

Clean Tech..Pure Future



ABOUT US

At Capnova, we are dedicated to elevating **hygiene and safety standards** across the food agriculture and storage services sectors through **cutting-edge UV-C** disinfection technology.

Our solutions are designed with a clear mission: to make food environments cleaner, Farms healthier, and communities safer — without compromising sustainability or Efficiency.

We specialize in delivering customized, **eco-friendly** sanitation systems for restaurants, Food factories, livestock farms, and poultry operations. By focusing on these critical Sectors, we help reduce pathogen transmission, extend product quality, and promote Biosecurity.

We believe that **innovation and responsibility** go hand in hand. That's why every product We develop is based on rigorous science, backed by research, and tailored to the Real-world needs of our clients.

We don't just disinfect.

**We illuminate a healthier future. **





HISTORY OF UV DISINFECTION TECHNOLOGY

Ultraviolet (UV) disinfection technology has roots dating back to the **early 20th century**. Here's a brief timeline:

Early 1900s: The germicidal properties of **UV light** were discovered, leading to its initial use in water disinfection.

1930s: UV lamps became **commercially available**, and hospitals began using them for air and surface disinfection.

1970s-1980s: Advances in UV technology led to more widespread use in municipal water treatment and other applications.

2000s: Research expanded into the effectiveness of UV-C light against various pathogens, including viruses.

2020s: The COVID-19 pandemic increased interest in UV disinfection technologies, leading to further innovations and applications in public health.

This technology continues to evolve, with ongoing research aimed at improving efficiency and safety.



MISSION

Our mission is to harness the power of ultraviolet light to create safer environments for all. We provide innovative, effective, and sustainable disinfection solutions that protect public health, enhance indoor air quality, and ensure the safety of water and surfaces."



*Restaurants and Food Service

To support restaurants and food service providers with advanced UV disinfection systems that ensure hygienic food handling, safe dining environments, and customer trust.



*Agricultural Sector

To empower agricultural operations with sustainable UV solutions that protect crops, extend product shelf life.



MISSION



*Horse Stables

To enhance equine health and stable hygiene through UV-based disinfection technologies that reduce pathogen load, improve air and surface cleanliness, and support animal welfare in horse care environments.



*Poultry Farms

To deliver UV solutions that reduce disease outbreaks, improve poultry health.



*Livestock and Cattle Farms

To protect livestock health and farm productivity with innovative UV sanitation technologies that minimize disease risks.



*Storage & Transport Containers

To safeguard products, equipment, and materials during storage and transit by providing UV sanitation sanitation solutions that reduce contamination risks, ensure regulatory compliance, and maintain hygienic conditions across the supply chain.



VISION

- To become a global leader in sustainable hygiene and disinfection technologies powered by UV innovation.
- To empower diverse sectors from food production to healthcare with smart, eco-friendly solutions that prioritize health and safety.
- To redefine the standards of cleanliness by making advanced sanitation accessible, reliable, and seamless.
- To bridge science and daily life by integrating smart disinfection into homes, businesses, and public spaces.
- To contribute to a healthier, safer, and more sustainable world through continuous innovation and responsible technology.





CORE VALUES

- Innovation: Continuously developing advanced and effective UV technologies that meet evolving market needs.
- Safety: Prioritizing the health and safety of users, customers, and communities through reliable and certified solutions.
- Sustainability: Committing to eco-friendly practices and technologies that reduce environmental impact.
- Integrity: Upholding transparency, honesty, and ethical business practices in all dealings.
- Customer Focus: Listening to and understanding customer needs to provide tailored, effective solutions.
- Quality Excellence: Delivering high-performance products and services that exceed industry standards.
- **Collaboration**: Building strong partnerships with clients, experts, and stakeholders to drive mutual success.



BENEFITS & USAGE





**** Horse Stables**

UV systems are installed in stable ventilation, grooming areas, and feeding zones to minimize bacterial and viral contamination.

Agricultural Sector

UV solutions help reduce chemical pesticides, extend crop shelf life, and increase food safety, supporting sustainable agriculture and better yield quality.

Storage & Transport Containers

UV-C units are integrated into storage containers and mobile units to sterilize internal surfaces and air before, during, and after transport.

Public and Educational Spaces

Automated UV sanitation lowers absenteeism due to illness, creates safer communal environments, and builds public confidence in shared spaces.





Restaurants and Food Service

UV systems ensure food safety by reducing microbial contamination, improve customer trust through hygienic environments, and reduce manual cleaning efforts.



Poultry Farms

UV disinfection reduces outbreaks of poultry diseases, lowers antibiotic usage, and supports healthier flock growth and productivity.



