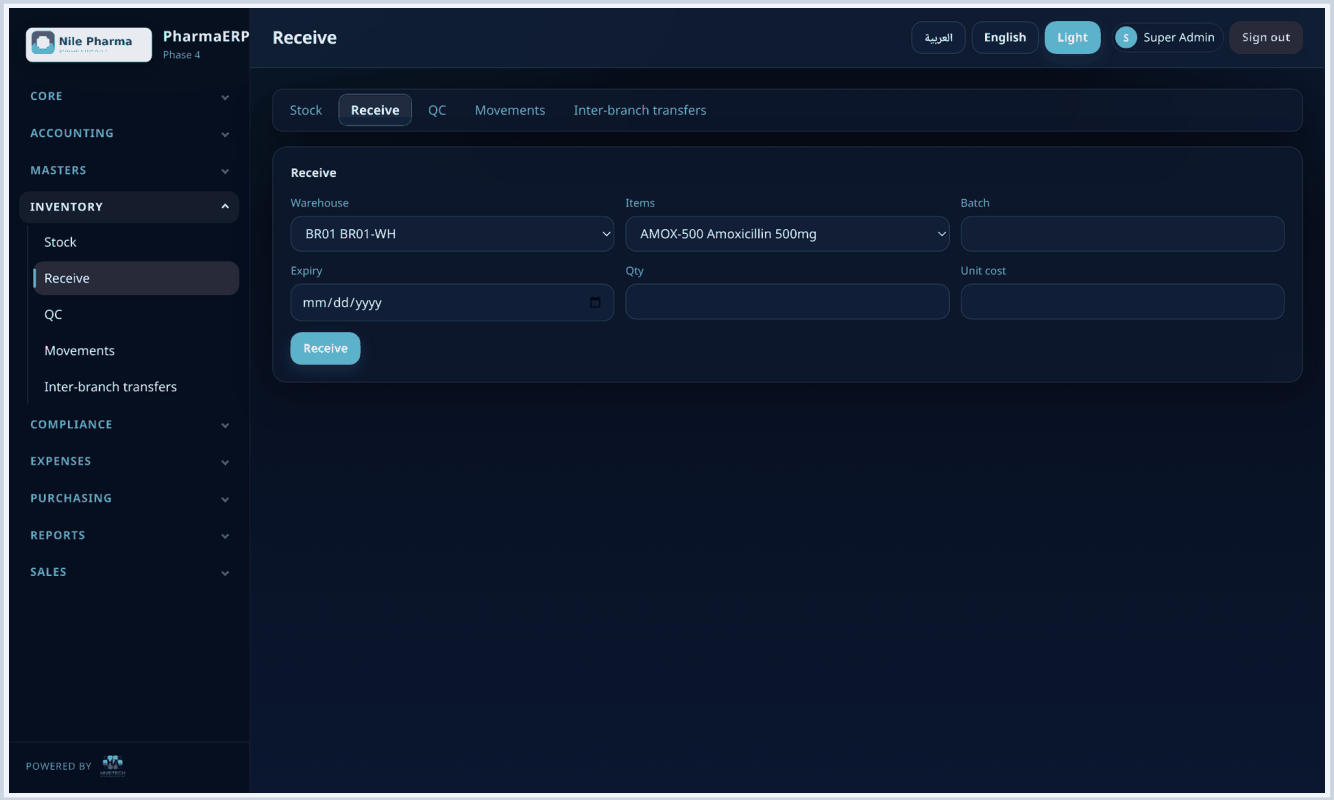
Stock lots



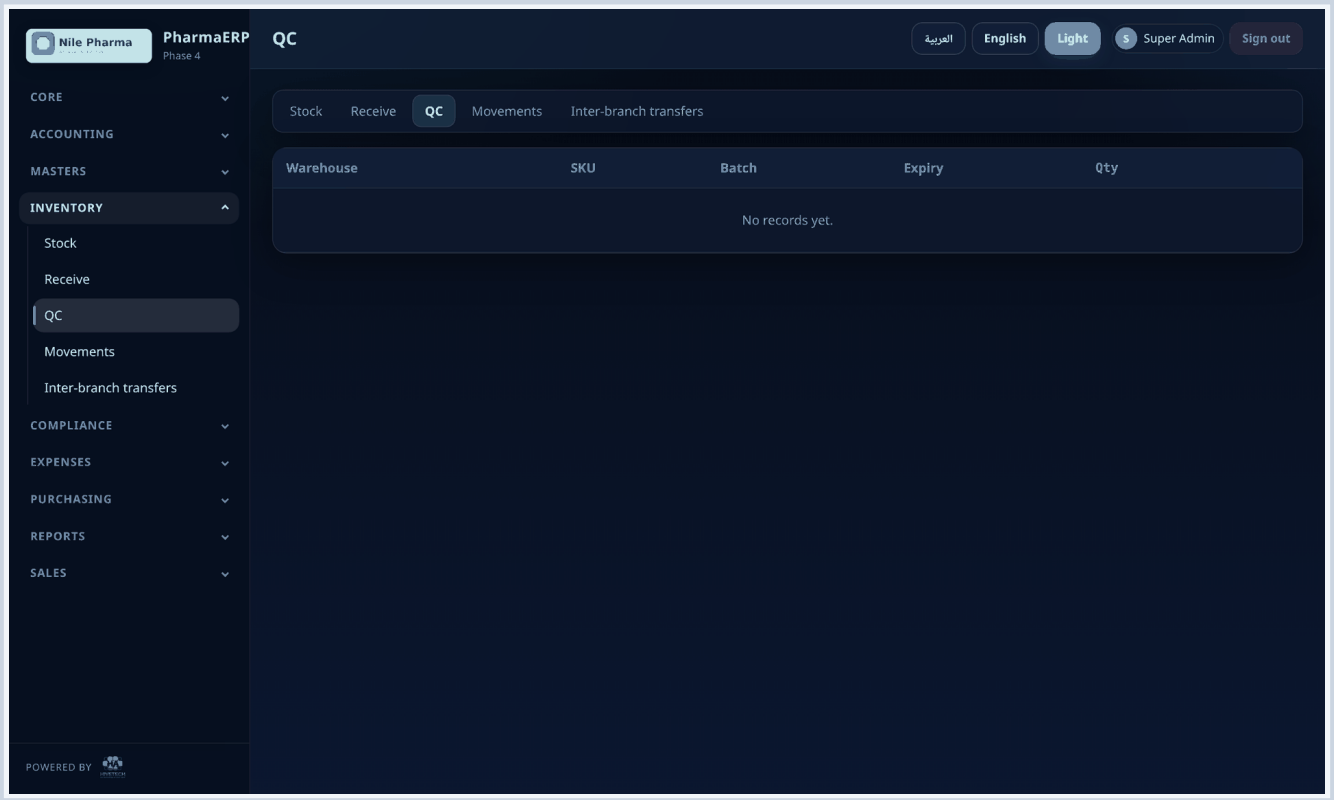
Stock positions by lot: quantity, expiry, quarantine status, cost.

Stock is held as lots, not as a single number: every receipt creates a lot with its own expiry date, cost and quarantine status. Issuing always follows FEFO — first-expiry, first-out — so the oldest stock leaves first automatically.

Receiving and quarantine



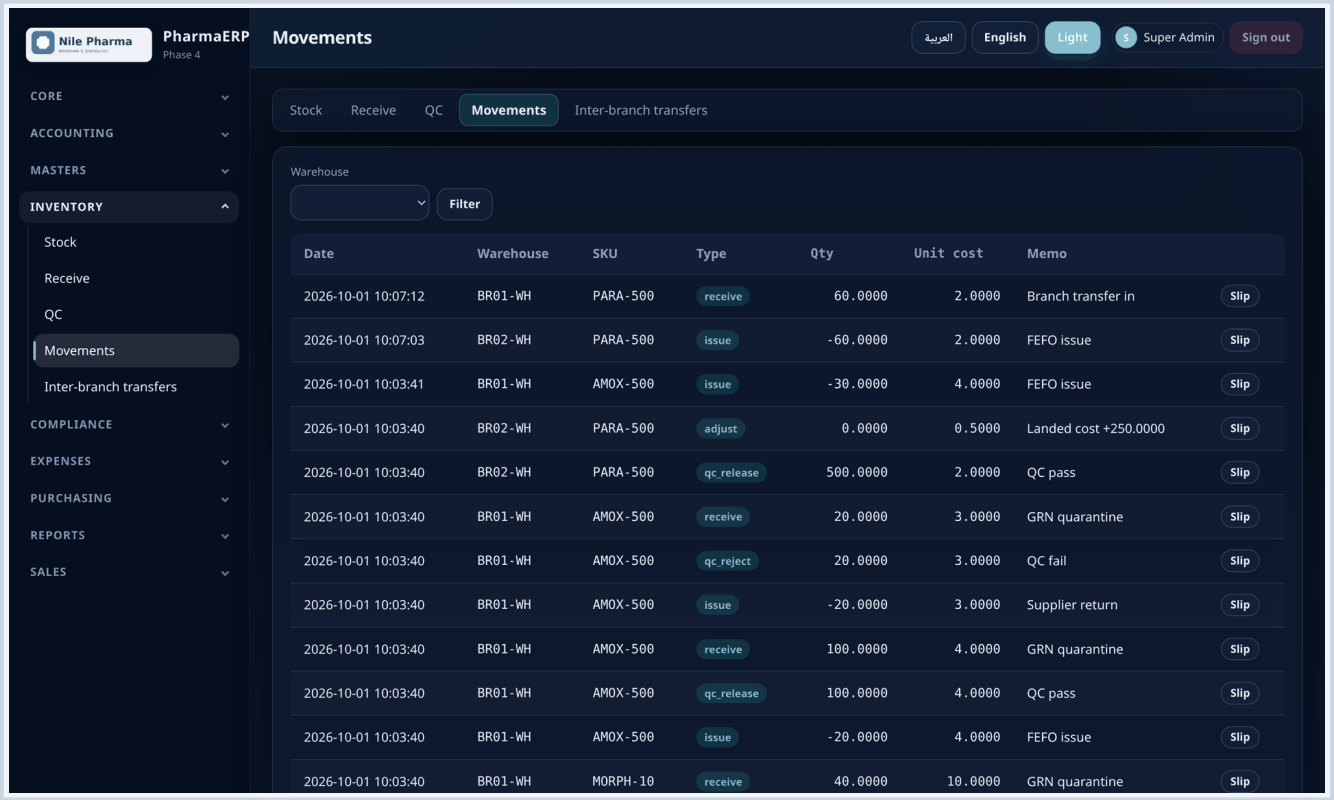
Receive goods against a purchase order into the branch warehouse.



Quarantine: lots wait here until QC passes them into sellable stock.

Received lots land in quarantine. A QC pass releases the lot; a QC fail can split or scrap it. Quarantined stock is never issued to customers and never counted as sellable.

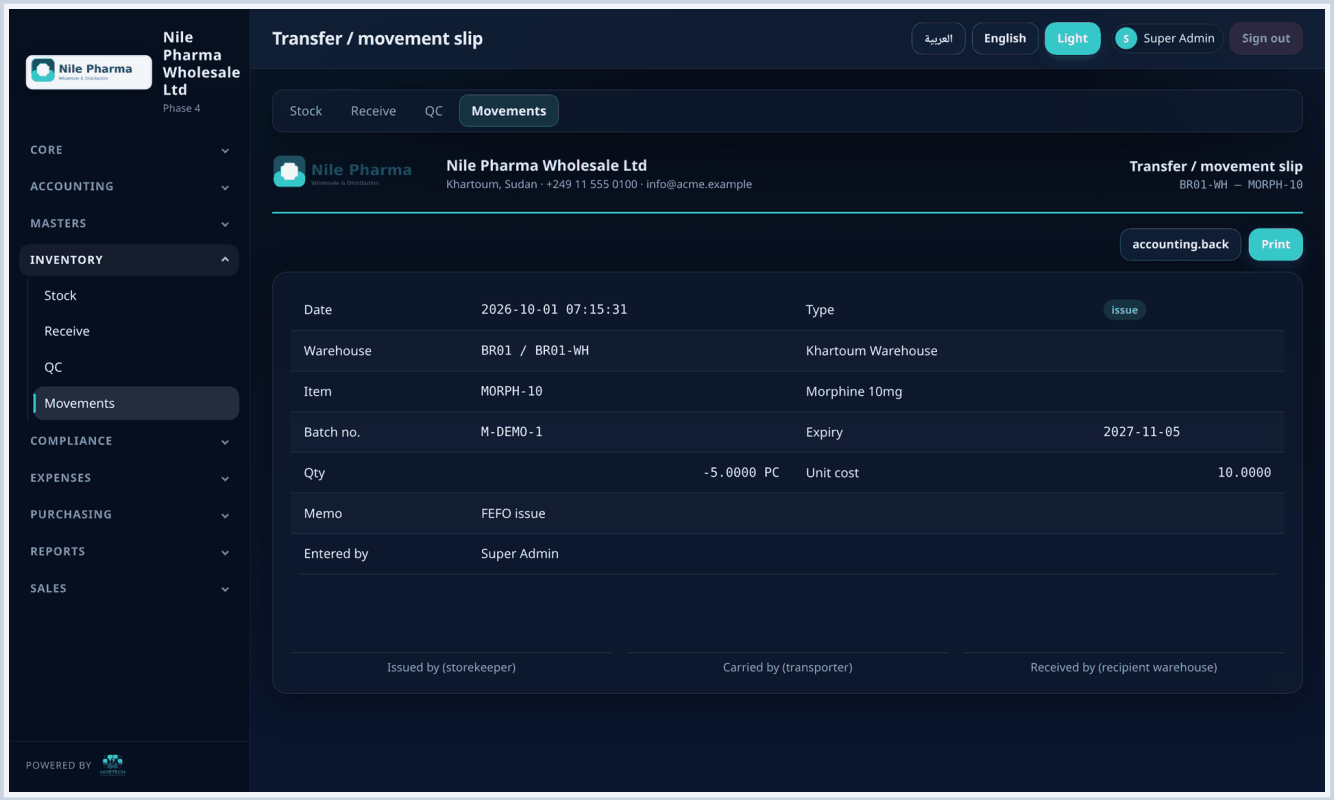
Movement history



Every stock movement — receipt, QC, issue, return, recall freeze — with its document reference.

