Arctic OS: Cold storage ERP, desk to loading dock

Arctic OS is the cold storage operating platform developed by Umaish Solutions. It links gate arrivals, chamber and rack inventory, live temperature monitoring, flexible tariff billing, a self-service customer portal and the Arctic OS Mobile Android app on one role-governed database.

TYPICAL ROLLOUT	HOSTING OPTIONS	FLOOR COMPANION	CUSTOMER ACCESS
2-4 weeks (single site)	Cloud or on-premise	Arctic OS Mobile (Android)	24/7 web client portal

Desktop back office & control tower

- **Inward & outward registers:** Gate passes, challans, vehicle details and customer-owned batch tracking down to chamber and rack.
- **Live cold-chain tower:** Chamber readings, sensor staleness, excursion alerts and capacity pressure logged as compliance evidence.
- **Tariff-accurate billing:** Per bag, per kg, per pallet, seasonal rent, labour, power surcharges and GST with one-click invoicing.
- **Transfers, counts & claims:** Inter-chamber moves, ownership transfers, reconciliation counts and damaged/quarantined lot registers.
- **Ops Copilot & access diagnostics:** Plain-language queries grounded in permitted records, plus effective per-user permission checks.

Arctic OS Mobile (warehouse floor app)

- **Camera scanning:** Reads QR, GS1, batch labels and gate passes on standard Android phones without dedicated scanner hardware.
- **Dockside inward & dispatch:** Capture paper challan photos, assign racks, check customer balances and confirm dispatches at the bay.
- **Offline-tolerant counts:** Stock-count sessions persist on the device if WiFi drops inside chambers and sync once reconnected.
- **Damage & chamber checks:** Log incident severity with up to five photos and inspect live chamber safety states on the floor.

Client self-service portal

Cold-store depositors sign in to view their own live batch balances, inward/outward history, invoices, ledger statements and dispatch requests without telephoning the office clerk.

End-to-end warehouse & accounting workflow

OPERATIONAL STAGE	WHAT ARCTIC OS RECORDS AND ENFORCES
1. Gate arrival & inward	Customer, challan, item, packaging, lot number and chamber/rack placement recorded at desk or scanned on mobile
2. Storage & cold chain	Continuous chamber temperature logging, action queue alerts for excursions, stock counts and ownership transfers
3. Dispatch & tariff billing	Live batch availability check, storage-day calculation from your tariff card, handling charges, GST and gate pass
4. Accounts & recovery	Automatic posting to customer ledgers, advances, ageing receivables and multi-branch management dashboards

Implementation & hardware integration

Single-facility deployments typically go live in 2-4 weeks (4-8 weeks for multi-warehouse groups), including opening batch migration, weighbridge/label printer setup, Urdu and English staff training and parallel running alongside physical registers.

Next step: Request sandbox or guided walkthrough access at umaish.com/demo-access · Full screens at umaish.com/cold-storage-erp

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