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CASE STUDY
Building-materials trade & manufacturing

Abu Khalif Group: one ERP for building-materials trading and a cement plant

Warehouses, weighbridge, cash custody and sales on one system, in daily use since 2018

Client	Sector	Location	Since
Abu Khalif Group	**Building-materials trade & manufacturing**	**Sohag, Egypt**	**2018**

Abu Khalif Group has run its building-materials trade and cement plant on a single in-house ERP since 2018: warehouses and accounts held at cement factories, purchasing and sales, a truck weighbridge, and cash custody with per-user permissions. After years of data growth we tuned performance, and the stock dashboard went from 94 seconds to under one second when measured on operating data.

2018
in daily use since

94 → 0.66 s
stock dashboard load time after tuning

17
roles with fine-grained permissions

2
businesses on one core: trading and the plant

The challenge

- ! Cement, steel, gypsum and bricks traded across warehouses, branches and accounts held at cement factories, each with its own balance.
- ! Heavy daily truck traffic, with an empty and a loaded weight to record for every trip.
- ! Cash custody held by warehouse keepers needed clear accounting per user.
- ! After years of accumulated data, the stock dashboard took 94 seconds to open.

What we delivered

- ✓ An in-house ERP covering warehouses, purchasing, sales, expenses, custody and weighbridge movements.
- ✓ A warehouse can be a physical store or an account at a cement company, so every product shows its balance at every location.
- ✓ 17 roles and 23 permissions: a warehouse keeper sees only their store and custody; management sees everything.
- ✓ The same core runs the cement plant, with manufacturing added: a recipe per product, raw materials deducted, finished goods added at cost.
- ✓ Performance tuning: 31 database indexes, and the stock dashboard cut from 744 queries to two.

The outcome

- ★ The current version has run since 2018 and the client relies on it for daily accounts.
- ★ Stock dashboard from 94 s to 0.66 s (measured on a test copy holding the same operating data).
- ★ Incoming, outgoing and balance figures matched the database 100% after the change.
- ★ Every client request is logged in a changelog with its date and status.

Scope

Warehouses & stock · Purchasing & sales · Truck weighbridge · Cash custody · Manufacturing & raw materials · Cashboxes & banks · Roles & permissions · Support & documentation

Facing something similar? Request a demo.

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