Movement slips (transfer documents)

Every stock movement can be printed as a transfer slip: the Movements screen has a Slip link on each row. The slip carries the company logo and details, the item, lot, batch number and expiry date, and three signature lines - issued by (storekeeper), carried by (transporter) and received by (recipient warehouse). Use it when goods physically move between warehouses or branches.

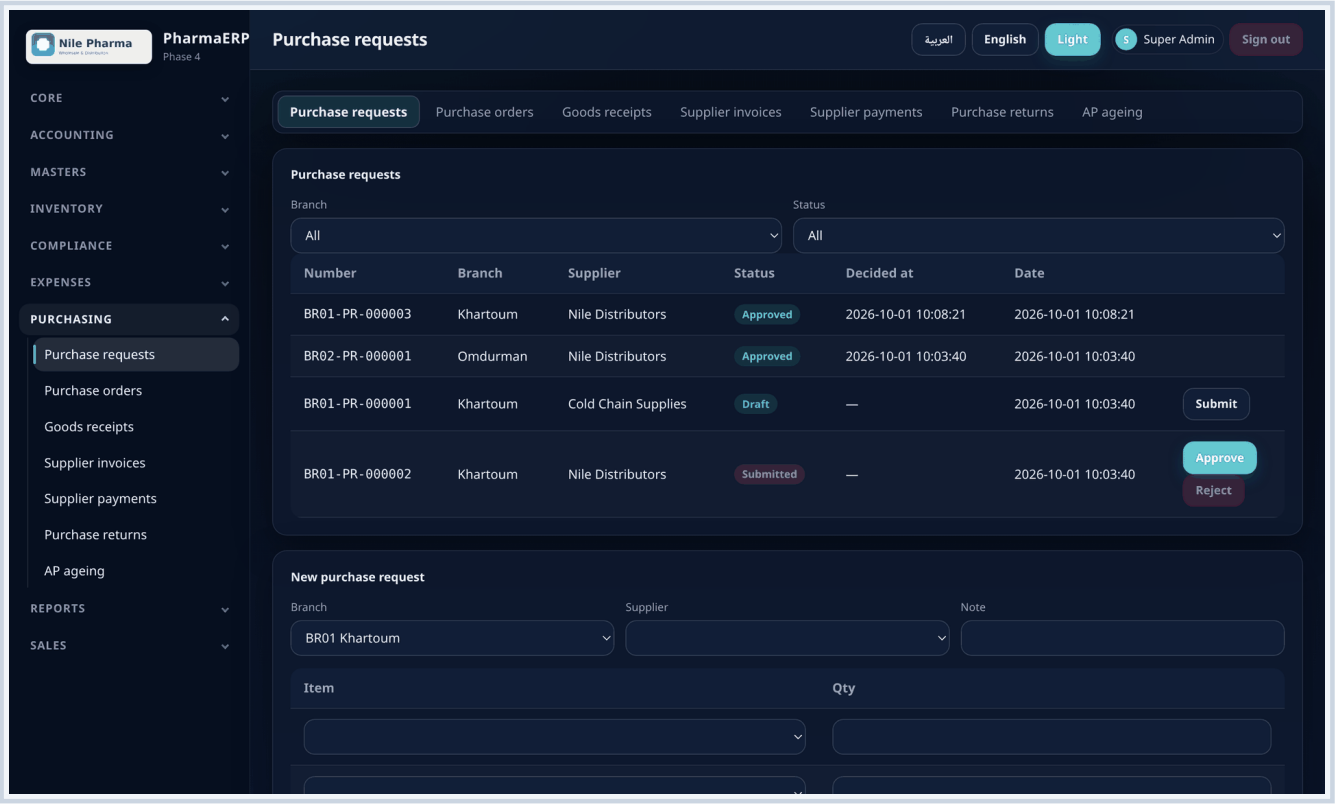


A printable transfer slip with the company logo and signature lines.

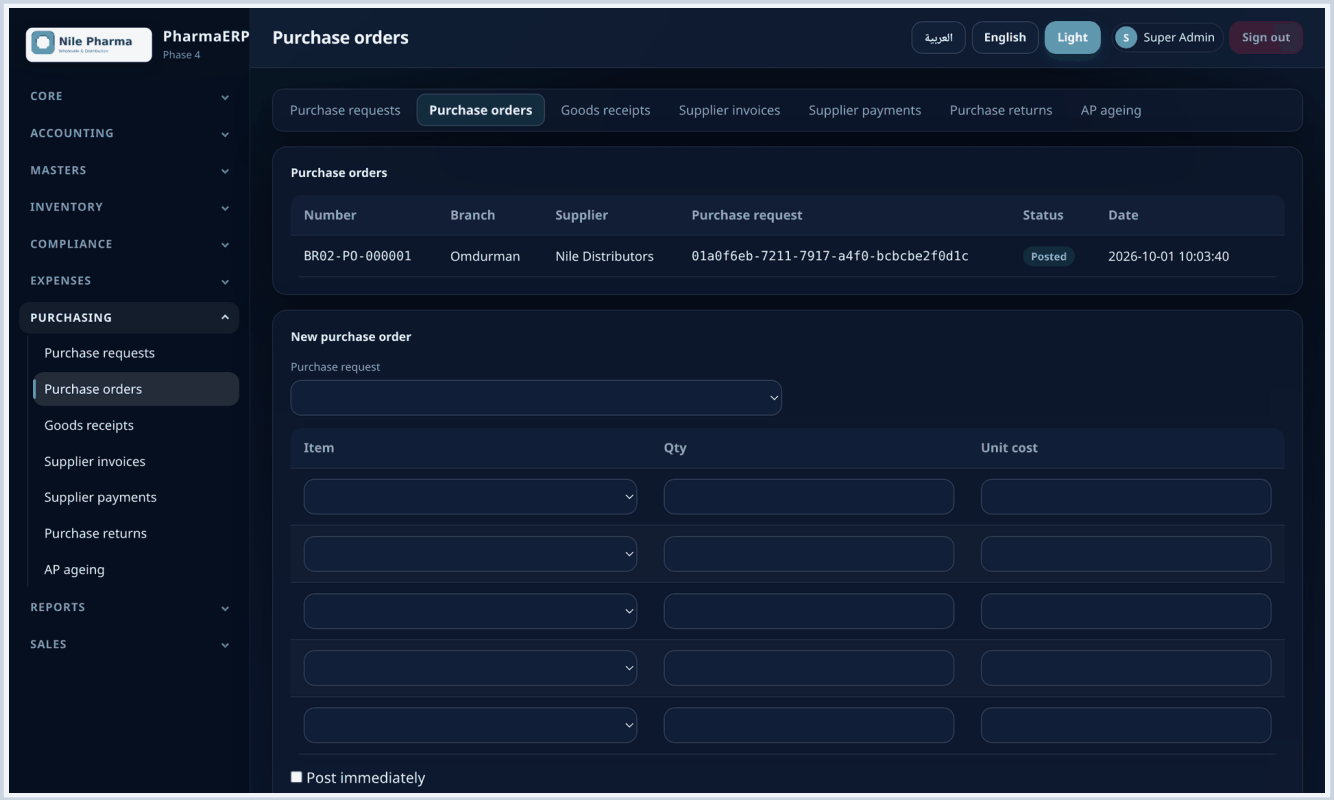
7. Purchasing

The purchasing cycle is a chain of linked documents, each with its own number series per branch (BR02-PR-000001 -> BR02-PO-000001 -> BR02-GRN-000001 -> BR02-PINV-000001).

Purchase requests and orders

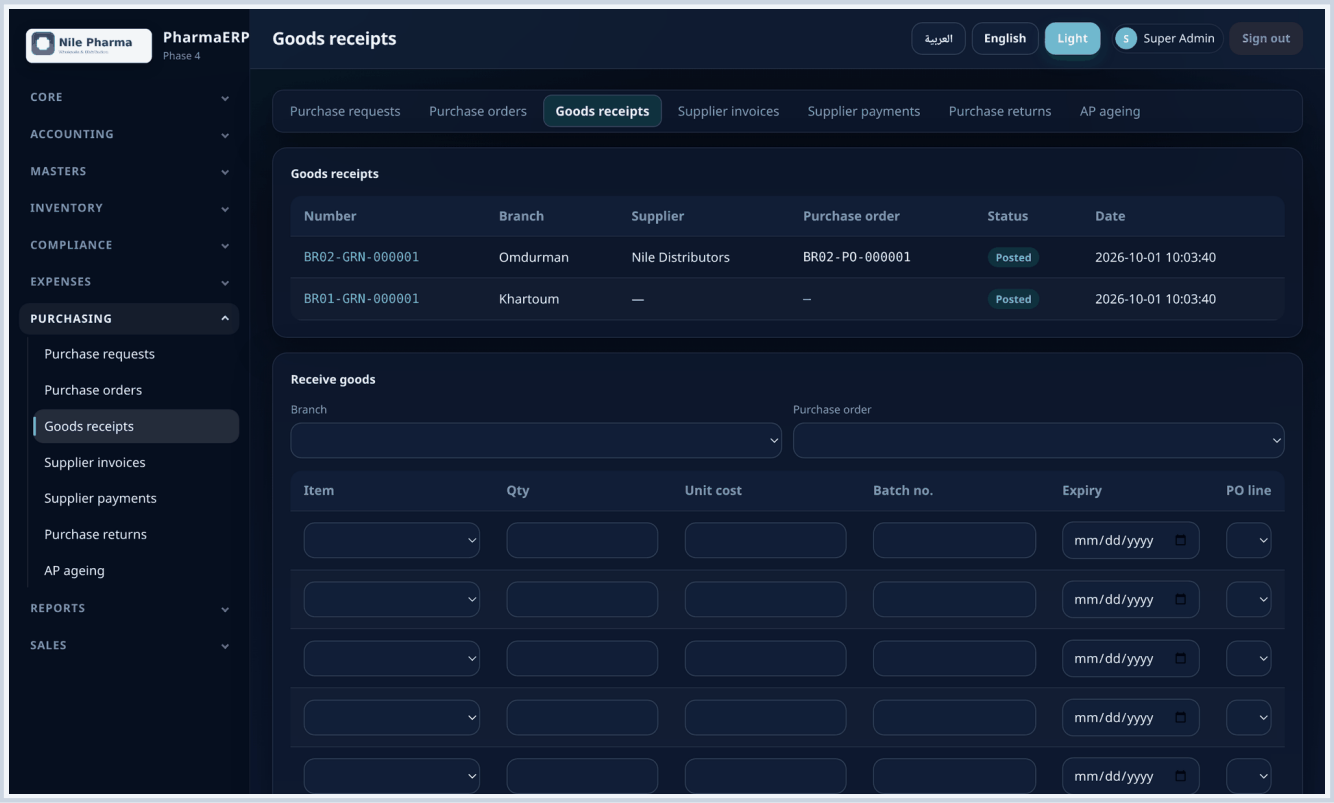


Purchase requests: draft -> submitted -> approved; approval gates the order.

