

XERPIUM

# Fishery

Enterprise Resource Planning

Complete integrated ERP solution for  
fishery industry

**2000+**

MODULES

**AI**

ASSISTANT

**SaaS**

/ ON  
PREMISE

English Edition — [brosur.xerpium.com](https://brosur.xerpium.com)

## Enterprise-Grade Fishery Ecosystem

XERPIUM FISHERY ERP is a fishery module ecosystem built on XERPIUM 18 — covering Fishing Trip, Receiving, Grading & Pricing, Processing, Cold Storage, and full Traceability.

## Fishery Master Data

Structured master data for all fishery operations: species, vessels, grading, sizes, and fishing areas.

## Fish Species

**Scientific Name** — Scientific name per fish species

**Unique Code** — Short code for lot numbering & traceability

**Default Product** — Automatic mapping to product.product

**Multi-language** — Species names in multiple languages

## Fish Vessel

**Registration** — Vessel registration number, vessel type

**Captain** — Ship captain linked to hr.employee

**Capacity** — Nominal carrying capacity in kilograms

**Fleet Integration** — Integrated with fleet.vehicle

## Fish Area

**Fishing Ground** — Fishing area per trip

**GPS Reference** — Fishing area coordinates

**Area Classification** — Fishing zones based on regulations

**Track Record** — Histori trip per fishing area

## Fish Grade & Size

**Grade Master** — Grade A/B/C with min/max score

**Size Classification** — Size per species based on weight range

**Auto-Grading** — Automatic grading rules system

**Pricing Rules** — Price per kg based on grade + size

## Fishing Trip Management

**Trip Lifecycle** — Draft → Departed → Returned → Received → Closed

**Crew Management** — Crew with roles (captain, engineer, crew), share percent

**Catch Estimate** — Catch estimate per species vs actual weight

**Cost Tracking** — Fuel, ice, logistic, wage, maintenance per trip

**Profitability** — Total cost vs revenue, profit per trip automatic

**Fuel & Ice Qty** — Fuel and block ice per trip

## Fish Receiving & Grading

**Receiving Flow** — Draft → Weighing → QC → Approved → Posted

**Gross/Tare/Net** — Gross weight, tare, net per line item

**Temperature Log** — Fish temperature at receipt

**Freshness Score** — Freshness score for auto-grading

**Auto-Grade Rules** — Automatic grading based on temperature & freshness

**Pricing Rules** — Auto price computation per species+grade+size

## Processing Batch

**Yield Management** — Input weight → output + waste with yield %

**Process Types** — Fillet, Loin, Steak, Block, Whole Frozen, Fish Meal

**Output Lines** — Multiple output products, byproducts, waste tracking

**Yield Standard** — Expected yield % per species vs actual

**MO Integration** — Auto-create mrp.production from batch

**QC Stage** — QC step before batch processing completes

## Cold Storage & Cold Chain

**Cold Room Types** — Chilled, Frozen, Blast Freezer

**Temperature Thresholds** — Min & max temp with auto-alert

**Capacity Management** — Capacity kg vs current weight, utilization %

**IoT Integration** — Automatic temperature logging from IoT sensors

**Temperature Logs** — History: source (manual/iot/import), status

**Cold Chain Events** — Track receiving → storage → transfer → delivery

## Lot & Traceability

**Extended Stock Lot** — Species, vessel, trip, area, grade, temperature

**Parent-Child Lots** — Upstream/downstream traceability relations

**QR Code Generation** — Auto-generate QR for public traceability

**Full Traceability** — Vessel → receiving → processing → delivery → customer

**Cold Chain Events** — Cold chain integrity per lot

**Public URL** — Public traceability endpoint per lot/QR

## Enterprise Features

**Multi Warehouse** — Hierarchical warehouse, receiving location, stock, cold storage

**Multi Company / Branch** — Multi-location operations, inter-company transactions

**Multi User** — Role-based access control, group permissions

**Multi Currency** — Exchange rate auto-sync, unrealized gain/loss

**Consolidation Reports** — P&L, Balance Sheet, inter-co elimination

## Quality Control — Fish Grading & Pricing

Auto-grading engine based on temperature, freshness score, and defect tracking.  
Automatic pricing rules per species-grade-size-supplier.

## QC Process Flow

**Auto Grade Computation** — Grading rules system based on species, temperature, freshness score

**Grading Rules** — Sequence-based: the first matching rule = the selected grade

**Reject Rule** — If no grade is met, can auto-reject or hold

**Freshness Score** — Freshness score as a grading parameter

**QC Status** — Status per line item: pending → pass/hold/reject

## Auto Pricing System

**Pricing Rules** — Price per kg computed from the most specific matching rule

**Priority Logic** — Supplier match > grade match > size match > default

**Multi-Supplier** — Different prices per supplier for the same species

**Date Range** — Seasonal pricing with date\_start & date\_end

**Apply at Line** — Compute price button on receiving line

## Fishery Analytics Dashboard

19 chart types, dual data source (ORM + SQL), AI auto-generate, NL→SQL, copilot chat.

## AI Dashboard Features

**Auto-Generate** — Natural language → complete dashboard via DeepSeek

**NL → SQL** — Natural language → SQL query real-time

**Chart Insight** — AI analysis of trends, peaks, anomalies, recommendations

**Copilot Chat** — SSE-streamed chat with dashboard context

**Conditional Formatting** — Dynamic color based on value

## Fishery Accounting Journals

Automatic journal flow from fish receipt to sale — trip cost, fish inventory, COGS, and revenue recognition.

## Fishery Accounting Features

**Vendor Bill Auto-Create** — Supplier invoice from receiving line

**Picking Auto-Post** — Stock movement + journal on posting receiving

**Crew Cost Accrual** — Crew cost accrual per trip

**Multi-Currency** — Export transactions in foreign currency

**Cost per Lot** — HPP per lot/traceability batch

**Analytic Distribution** — Cost center tracking per vessel/trip

## Cross-Module Integration

Fishery fully integrated with the entire XERPIUM ecosystem.

## Fishery ↔ Sales

Fish products → sale.order line items

QR traceability from delivery order

Cold chain events auto-logged from outgoing picking

## Fishery ↔ Purchase

Fish receiving from supplier via purchase.order

Vendor bill auto-created from receiving

Supplier grading & pricing rules

## Fishery ↔ Inventory

stock.lot extended with fishery fields

Serial/lot tracking per species, grade, trip

Cold storage location management

## Fishery ↔ Accounting

Vendor bill auto-created from receiving

Fishing cost journal entries

Analytic accounts per vessel/trip

## Fishery ↔ Fleet

Vessel management via fleet.vehicle

Captain & crew linked ke hr.employee

Maintenance scheduling per vessel

## Fishery ↔ HR

Crew assignment via hr.employee

Wage tracking per trip crew

Role-based access (captain/crew/admin)

## Fishery ↔ Quality

Quality alert from cold room temperature

Grading rules as QC checkpoints

Freshness scoring & defect tracking

## Fishery ↔ Customs

Fishery export documents

HS Code tracking for exported fish

INATRADE integration for export documents

**Xerpium ERP** — [xerpium.com](https://xerpium.com)

Contact us for a free demo

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