Livestock and Cattle Farms

Improved sanitation leads to healthier animals, reduces veterinary costs, and increases farm output through better biosecurity.







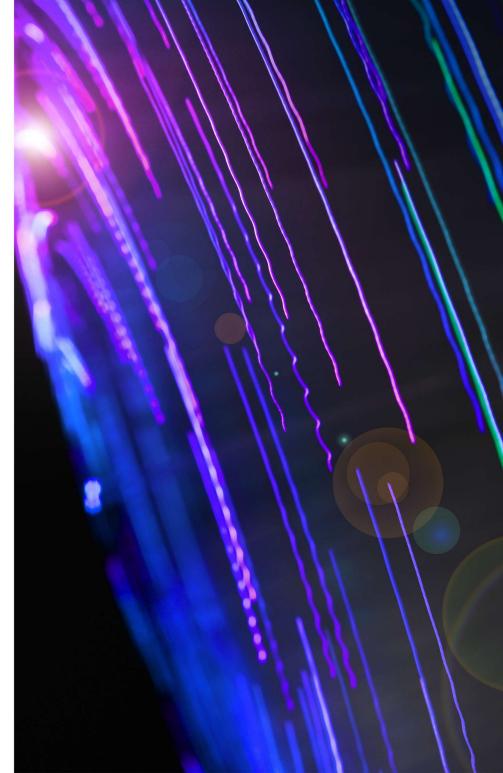
Maintains freshness by lowering microbial contamination, reduces spoilage losses, and enhances food safety compliance.

Food Manufacturing Plants

UV integration promotes clean-label production, prevents cross-contamination, and increases consumer confidence in product safety.

+ Additional Applications

Maintains hygiene in diverse settings, reduces illness transmission, and supports overall public health goals through continuous sanitization.

















Compliance with ACGIH and ICNIRP Standards CERTIFICATES OBTAINED BY OUR PRODUCTS CE Certification CE Certification CE Certification





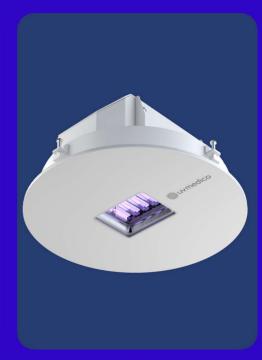
UV222 Booth

A decontamination chamber that sanitizes fully gowned personnel within seconds before they enter cleanroom environments.



UV222 Step-On

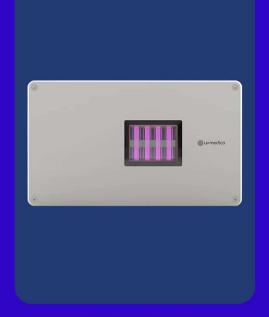
A floor-mounted unit that decontaminates the soles of cleanroom footwear while being worn, enhancing hygiene protocols.



UV222 Cleanroom Downlight

Specifically designed for suspended ceilings in cleanrooms, this fixture can also be operated remotely for convenience









UV222 Ambulance

Tailored for ambulance interiors, this solution ensures effective decontamination of patient areas, reducing the risk of disease transmission.

UV222 Industrial

Built with an IP66 rating, this durable fixture is designed for industrial environments requiring robust and reliable disinfection solutions.

UV222 Material Airlock

Provides 360-degree decontamination for large equipment being transferred between clean areas, ensuring contamination control.





UV222™



UV222 Pendant



Vertex 222

A versatile Far-UVC lamp designed to enhance safety in offices, medical facilities, and other environments by reducing bacterial and viral presence An elegantly designed hanging fixture that delivers deep and safe disinfection, easily integrating into various interior designs. A flexible solution available in fixed or portable configurations, designed to create safer and cleaner spaces across different settings.





UV222 Downlight

A ceiling-mounted fixture that provides targeted air and surface decontamination, suitable for various indoor settings.



Compatible with Laminar Airflow (LAF) systems, this fixture offers both visible and Far-UVC light, ideal for environments requiring stringent cleanliness.



GREENTECH AND FAR-UVC: A NEW ERA OF SUSTAINABLE HYGIENE

Green Technology (Greentech) offers innovative solutions with minimal environmental impact. One of the most promising developments is **Far-UVC (222nm)**, which is changing how we think about hygiene, safety, and sustainability.

What is Greentech?

Greentech includes eco-friendly innovations that reduce pollution, save energy, and protect resources across sectors like energy, water, agriculture, and healthcare. The goal is efficiency, safety, and sustainability.

Far-UVC as a Green Disinfection Solution
Far-UVC (222nm) safely disinfects air and surfaces. Unlike traditional UV-C (254nm), it doesn't harm skin or eyes, allowing continuous use around people.