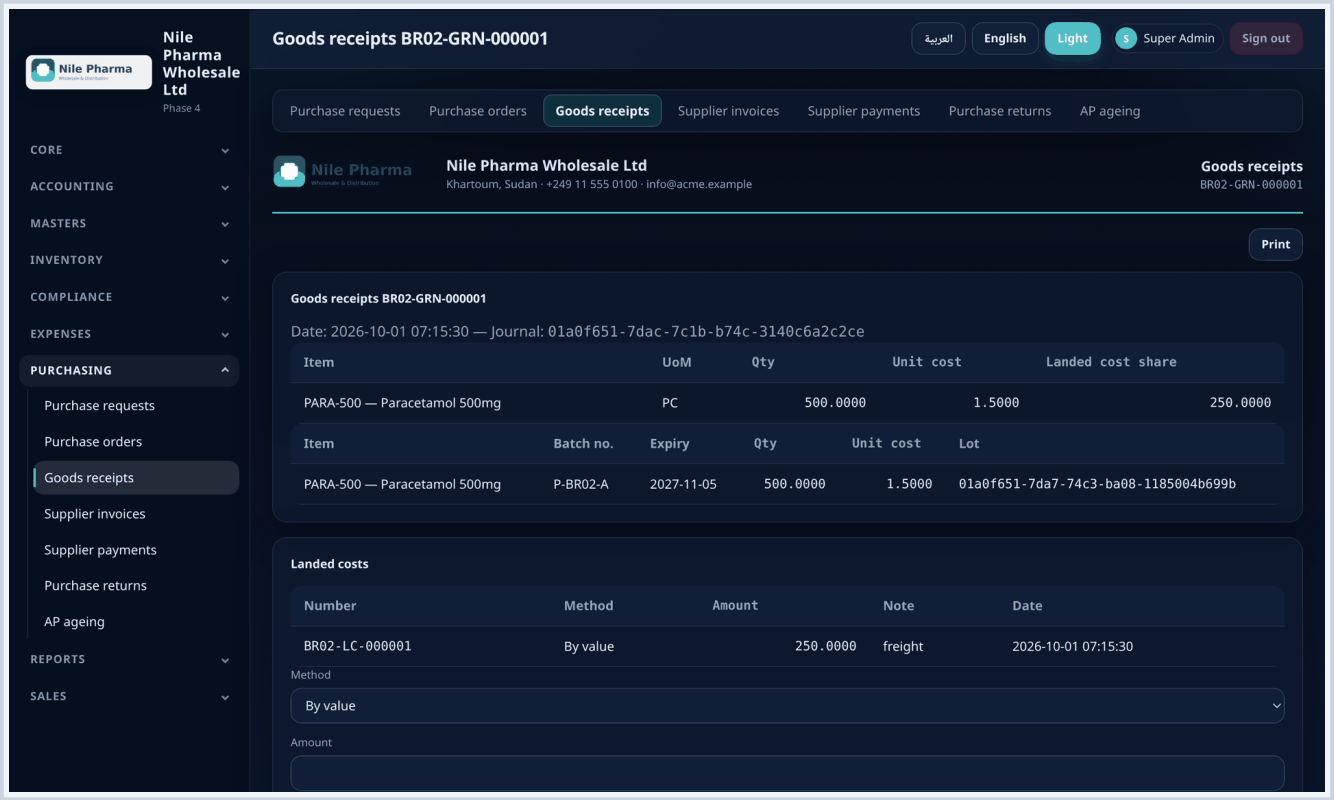


Purchase orders sent to suppliers.

Goods receipts (GRN)



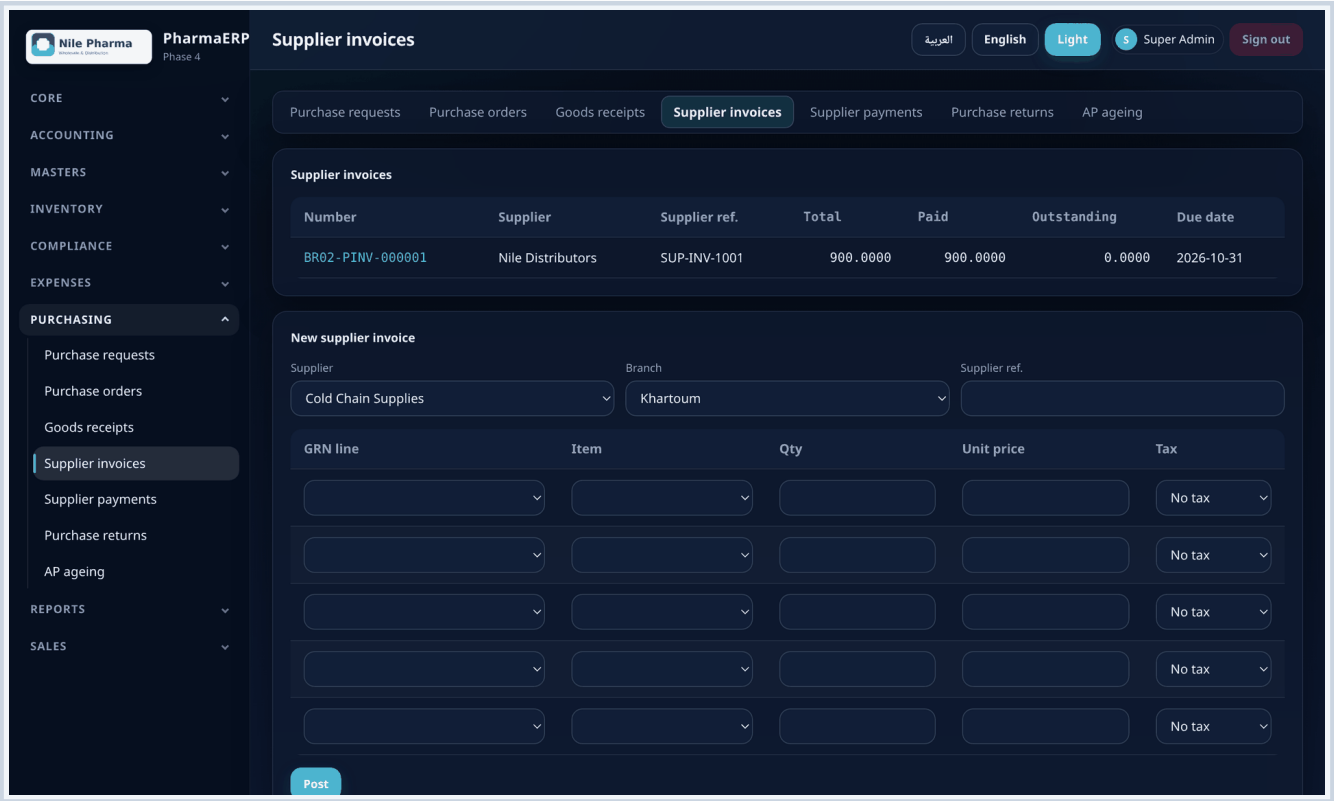
GRN list — receive against an order, or direct.



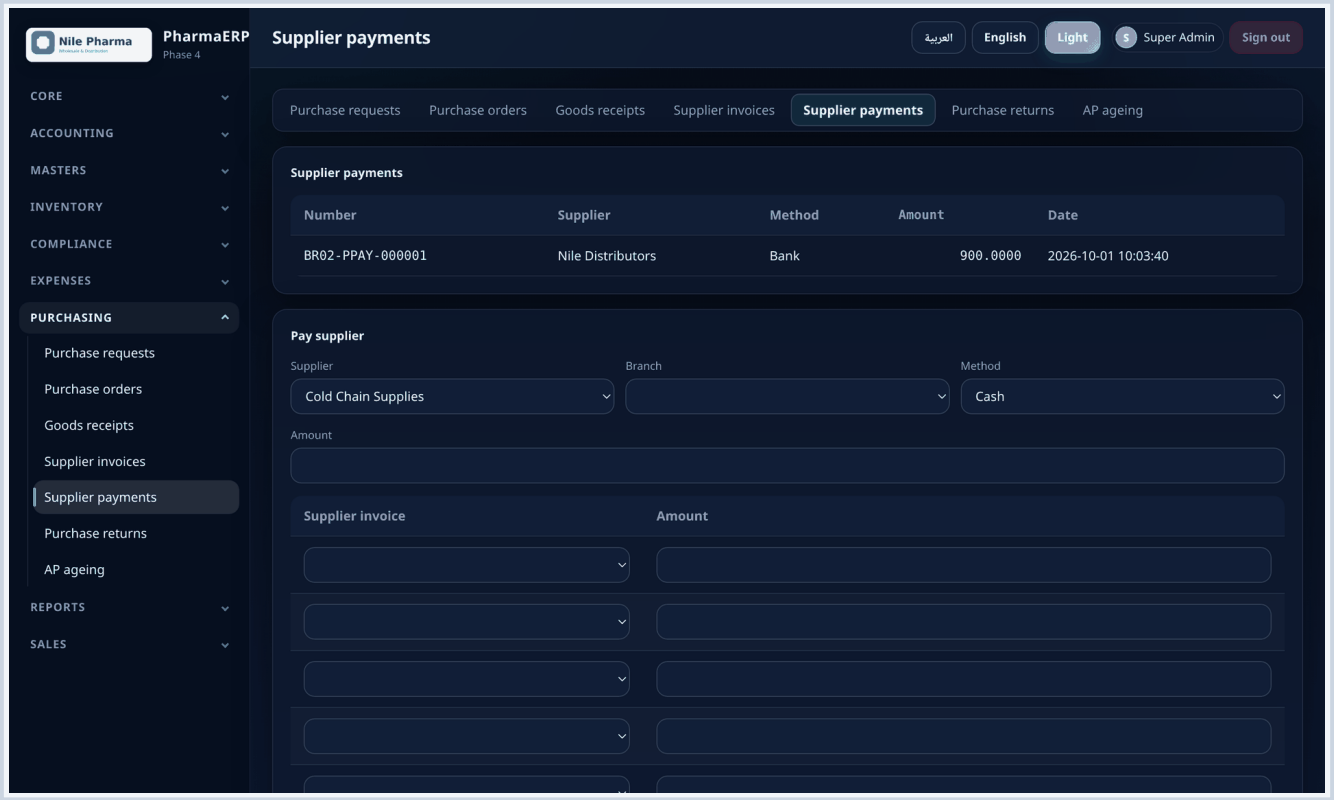
GRN detail: lines with lots, QC state, landed-cost allocation.

Landed costs (freight, customs, insurance) can be allocated over a receipt by value or quantity — the lot costs absorb them, so gross margin reflects reality.

Supplier invoices and payments

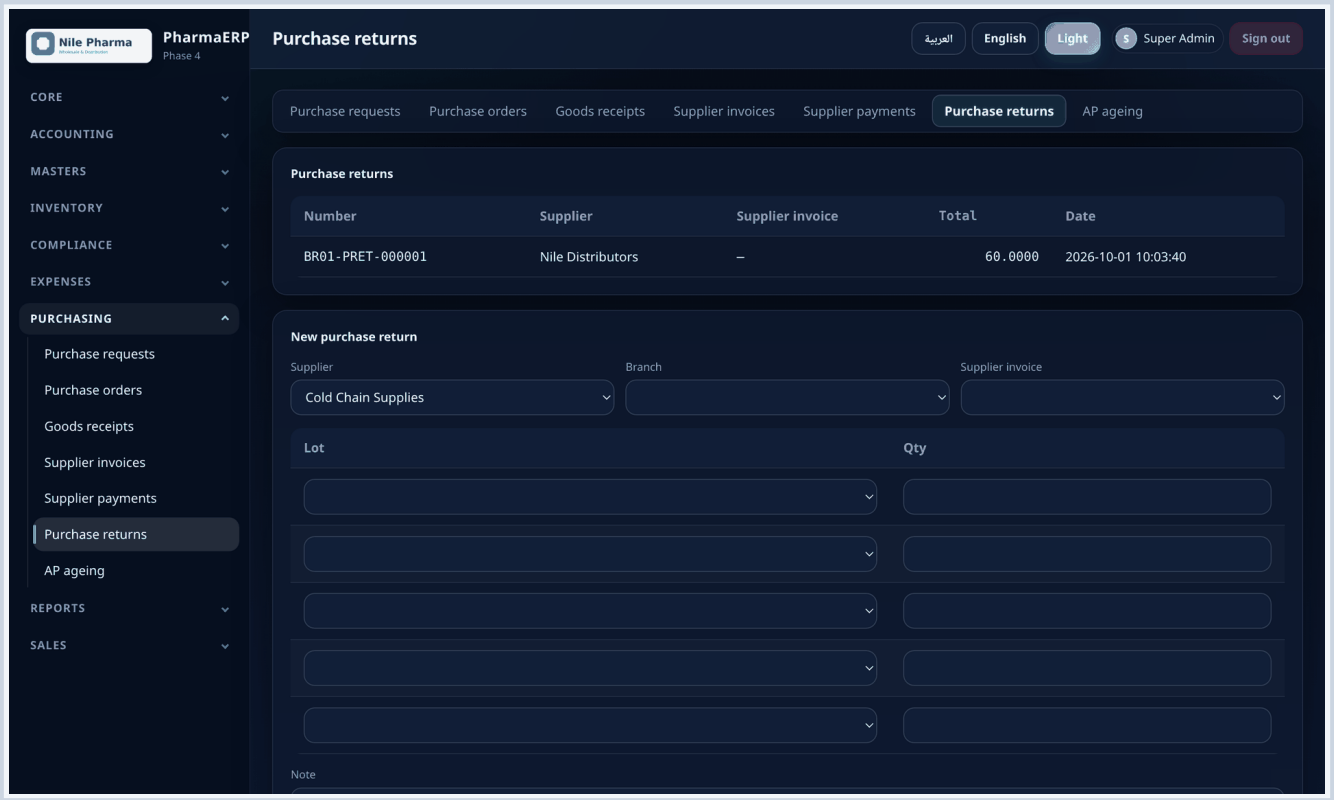


Supplier invoices matched to receipts.

