CAPNOVA

Company profile

Advanced healthcare technology
and infection control solutions

UV-C and far-UVC disinfection | Medical air decontamination
Medical AI | Healthcare engineering | Turnkey projects

United Arab Emirates | GCC | Egypt
capnova-ms.com

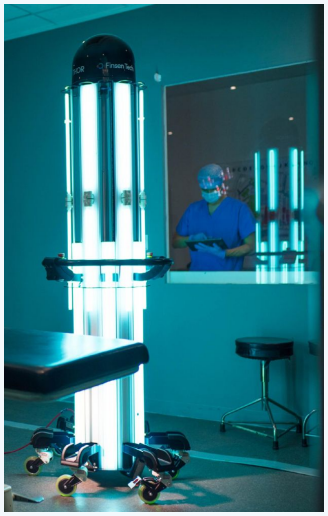
02 About Capnova

One partner for protection, intelligence and delivery

Capnova Medical Solutions is a Dubai healthcare technology company, licensed in the Meydan Free Zone, providing advanced healthcare technologies and integrated medical solutions across the UAE, the GCC and Egypt. Legal name: Capnova Medical Solutions L.L.C-FZ, Trade License No. 2654438.01.

We are a B2B healthcare technology company. We bring infection control technologies, medical air decontamination, medical AI and turnkey healthcare projects to hospitals, clinics and laboratories, and we stay with each facility from the first assessment to long-term support.

Our team brings more than 15 years of experience in infection control and medical technology, and we work with specialist technology partners in the United Kingdom, Canada, France, Romania and Denmark.



03 Vision

Protected patients and staff, across the region

Healthcare facilities across the region where patients and staff are protected by proven technology, applied with engineering care and supported for the long term.

We pursue this by focusing on healthcare problems first, selecting technologies with published evidence and verified approvals, and building every project around the facility's own workflow.

- Evidence before claims
- Engineering before catalogues
- Support that lasts the life of the equipment

04 Solutions

What we provide

Capnova combines technology supply with the services needed to make it work in a clinical environment.

- Infection control solutions for surfaces, shared equipment and air
- UV-C and far-UVC disinfection
- Medical air decontamination and filtration
- Operating room and critical care solutions
- Healthcare engineering solutions
- Medical AI solutions
- Turnkey healthcare projects
- Assessment, design, installation, commissioning, training, technical support and after-sales support

05 Infection control

Three routes, three layers of protection

Infections travel through surfaces, shared equipment and the air. We cover all three, so one partner can plan protection for a whole department.

- **Rooms and surfaces:** THOR UVC room disinfection and Zener far-UVC
- **Medical equipment:** HYPERION UVC chamber and ZEUS UVC cabinet
- **Air and protected spaces:** PLASMAIR, IMMUNAIR, BIOCAIR, HEPA and eCHEM
- **By department:** operating rooms, ICU, NICU, emergency, isolation, patient rooms, IPC, CSSD, IVF, laboratories, oncology, burns, pharmacy, dental and ambulances



06 UV-C and far-UVC

Terminal disinfection and continuous protection

THOR UVC (Finsen Tech, UK): a mobile continuous-wave UVC robot that maps the room and extends from 1.1 m to 2.25 m for floor-to-ceiling coverage, with motion-sensor shut-off and cycle records.

HYPERION (Finsen Tech): a 60-second 360° UVC chamber for non-invasive equipment and electronics; Class IIa CE medical device with an Independent Monitoring System for traceability.

ZEUS (Finsen Tech): a six-plane 253.7 nm UVC cabinet with a 30-second cycle for small shared items.

Zener (UVX, Canada): a ceiling-mounted filtered 222 nm far-UVC device for occupied rooms, designed for continuous use while people are present.



07 Medical air solutions

Clean air for the most vulnerable patients

airinspace (France) technologies built around the patented HEPA-MD® reactor, which combines non-thermal plasma with electrically active collection media and medical HEPA filtration.

- **PLASMAIR Guardian:** up to 2,500 m³/h; H14–U15 filtration
- **PLASMAIR Sentinel:** up to 1,200 m³/h; the quietest HEPA-MD® unit
- **IMMUNAIR®:** ISO 5 zone around the bed without construction
- **BIOCAIR®:** modular positive- or negative-pressure room, minimum ISO Class 6
- **HEPA and eCHEM:** particle filtration and activated-carbon removal of VOCs
- Published evidence: Fernandez-Gerlinger et al., Infect Control Hosp Epidemiol 2016;37(7):845–851



08 Medical AI

Support tools for clinicians and screening programmes

We bring CE-marked AI from our partners Rayscape (Romania) and RetinaLyze (Denmark) to healthcare providers in the region, with integration, training and support.

- **RetinaLyze:** retinal screening for signs of diabetic retinopathy, AMD and glaucoma, with results in moments
- **Rayscape:** 148 chest X-ray findings in 17 classes; lung CT nodule detection, measurement and tracking
- **Integration:** planning with PACS, RIS and HIS where supported
- **Services:** assessment, selection, deployment, training and support

09 Healthcare engineering

Technology that performs as designed

Performance depends on the room as much as the device. We start from room volumes, airflow, pressure regimes, power, ceilings and clinical workflow, then select and position technology accordingly.

- Site surveys and risk identification with IPC and engineering teams
- Placement design for UV and air-treatment devices
- Coordination with HVAC, IT and biomedical teams
- Commissioning checks and documentation

10 Turnkey projects

One accountable team, from assessment to support

- 1. Assessment
- 2. Site survey
- 3. Risk identification
- 4. Solution design
- 5. Technology selection
- 6. Supply
- 7. Installation
- 8. Commissioning
- 9. Validation and documentation where applicable
- 10. Staff training
- 11. Technical support
- 12. After-sales support

11 Technology partners

Specialist manufacturers

- **Finsen Tech**, United Kingdom: UVC disinfection (THOR UVC, HYPERION, ZEUS)
- **UVX**, Canada: far-UVC disinfection (Zener)
- **airinspace**, France: medical air decontamination and protected environments (PLASMAIR, IMMUNAIR, BIOCAIR, HEPA, eCHEM)
- **Rayscape**, Romania: radiology AI (chest X-ray, lung CT)
- **RetinaLyze**, Denmark: retinal screening AI



12 Contact

Let's talk about your facility

Capnova Medical Solutions L.L.C-FZ

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