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CASE STUDY
Agriculture & farm management

Al-Nakhel Farm: every palm tree has a QR code, inspected from a phone

Field inspection on mobile, with inventory, treasury and a dashboard on the same system

Client	Sector	Location	Since
Al-Nakhel Farm (Abu Khalif Group)	**Agriculture & farm management**	**Egypt**	**2026**

At Al-Nakhel Farm every palm tree has a unique ID scanned by QR code, with GPS coordinates. A supervisor inspects the tree from a phone and records what it needs, a worker carries it out, and the supervisor confirms. We extended the system in four releases during 2026, adding inventory, customers, suppliers and treasury, while the published mobile app kept working unchanged.

QR + GPS
identity for every tree on the farm

3
field roles: admin, supervisor, worker

4
releases deployed to the live system

11
client requests, all delivered

The challenge

- ! The health of each tree is tracked in the field, not at a desk.
- ! A published mobile app depends on the system; no change may break it.
- ! Inventory, customers, suppliers and treasury were not part of the system.
- ! Management needed to approve expenses before payment, with defined permissions.

What we delivered

- ✓ Each tree has a unique ID scanned by QR code, with GPS coordinates; the supervisor inspects and records the need, the worker executes, the supervisor confirms.
- ✓ An Arabic web dashboard for management, and an API for the supervisors' and workers' mobile app.
- ✓ Inventory and sales: items with automatic balances, stock in and out, statements and vouchers for suppliers and customers.
- ✓ Treasury: multiple cashboxes, deposits, payments and transfers, and an expense-approval screen.
- ✓ A security review of the live instance, plus client, support and API guides.

The outcome

- ★ Four releases deployed to the live system between June and August 2026, each tested after deployment.
- ★ The published mobile app kept working unchanged throughout development.
- ★ 11 client requests logged with their dates, all delivered and deployed.
- ★ Inventory, treasury and field inspection now run on one system.

Scope

Arabic web dashboard · API for the mobile app · Trees & field inspection · Inventory & sales · Customers & suppliers · Treasury & expense approval · Roles & permissions · Documentation & user guides

Facing something similar? Request a demo.

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