SENSE · MONITOR · PROTECT

MSA Intelligent Healthcare Pvt. Ltd.

Every critical room, always in its ideal state — continuous environment monitoring for Operating Theatres & ICUs.

Company Profile
November 2026
msaintelligenthealthcare.org

9	24 × 7	0	100%
PARAMETERS TRACKED	CONTINUOUS MONITORING	PATIENT DATA COLLECTED	DESIGNED & BUILT IN INDIA

THE PROBLEM

OT and ICU conditions — temperature, humidity, pressure, air quality — drift out of range **between periodic audits and manual checks**. Staff notice late or never, leading to costly reactive maintenance, delayed theatre turnaround and avoidable patient risk.

Per WHO, out of every 100 patients in acute-care hospitals, **7 in high-income and 15 in low- and middle-income countries** acquire at least one healthcare-associated infection.

OUR SOLUTION

NETRA — OT Environment Monitor

A wall-mounted, always-on monitor that shows **target vs. actual values side by side** and raises tiered alarms — from an on-screen nudge to a hard audible alert — based on how far and how fast conditions drift.

Temperature · Humidity · Differential pressure · CO_2 · PM1.0 / PM2.5 / PM10 · Light (lux)

WHY MSA WINS

- **Continuous, not periodic:** replaces manual spot-checks with 24×7 sensing and escalating alarms.
- **Built for Indian hospitals:** survives unstable power (internal battery backup), dust and non-stop operation; 12–24 V DC input.
- **Serviced in India:** field-replaceable protection — no shipping abroad for repairs.
- **Privacy by design:** monitors rooms, not people — no cameras, no personal data; hardened security by default.
- **Affordable by design:** engineered in India to be within reach of hospitals across the country.
- **Regulatory-grade founding team:** 7+ years in ISO 13485 / IEC 60601 / CDSCO medical-device quality systems.

BUSINESS MODEL

Direct device sales to hospitals, plus **service contracts, rental and subscription plans** — creating recurring revenue across the installed base.

ROADMAP

Now
Working prototype ready; hospital pilot approved; provisional patent filed.

Next ~8 months
Certification, validation, pilot run, launch & first hospital sales.

Stage 2
UV-disinfection robot for OT/ICU; GCC expansion (SFDA & Gulf regulators).

COMPANY SNAPSHOT

Founder	**Nitin Kumar** — Sr. Regulatory & Quality Engineer, ISO 13485 · IEC 60601 · CDSCO MDR
Headquarters	Etmadpur, Agra, Uttar Pradesh, India
MSME (Udyam)	UDYAM-UP-01-0177843
Sector	Medical devices · Hospital infrastructure
Stage	Pre-launch · prototype ready
IP	Provisional patent filed
Traction	Hospital pilot approved (MOU in progress); launch waitlist & OT readiness survey live

KEY SPECIFICATIONS

Display	10.1" capacitive touch
Sensing	Integrated array: temp, RH, CO_2, PM, pressure, light
Power	12–24 V DC + integrated battery backup
Cooling	Dual-airflow path + aluminium heat-sink body
Connectivity	LAN, USB, alarm / IO terminal
Operating range	−10 °C to 50 °C
Size / Mount	330 × 240 × 90 mm, wall-mount

Certifications & full numeric specs to be published at launch.

REGULATORY PATHWAY

CDSCO MDR 2017 · ISO 13485:2016 · IEC 60601-1 — with GCC (SFDA / UAE / Kuwait) market access planned.