Environmental Benefits

Chemical-Free Sanitation: Reduces need for chemical disinfectants and plastic waste.

Energy Efficiency: Consumes less energy than other disinfection methods.



GREENTECH AND FAR-UVC: A NEW ERA OF SUSTAINABLE HYGIENE

Reduced Waste: Cuts down on single-use items like wipes and sprays.

Improved Air Quality: Helps prevent illness and reduces reliance on heavy ventilation.

Extended Product Shelf Life: Preserves food freshness and reduces waste.

Applications Across Green Industries

Food Industry: Keeps hygiene standards without chemicals.

Farms: Enhances biosecurity with no harmful residues.

Hospitals: Allows ongoing disinfection in critical areas.

Transportation Hubs: Safe for use in public spaces like buses and airports.

Cleanrooms & Labs: Maintains sterility without harmful byproducts.

The Future of Greentech Hygiene

Far-UVC is a major step forward. As industries push for greener, safer solutions, it's becoming a key technology. It supports goals in health, sustainability, and carbon reduction while showing real commitment to environmental responsibility.



INTEGRATING PRODUCTS INTO HOME INTERIORS

Why They're Suitable for Homes

1. Minimalist & Modern Design

Many Capnova, products feature sleek, clean lines and neutral color palettes, making them ideal for:

Contemporary living rooms
Open-concept kitchens
Minimalist bathrooms
Home offices and wellness rooms

2. Discreet Integration

Products are designed for flush ceiling mounting, allowing them to blend seamlessly with recessed lighting systems, making them almost invisible yet continuously effective.

3. Silent & Odorless Operation

Unlike traditional disinfection methods, Far-UVC technology works silently and without emitting odors.

4. Portable & Flexible Options

Some Products available in portable configurations, which makes it easy to move between rooms or even use in vacation homes, guesthouses, or small clinics at home.

5. Safe for Occupied Spaces

All products using 222nm Far-UVC light are safe for humans and pets, meaning they can operate continuously in living areas such as bedrooms and kitchens without any health risks.



UV CERTIFIED RECOGNIZED SANITATION. GUARANTEED SAFETY.

Capnova proudly offers official certification to facilities and businesses that utilize our UV-based sanitation technologies.

This certificate confirms that the site meets high international hygiene standards through the use of advanced, eco-friendly disinfection solutions.

- * Issued and authenticated by Capnova
- * Endorsed by the Danish Embassy, reinforcing global credibility
- * Valid for industries including food processing, healthcare, agriculture, hospitality, Poultry & Livestock Farms and Horse Stables.

Facilities awarded the certificate gain customer trust, regulatory confidence, and brand distinction — proving their commitment to health, safety, and innovation.



SAUDI ARABIA

General Presidency for the Affairs of the Holy Mosque and the Prophet's Mosque Applied in: 5 phases, bathrooms, carpet, Zamzam water well factory, wheelchair and general prayer square.

Dr. Sameer Abbas Hospital - Jeddah Applied in: NICU, ER and Isolation rooms.

Dammam Central Hospital - Dammam Applied in: Mental Health Department

Dr. Soliman Fakeeh Hospital - Jeddah Applied in: Ambulance Vehicles

National Guard Hospital - Riyadh Applied in: Operation Theatre

A Doha Poultry Co - Dammam

Applied in: UV 222 used to disinfect broiler and layer poultry houses

King Fahad Specialist Hospital - Dammam Applied in: ICU

King's College Hospital London - Jeddah Applied in: ICU & Operation Theatre

Prince Naif bin Abdulaziz International Airport - Al Qassim Applied in: Passport Control Desks

King Faisal Specialist Hospital & Research Centre - Riyadh Applied in: Operation Theatre

AL Rajhi food Co.







UNITED ARAB EMIRATES



Al Qassimi Women's and Children's Hospital Sharjah

Applied in: Operation Theatre

Ibrahim Bin Hamad Obaidullah Hospital

Ras Al Khaimah Applied in: ICU

Royal Spanish Center for LASIK & Eyes

Abu Dhabi

Applied in: Operation Theatre







Salmaniya Medical Complex

Manama

Applied in: ICU & Oncology Department

King Hamad American Mission Hospital

Manama

Applied in: ICU

King Hamad University Hospital

Manama

Applied in: Operation Theatre

Ministry of Interior – Prisons Buildings Applied in: External Clinics & Waiting Area









Military Medical City

Doha

Applied in: Operation Theatre, ICU & Emergency









Air Force Specialized Hospital Cairo

Applied in: Operation Theatre

Ain Shams Univ. Hospitals

Sohag University hospitals







THANK YOU

