

XERPUM

Eam

Enterprise Resource Planning

Complete integrated ERP solution for
eam industry

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English Edition — bro-sur.xerpium.com

Enterprise-Grade Asset Management Ecosystem

XERPIUM EAM is a fixed asset management module ecosystem built on XERPIUM 18 — covering asset registration, depreciation (commercial & fiscal), maintenance, disposal, inter-company transfer, reclassification, revaluation, and physical stocktake.

Registration & Asset Master

Complete asset registration with parent-child hierarchy, manufacturer, brand, serial number, warranty, physical condition, and location.

Asset Registration

Parent-Child Hierarchy — Parent asset with derived components/details (asset_ids)

Quantity — Number of units per asset (qty field)

Auto-Create from Invoice — Asset created automatically from Supplier Invoice line with asset_category_id

Auto-Create from Material Receipt — Asset created automatically when incoming stock.picking is validated (vit_asset_mr)

Auto Code from Department — Automatic sequence code with department unit_code (vit_asset_detail)

Asset Details

Manufacturer & Brand — res.partner (manufacturer category), brand, model, color

Serial Number — Serial number, number, license plate (for vehicles)

Procurement Method — PO, Direct Purchase, Grant, Others

BAST & BAP — Handover & Inspection Report

PO & Shipping Link — purchase_order_id, shipping_id, date_received

Warranty Management

Warranty Number — Official warranty number

Warranty Date — Warranty validity date

Service Provider — res.partner (service provider category)

Description — Warranty coverage description

Condition & Existence Tracking

Physical Condition — New, Good, Broken, Heavily Broken

Existence Status — Exist, Not Exist, Sold, Write Off, Under Maintenance, Is Guaranteed, Auctioned Off

Tracking — Changes in condition & existence recorded with timestamp (mail.thread)

Responsible Person — res.users assigned per asset

Location Management

Hierarchical Location — vit.location with parent location

Company-bound — Every location is bound to res.company

Movement History — asset_move_ids tracks asset location movements

Last Location — last_location_id auto-updated on transfer

Asset Category (Hierarchical)

Parent-Child Hierarchy — parent_id, complete_name, complete_code

Code System — Category code with auto-complete code (1.01.01 format)

Hierarchy Type — Normal or View (for grouping)

Depreciation Config — Method, period, factor, number of entries

Disposal Accounts — Loss/Profit disposal (sale & write-off)

Account Mapping — Asset account, Depreciation account, Expense account, Journal

Depreciation — Commercial & Fiscal

Dual-track depreciation engine: Commercial (accounting) and Fiscal (tax) with Linear and Degressive methods, auto-generated journal entries.

Depreciation Line Fields

amount — Current Depreciation (Commercial)

remaining_value — Next Period Depreciation

depreciated_value — Cumulative Depreciation

depreciation_date — Depreciation date per period

move_id — Link ke account.move (journal entry)

move_check — Boolean: journal entry exists

move_posted_check — Boolean: journal entry posted

Depreciation Confirmation Wizard

Bulk Confirm — Confirm multiple depreciation lines at once

Auto Journal — Wizard creates account.move per line

Account Mapping — DR: Depreciation Expense, CR: Accumulated Depreciation

Period Close — Automatic monthly/quarterly depreciation posting

Fiscal Year Support — last_day_period, fiscyear_last_month config

Asset Lifecycle Transactions

7 asset transaction types: Disposal, Maintenance, Transfer, Reclassification, Revaluation, Physical Check — all with auto journal entries.

Asset Disposal

Disposal Type — Write Off or Sale

Disposal Lines — Multiple assets per disposal document

Sale Flow — Customer + sale amount + auto invoice (account.move)

Write-Off Flow — Journal entry: DR Loss Disposal, CR Asset Account

Tax on Disposal — PPN on sale disposal (vit_asset_tax)

Sequence — Auto-number VIT/DISP/####

State — Draft → Open → Done

Asset Maintenance

Maintenance Type — Corrective (breakdown) or Preventive (scheduled)

Multiple Assets — One maintenance for many assets

Parts Tracking — maintenance_line with subtotal per part

Total Cost — Auto-compute total from line items

Supplier — Maintenance supplier (res.partner)