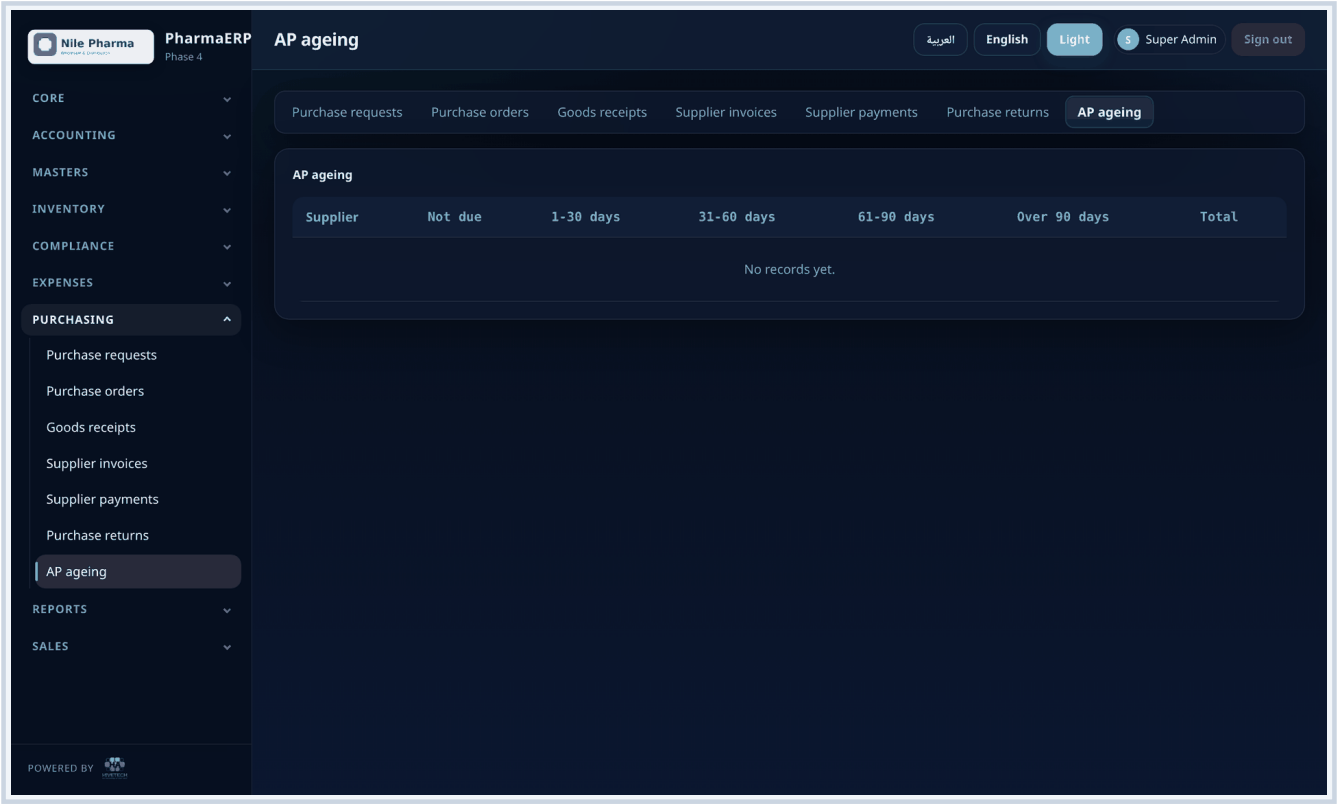


Payments: cash or bank, full or partial, with GL posting.

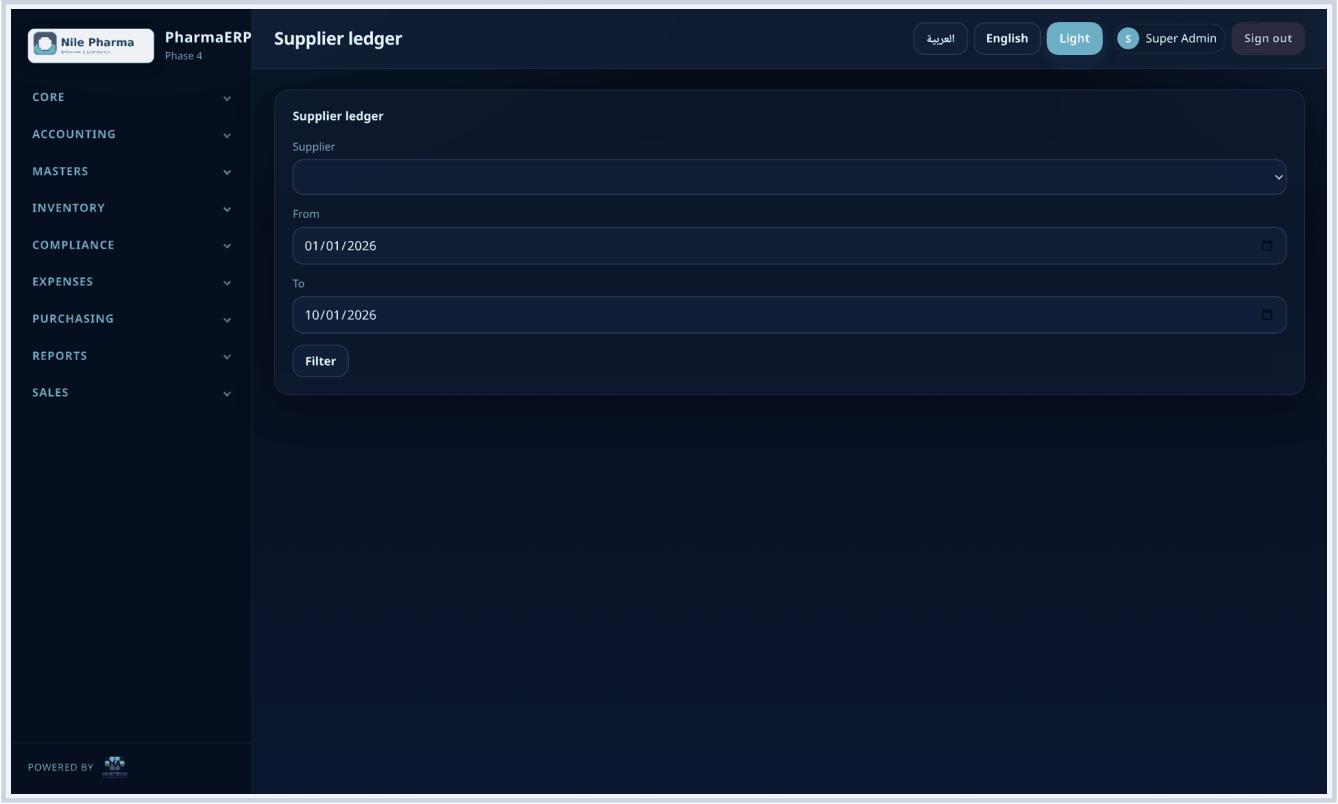
Returns, ageing and ledger



Return damaged stock to the supplier with its own document trail.



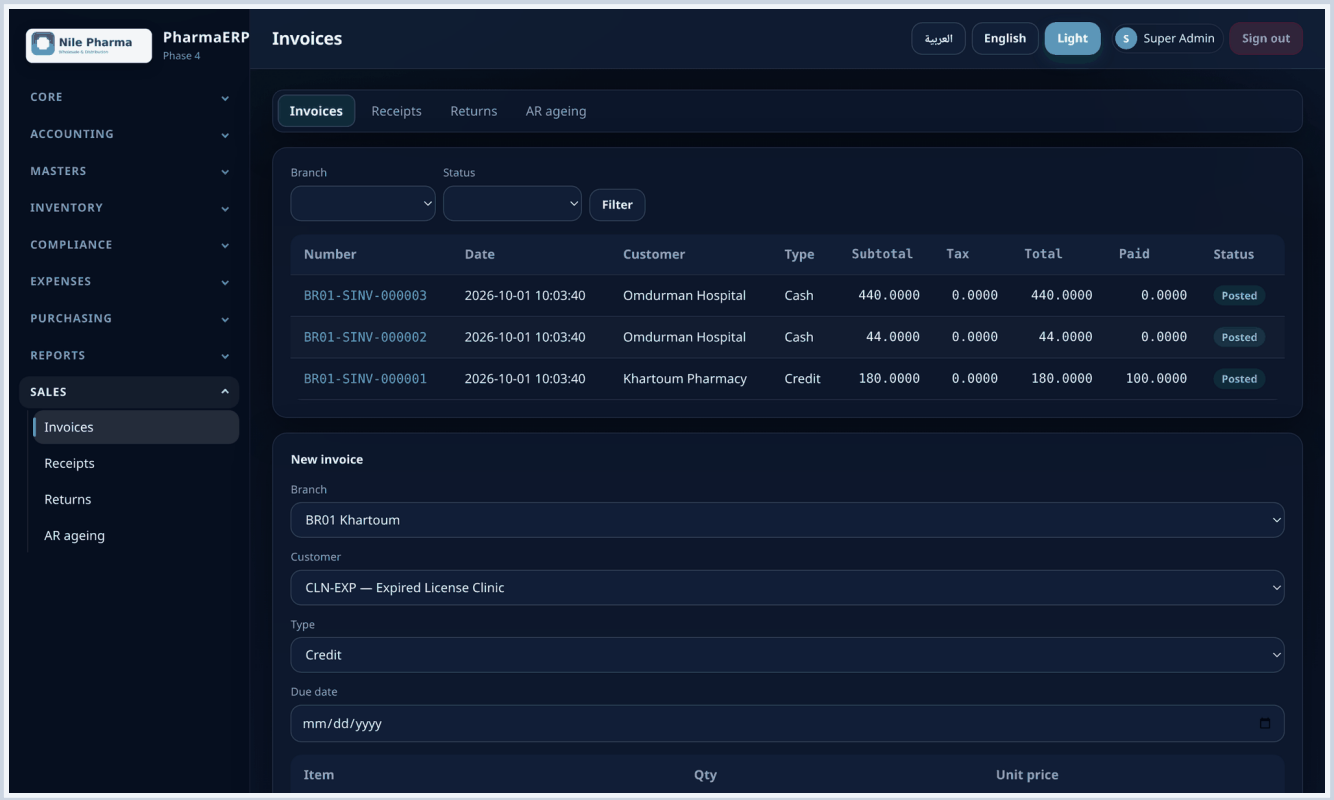
AP ageing buckets tell you what is overdue and by how much.



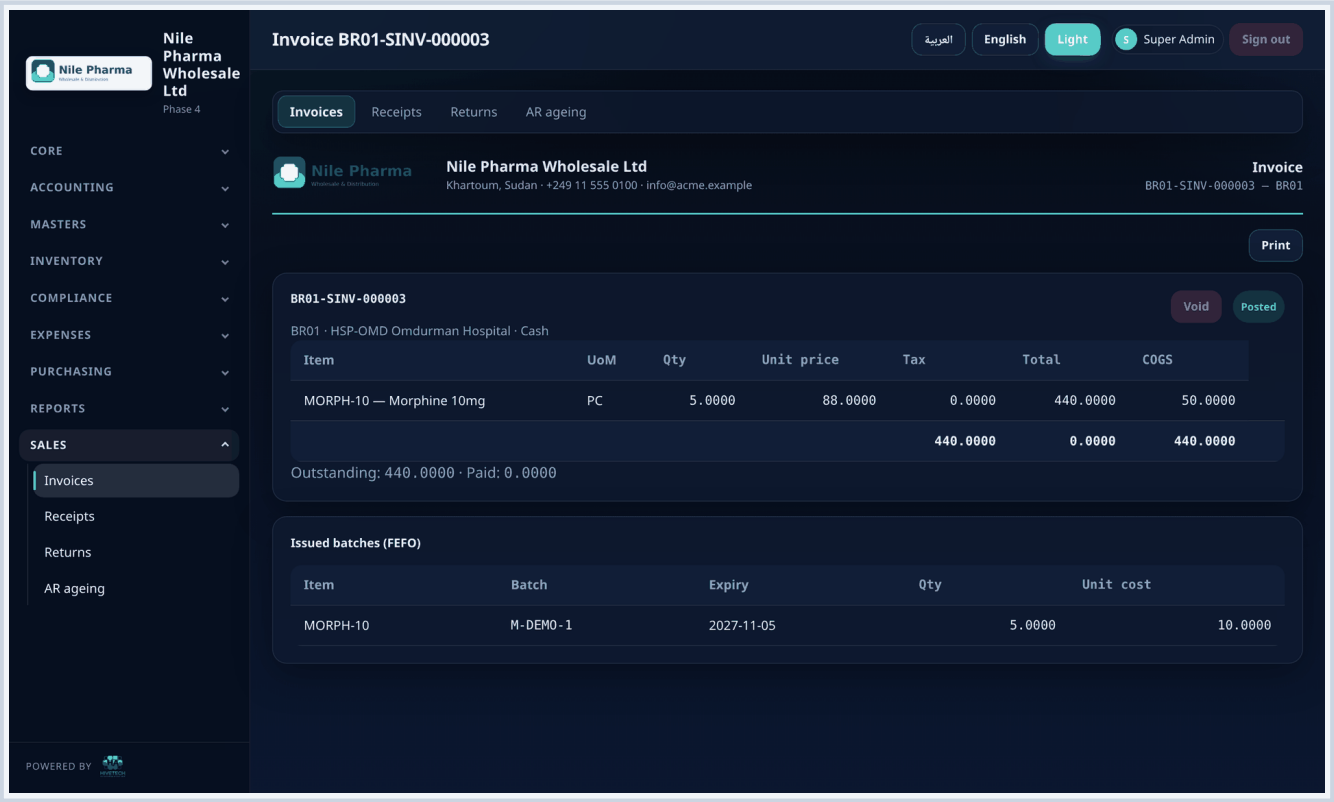
Supplier ledger: every invoice, payment and return in one statement.

8. Sales

Invoices



Sales invoices: cash or credit, per branch.

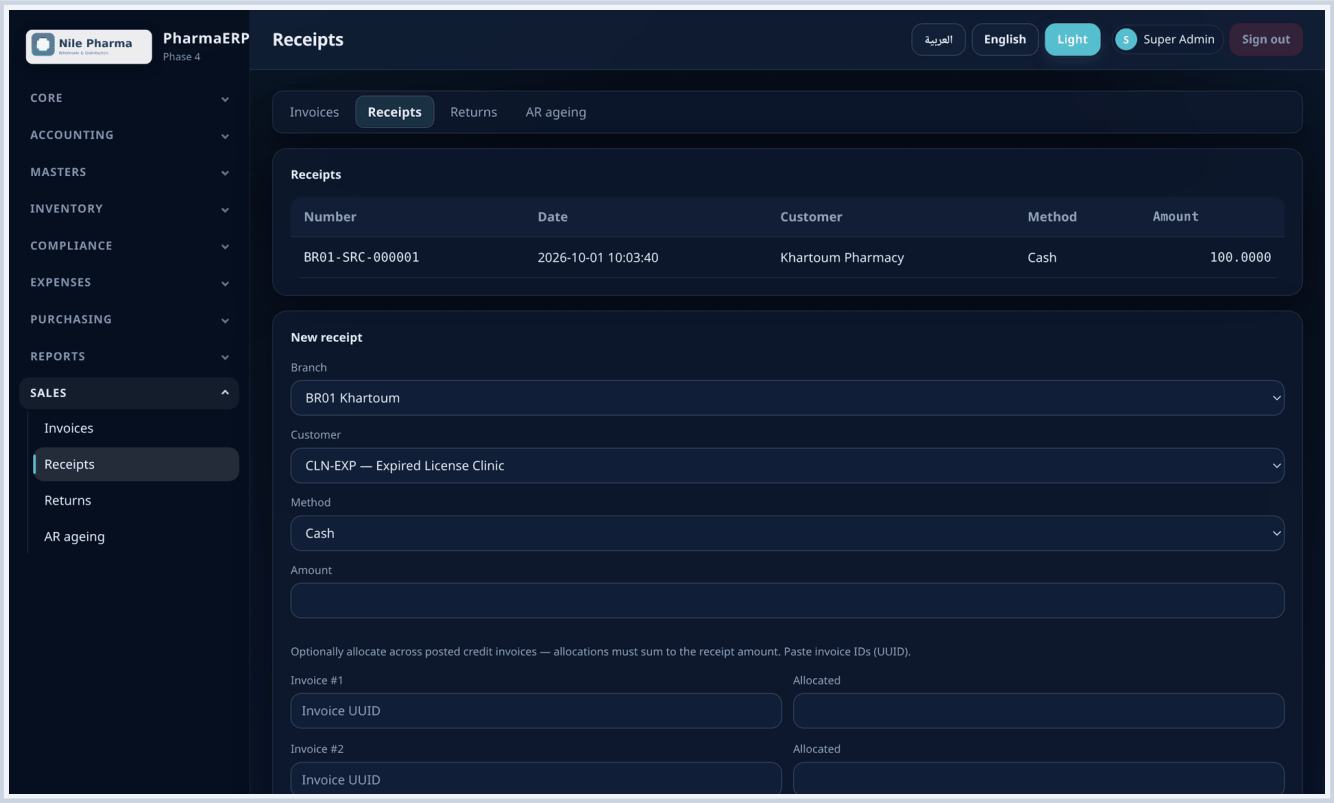


Invoice detail: lines issued FEFO from specific lots.

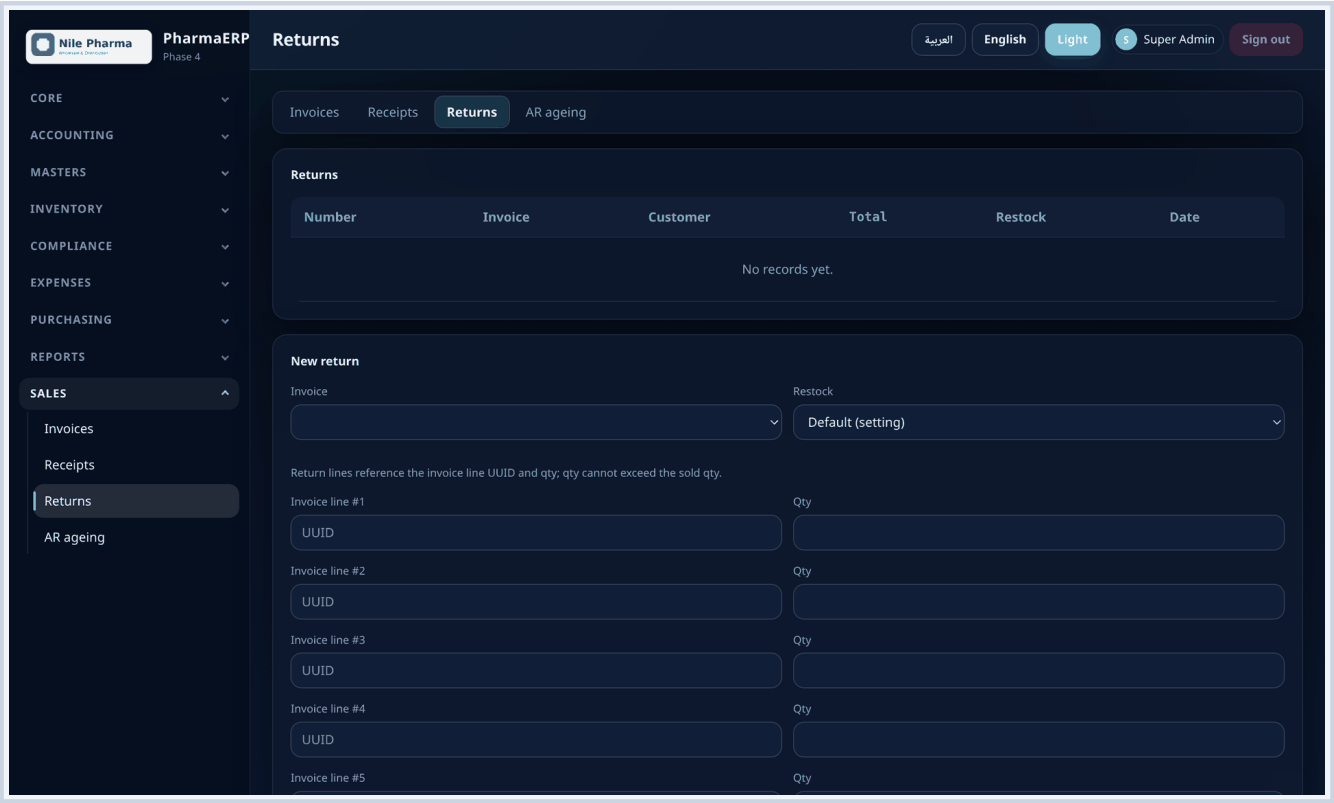
Posting an invoice issues stock lot-by-lot in FEFO order, records cost of goods sold, books revenue

and receivable/cash, and — for controlled items — requires the narcotics gate (chapter 10). Credit sales update the customer balance immediately.

Receipts and returns

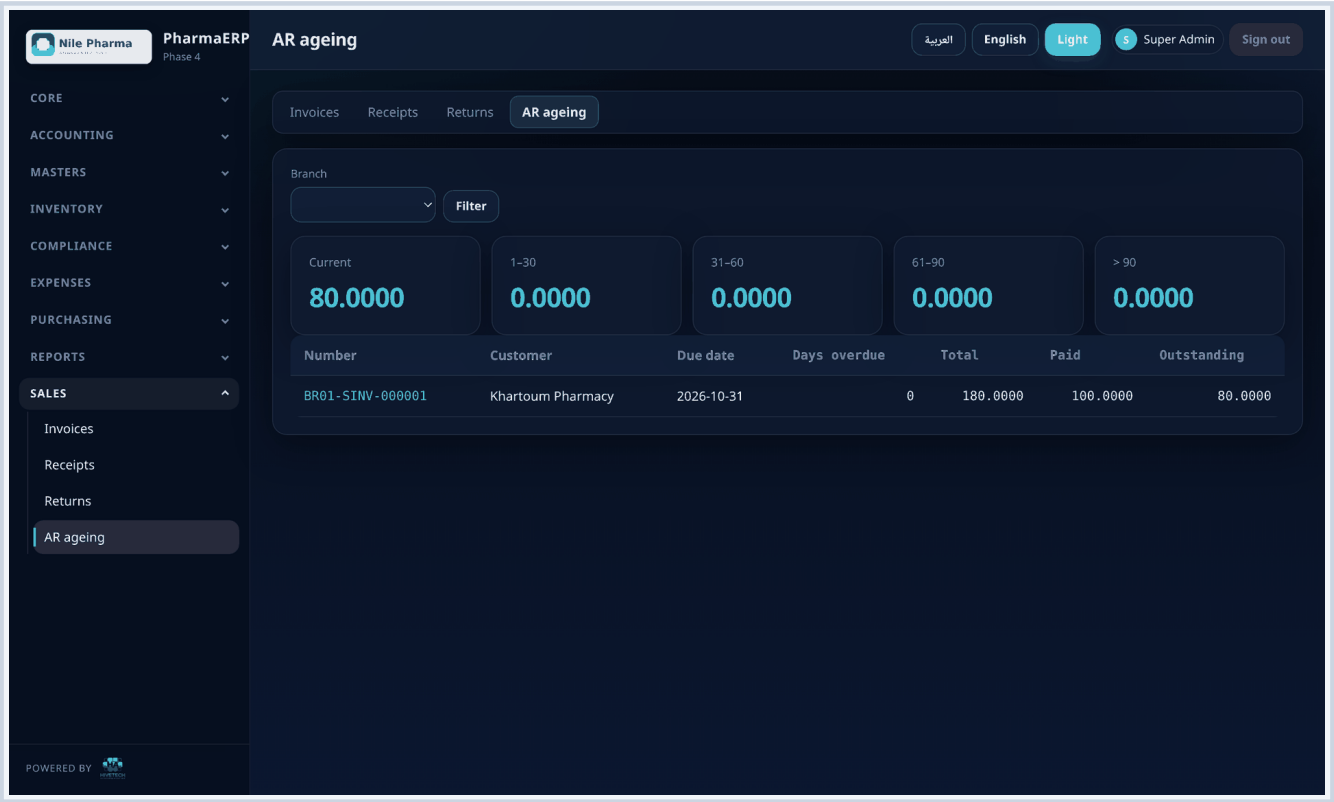


Customer receipts: full or part settlement, cash or bank.



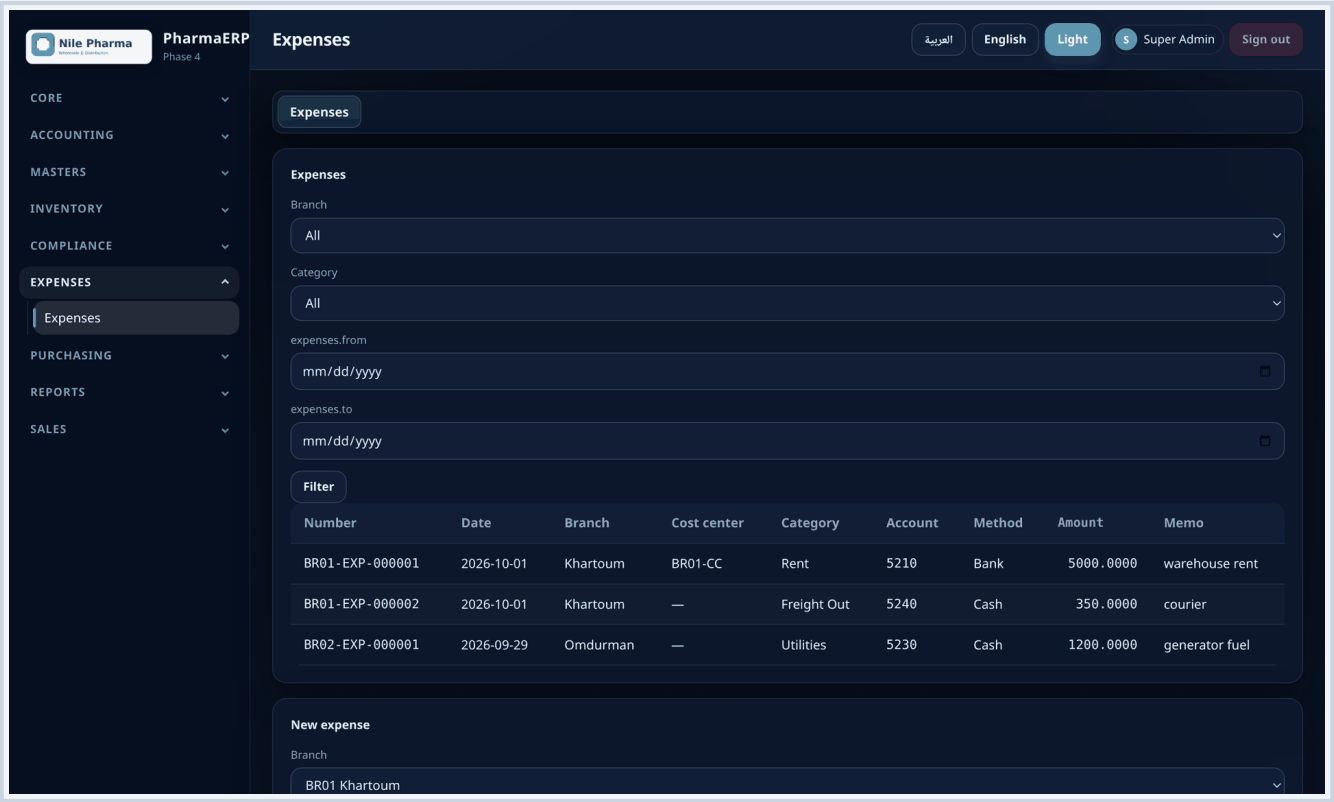
Sales returns restock the lot (or quarantine it) and credit the customer.