Responsible & Requested By — Dual user assignment

Sequence — Auto-number VIT/MNT/####

State — Draft → Open → Done

Asset Transfer

Source → Destination Location — Move location between vit.location

Inter-Company — Transfer between res.company (is_interco auto-detect)

Transfer Lines — Multiple assets per transfer document

Company Source & Destination — company_src_id, company_dest_id

Received Confirmation — vit_asset_received: action_received to confirm receipt

General Affairs — ga_id assignment

State — Draft → Open → Done

Asset Reclassification

Category Change — Move asset to a new category (account.asset.category)

Auto-Update Depreciation — Method, factor, period, number, end date updated from new category

Asset Modify — Auto-create asset.modify record for audit trail

Multiple Assets — Reclassify many assets at once

Sequence — Auto-number VIT/RCL/####

State — Draft → Open → Done

Asset Revaluation

Book Value → New Book Value — Change asset book value

Revaluation Account — Dedicated account for revaluation journals

Auto Journal Entry — move_id: DR/CR asset account vs revaluation account

Validation — Prevent new_book_value = residual value

Sequence — Auto-number VIT/RVL/####

State — Draft → Open → Done

Physical Check (Asset Stocktake)

Auto-Populate Assets — compute_asset() fills all assets per location

Physical Lines — Per asset: condition, last_location, real_location, qty, real_qty

Condition Check — Compare condition & location system vs physical

Write-Off Journal — Auto-create journal for assets not found

Location Filter — Filter assets per vit.location

Sequence — Auto-number VIT/PHY/####

State — Draft → Open → Done

Dynamic Stage Workflow

vit.asset_stage — Configurable stage framework for all asset transactions with Python hooks, RBAC groups, and server actions.

Stage Features

transaction_type — Asset, Disposal, Maintenance, Reclass, Reval, Physical, Transfer

Allow Confirm / Cancel / Reset / Correction / Printout — Boolean flags per stage

execute_enter — Python method runs on entering the stage

confirmation — Confirmation message per stage

group_ids — RBAC: res.groups allowed to confirm at this stage

fold — Kanban fold stage

draft / open / done — Boolean markers for stage type

Cross-Module Integration

EAM fully integrated with Purchase, Inventory, Accounting, HR, and Analytic.

EAM ↔ Purchase

purchase.order link on asset master (purchase_order_id)

Auto-create asset from PO → Material Receipt (vit_asset_mr)

Asset category on stock.move (asset_cat_id) for auto-creation

EAM ↔ Inventory

stock.picking link on asset master (shipping_id)

Button validate → auto-create asset (vit_asset_mr)

Stock journal entries (vit_asset_entries)

EAM ↔ Accounting

Auto journal: depreciation, disposal, revaluation, write-off

Account mapping per category: asset, depreciation, expense

Supplier invoice → auto-create asset (invoice_line.asset_create)

Tax on disposal sale (vit_asset_tax)

EAM ↔ HR

Responsible person (res.users) per asset

Auto-detect department from responsible user

Auto code with department unit_code

Maintenance requested_by & responsible_id

EAM ↔ Analytic

account.analytic.account on asset master

Disposal with analytic location & business (vit_asset_analytic)

Cost center tracking per asset

EAM ↔ Notifications

Live chat notification when an asset is created from an invoice (vit_asset_inherit)

mail.thread tracking for condition, existence, state changes

mail.activity.mixin for maintenance scheduling

Asset Accounting Journals

Automatic journal flow from acquisition, depreciation, disposal, revaluation, to write-off — fully integrated with base_accounting_kit.

Asset Accounting Features

Auto Journal — Depreciation, disposal, reval, write-off auto-create account.move

Dual-Track — Commercial & Fiscal depreciation side-by-side

Category-Driven Accounts — Account mapping per asset category

Multi-Company — Inter-company transfer with journal entries

Tax on Disposal — Automatic VAT on asset disposal sale (vit_asset_tax)

Period Close — Bulk confirm depreciation lines per period

base_accounting_kit — Core asset engine: linear/degressive, board, lines

Xerpium ERP — xerpium.com

Contact us for a free demo

📞 **WhatsApp: +62 818-0918-2752** | ▶ **@xerpium_id**

Generated 2026-10-27