Receivables



AR ageing buckets per customer.

9. Expenses

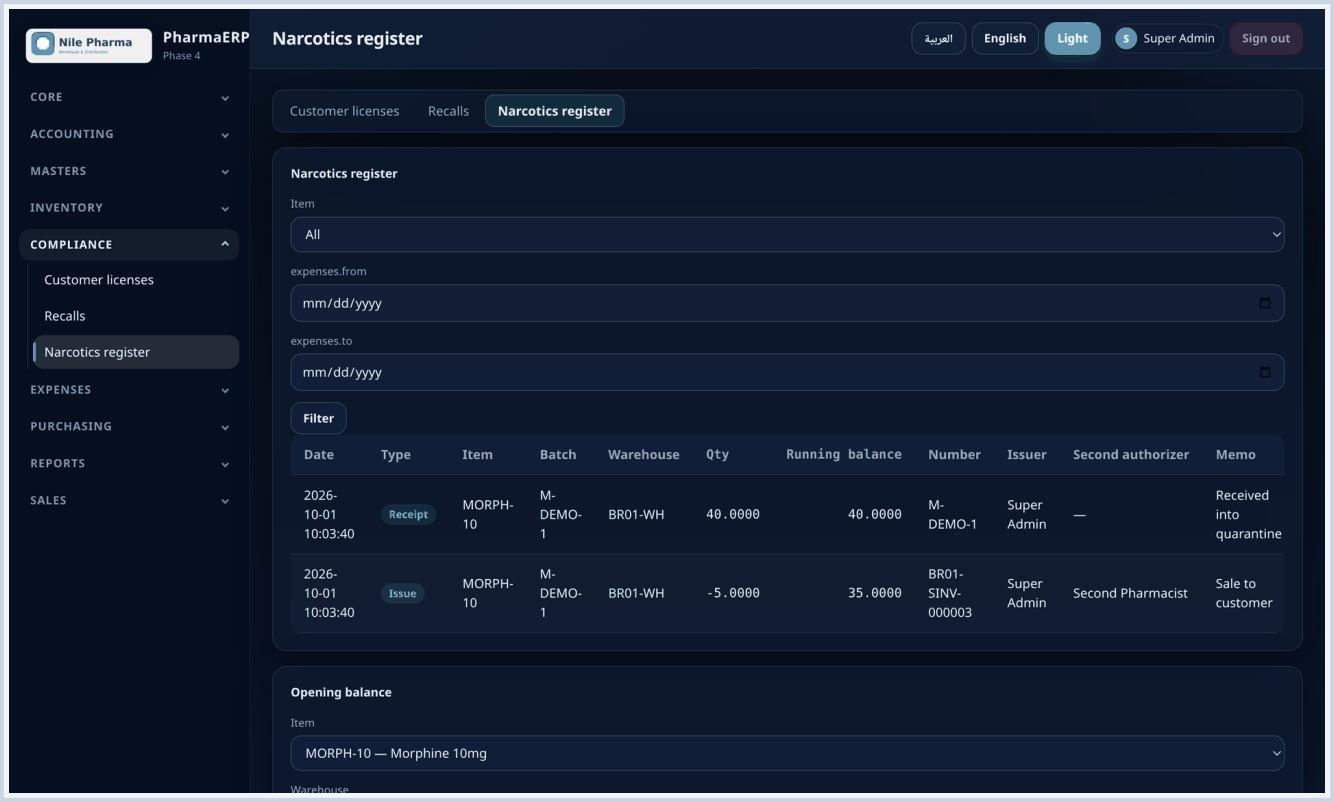


Expense entry: category, cost center, payment method and account.

Each expense carries a category (mapped to a GL expense account), a branch cost center and the cash/bank account it was paid from. Posting writes a balanced journal entry (expense debit, cash/bank credit) — the dashboard and P&L pick it up instantly.

10. Compliance

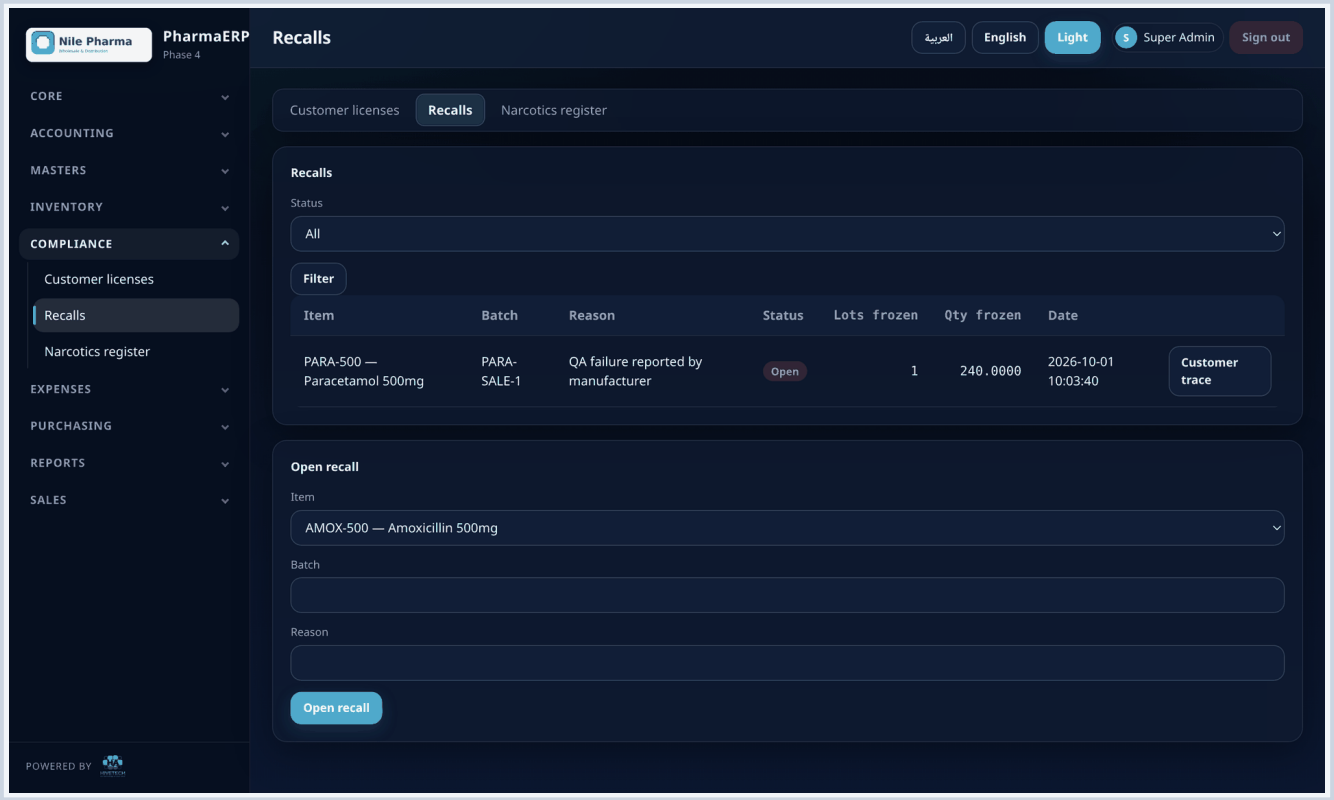
Narcotics register



Append-only narcotics register with running balance per item.

Every receipt and issue of a controlled item is appended to an immutable register with a running balance. Issuing requires two authorized users — the issuer and a second authorizer. Nobody, including super-admins, can post a controlled issue alone: the gate demands explicit dual intent.

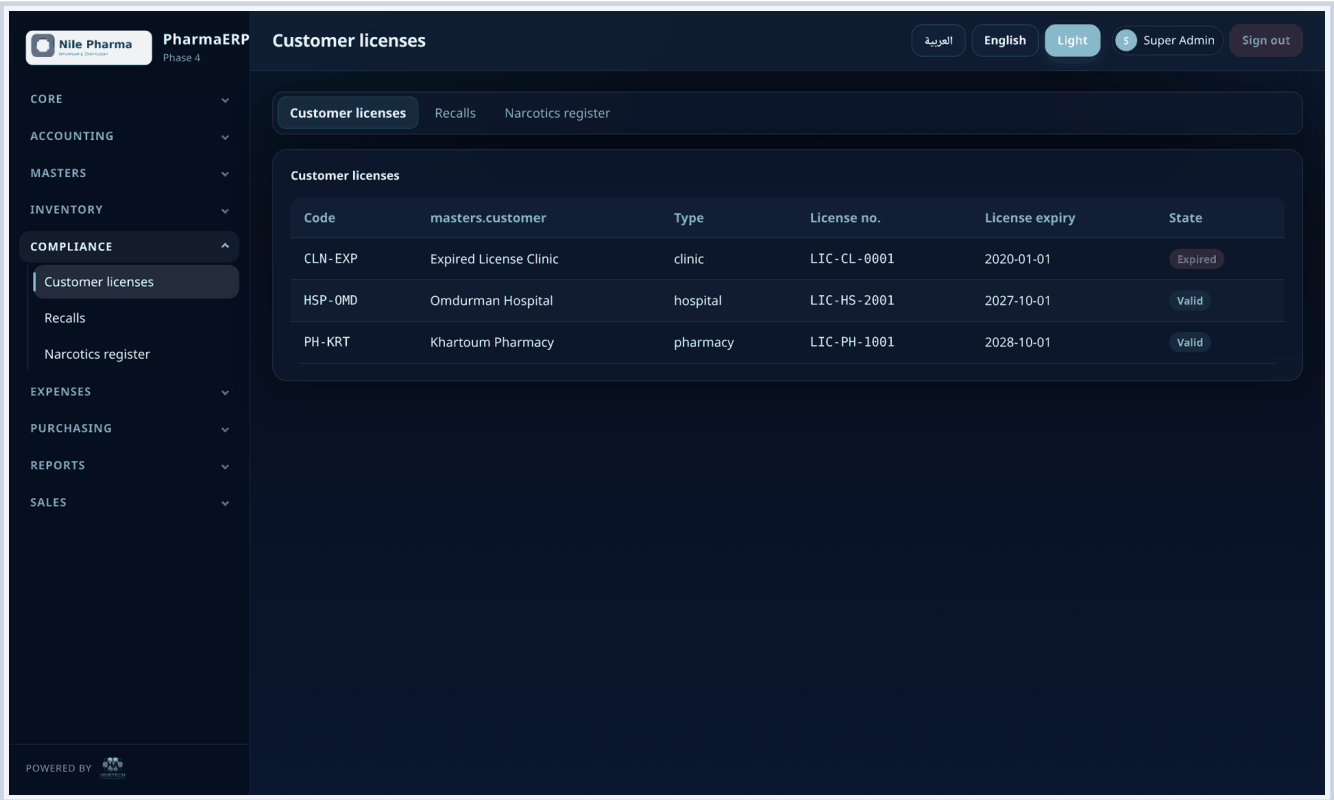
Recalls



Recall workflow: freeze affected lots, trace customers who bought them.

Opening a recall against an item/lot freezes the remaining stock instantly and walks the sales history to list every customer who purchased from the affected lot — the trace is built from the same lots the invoices issued, so it is complete by construction.

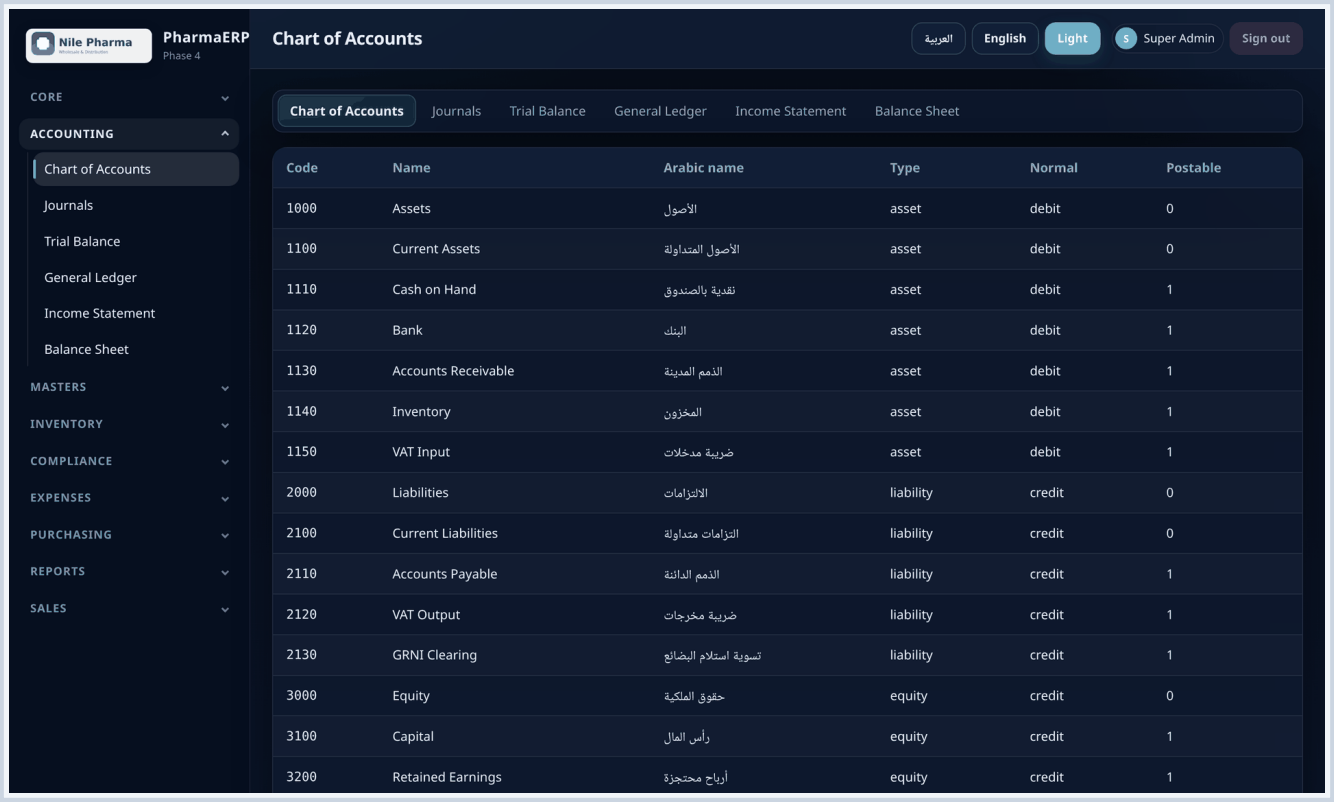
License compliance



License compliance overview.

11. Accounting

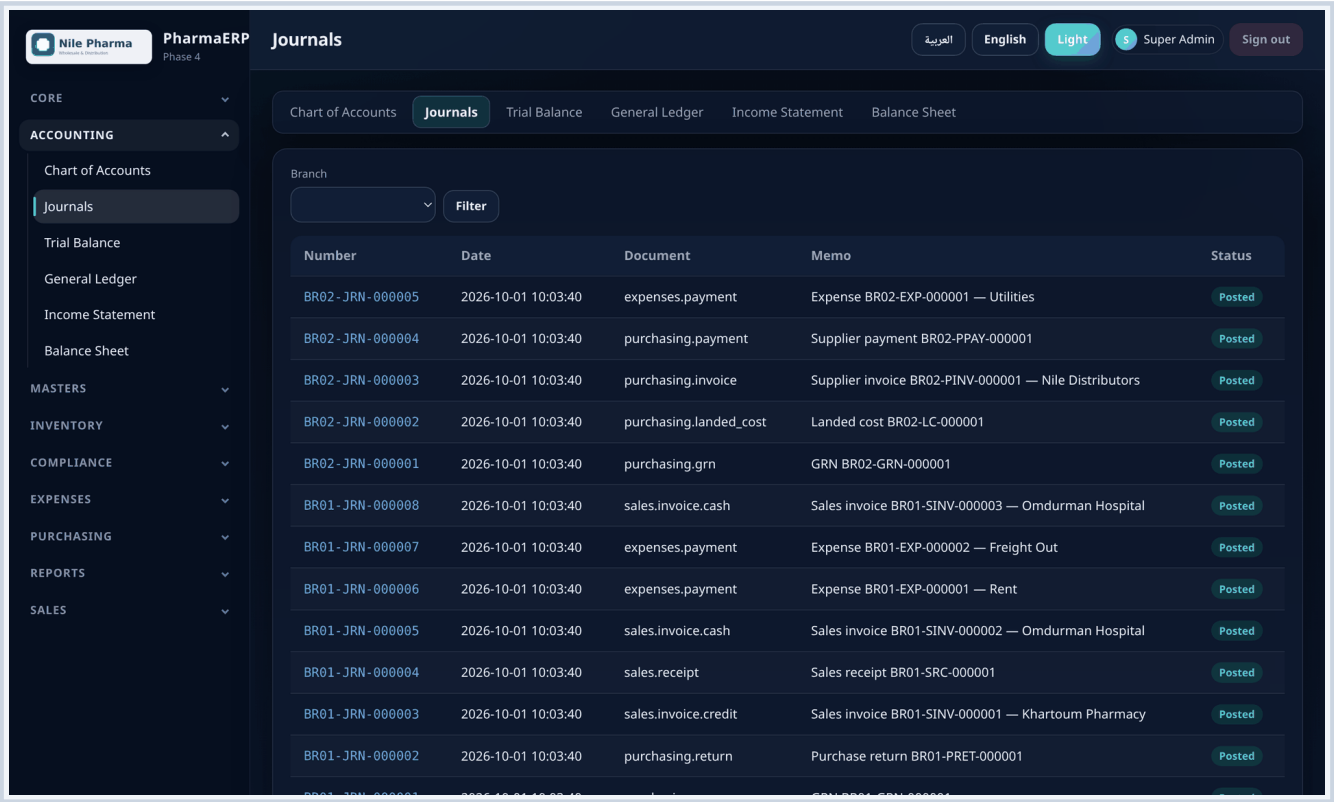
Chart of accounts



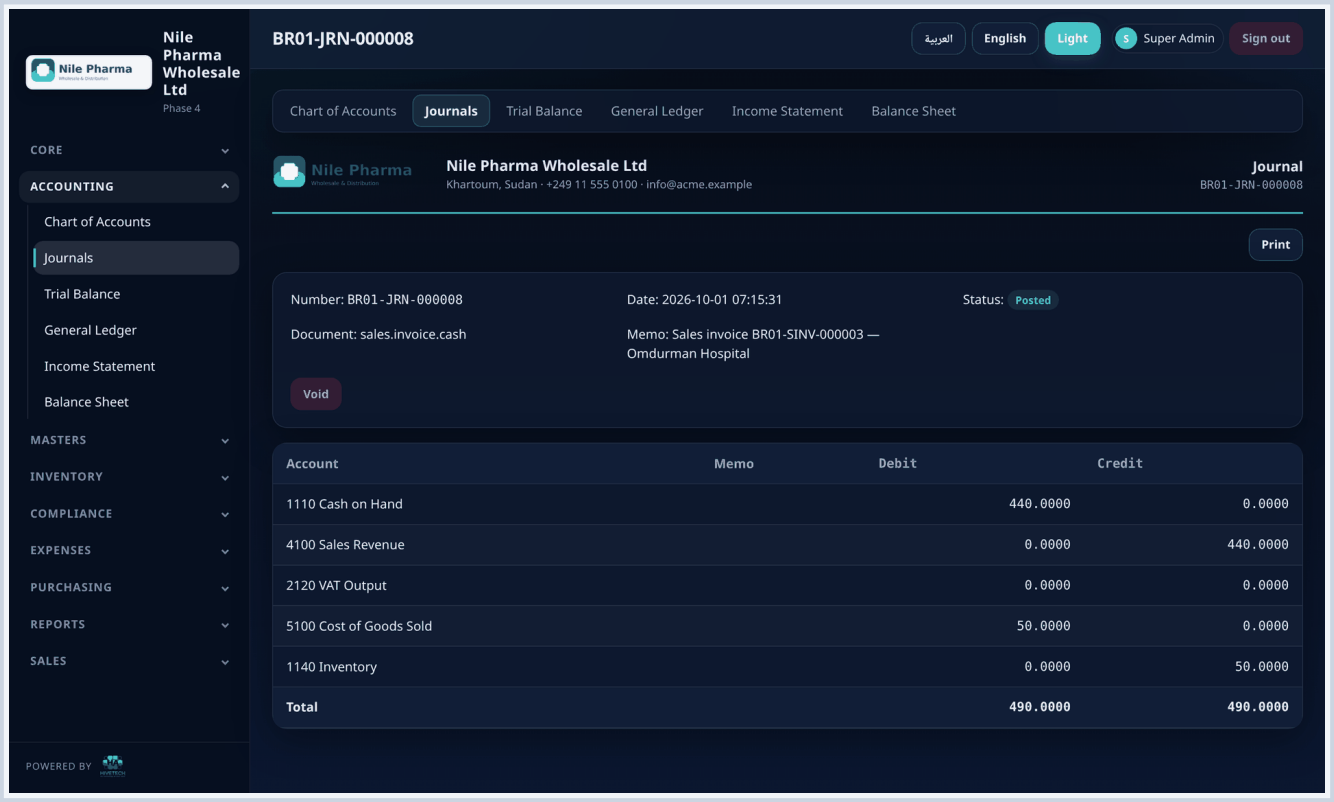
Code	Name	Arabic name	Type	Normal	Postable
1000	Assets	الأصول	asset	debit	0
1100	Current Assets	الأصول المتداولة	asset	debit	0
1110	Cash on Hand	نقدية بالصندوق	asset	debit	1
1120	Bank	البنك	asset	debit	1
1130	Accounts Receivable	الذمم المدينة	asset	debit	1
1140	Inventory	المخزون	asset	debit	1
1150	VAT Input	ضريبة مدخلات	asset	debit	1
2000	Liabilities	الالتزامات	liability	credit	0
2100	Current Liabilities	التزامات متداولة	liability	credit	0
2110	Accounts Payable	الذمم الدائنة	liability	credit	1
2120	VAT Output	ضريبة مخرجات	liability	credit	1
2130	GRNI Clearing	تسوية استلام البضائع	liability	credit	1
3000	Equity	حقوق الملكية	equity	credit	0
3100	Capital	رأس المال	equity	credit	1
3200	Retained Earnings	أرباح محتجزة	equity	credit	1

Chart of accounts — assets, liabilities, equity, revenue, expenses.

Journals

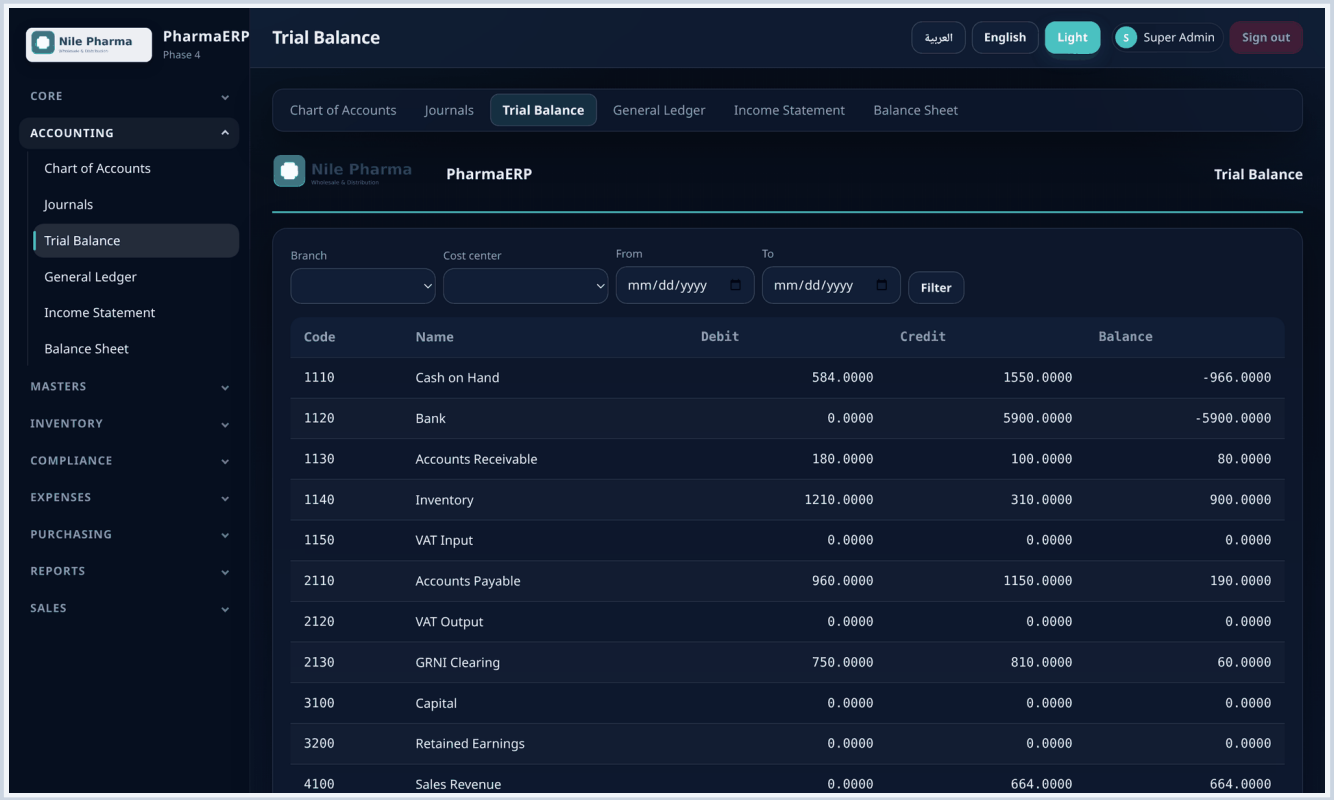


Journal browser: every entry balanced, each linked to its source document.

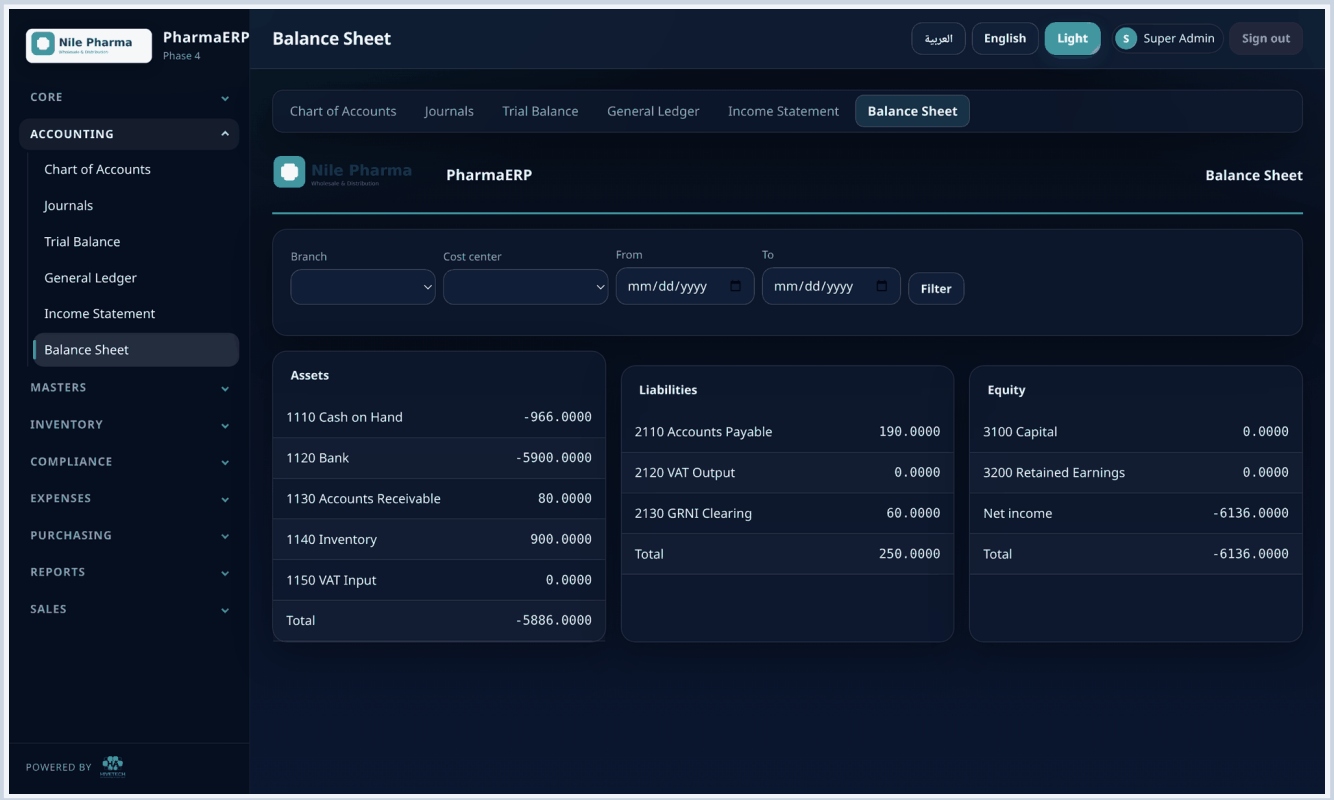


Journal detail with its source document reference — click through to the invoice or GRN.

Statements

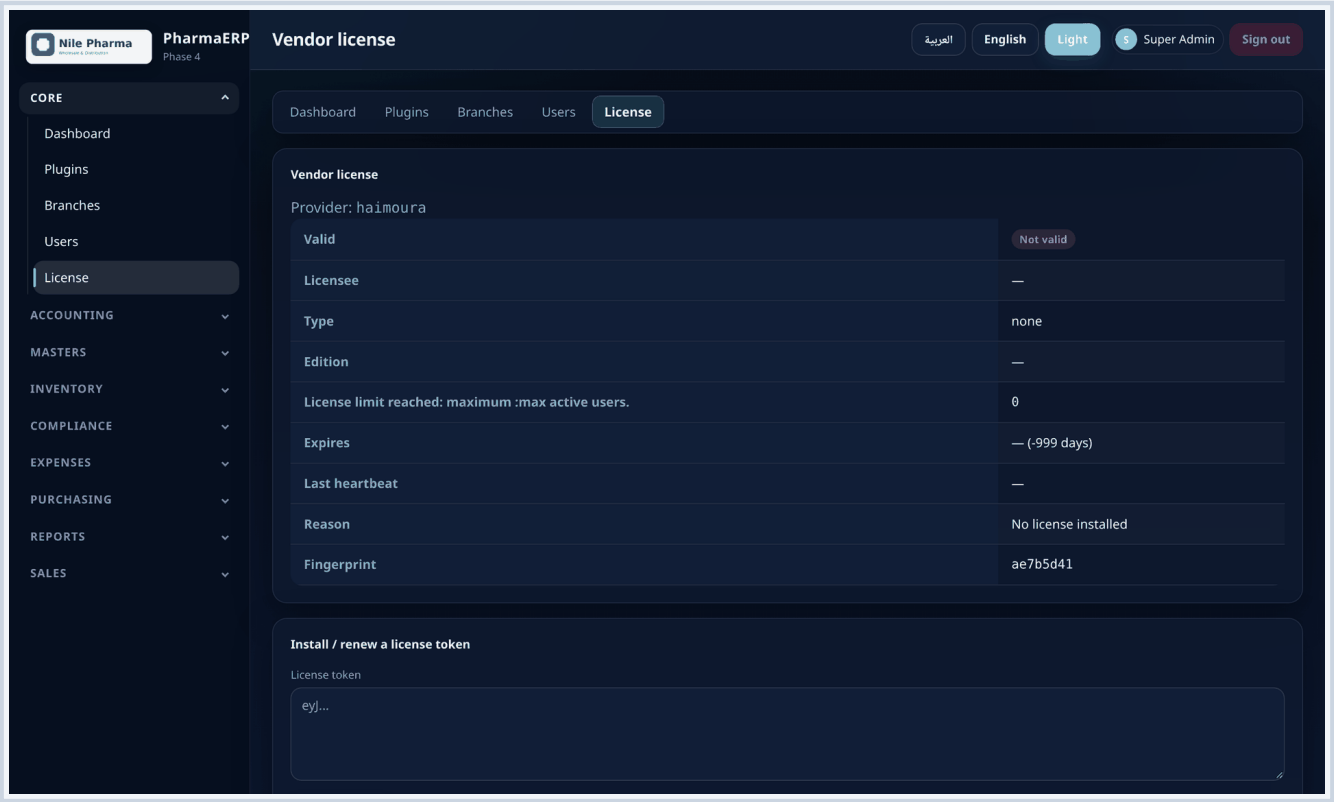


Trial balance — always balanced because entries are generated, not hand-typed.



Balance sheet with retained earnings.

12. Licensing



License status page.

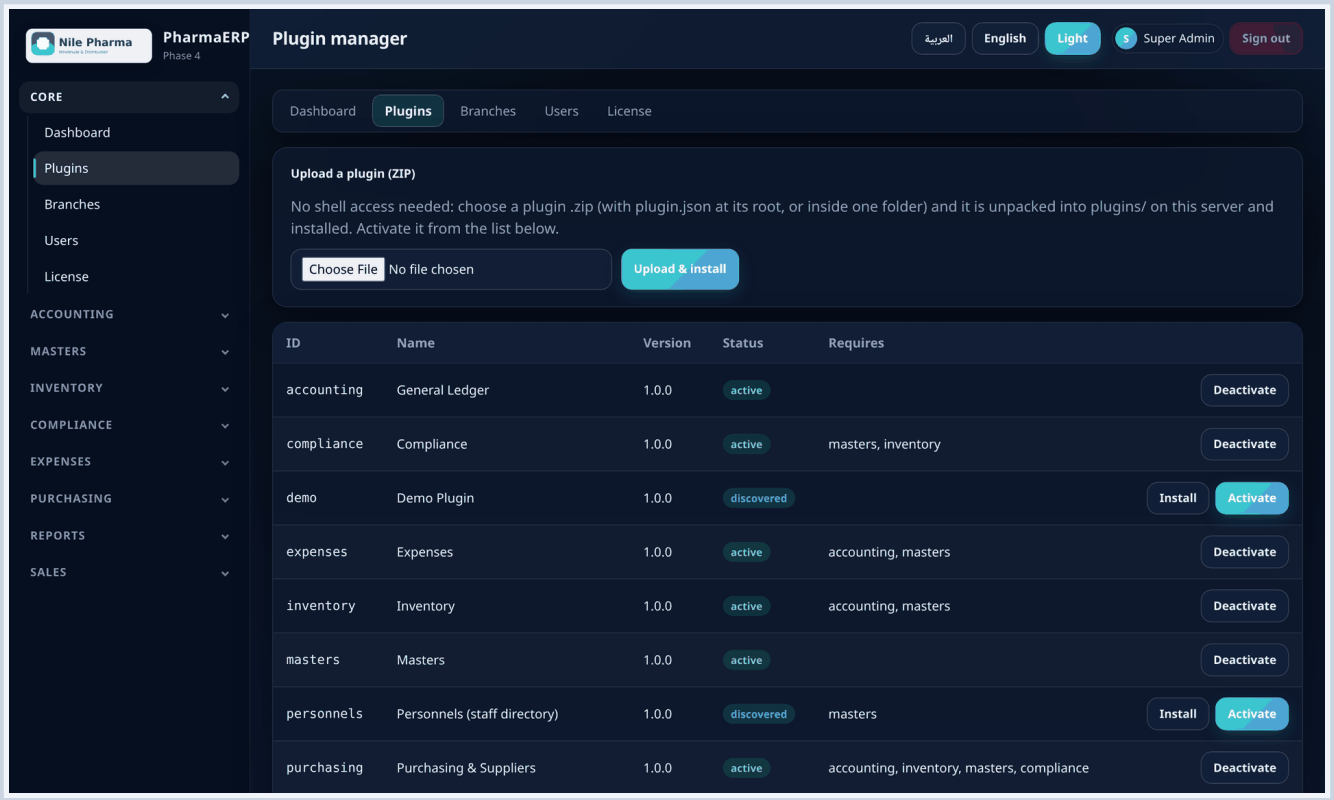
PharmaERP ships with two license providers: local (permissive, used by the demo/learning install — every feature unlocked, no server contact) and the Haimoura SDK (production: signed tokens, offline grace, heartbeats). The /license page shows the active provider, the licensed features and expiry. Installation of a production token happens on this page; it survives database resets through a stealth store.

i Gates require explicit intent: license-gated plugins are only activated deliberately, never silently — the activator reports exactly what was skipped and why.

13. Maintenance and optional add-ons

Plugins - managed from the browser

The Plugins screen (Core - Plugins) manages everything without a terminal. Activate or deactivate the shipped add-ons with one click, and install NEW plugins by uploading a .zip - the archive must contain plugin.json at its root (or inside a single folder). PharmaERP unpacks it into plugins/ on the server, runs its migrations and registers its permissions; you then press Activate. This is the intended path on hosting without shell access.



The Plugins screen: upload a plugin zip, install and activate - all from the browser.

Optional add-ons - reps, personnels, salaries (payroll -> GL), rosters - stay deactivated until you activate them. Removing one permanently means deleting its folder under plugins/ (the hosting file manager works fine). Deactivation preserves data.

Command-line equivalents (optional)

```
 php bin/console plugin:list
php bin/console plugin:activate salaries
php bin/console plugin:deactivate salaries   # data preserved
```

Optional add-ons — reps, personnels, salaries (payroll -> GL), rosters — stay deactivated until you activate them. Removing one permanently means deleting its folder under plugins/ before install: discovery skips missing folders silently and no orphan menus remain.

Resetting and reloading

```
 php bin/console db:wipe    # empty database -> migrate -> seed masters -> reactivate plugins
php bin/console demo       # reload the deterministic demo dataset
```

Backups

- MariaDB: mysqldump of the database plus the .env file
- SQLite demo: copy var/pharma.sqlite plus .env
- Always keep var/license-token.txt (production licensing) in a safe place

Troubleshooting

Symptom	Fix
Login rejected	db:wipe re-seeds admin@pharma.local/admin123 — or use the installer with --force
Blank pages after moving the app	Check var/ is writable and .env DB settings match your server
License shows invalid after DB res	php bin/console license:restore
A plugin's menu is missing	plugin:list to check status; activate it or check your role's permissions
Demo data already present	db:wipe first, or demo --force for a second round

PharmaERP — PharmaERP User Manual

Full reference for every module

HIVETECH

our technology at your hand

© 2026 HIVETECH · PharmaERP Documentation