



Genano

## Customer case stories

# Genano

- More than 10 000 installations
- Units used in over 50 countries
- Distributors in over 30 countries



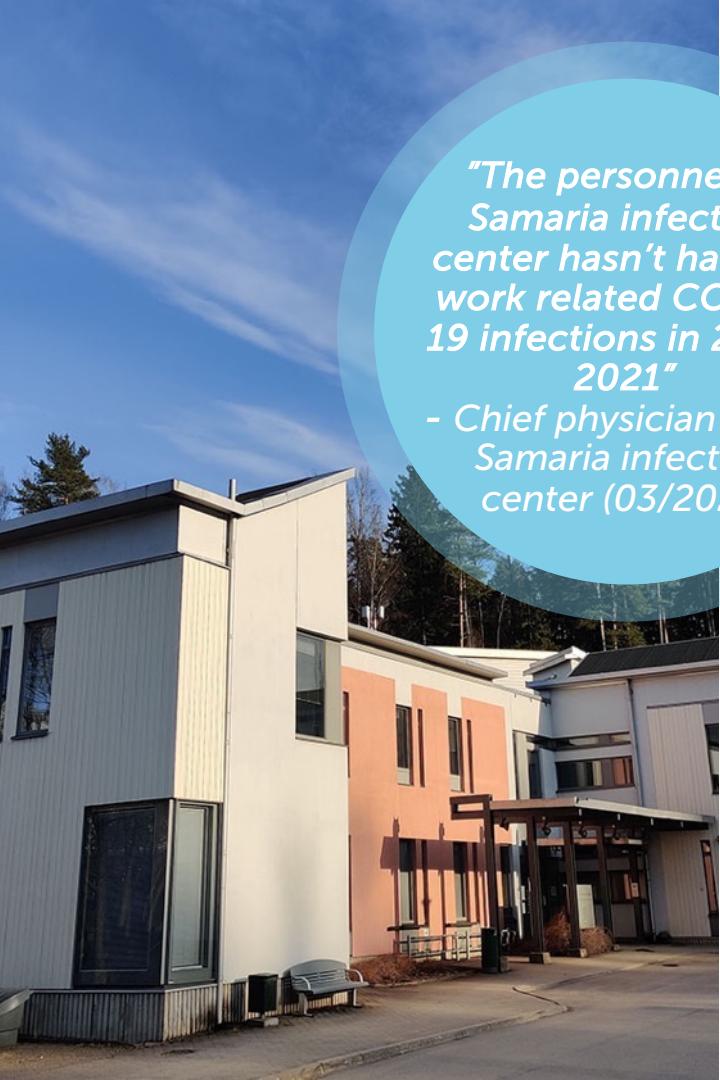


*"We are very pleased  
with our decision to  
choose Genano.  
Genano complements  
the high level of air  
hygiene in our  
hospital"*

**-Harri Puurunen,  
Development  
Director**

## The most famous cancer hospital in Finland invests in patient protection with Genano

- Docrates cancer hospital in Helsinki
- Personalized cancer care without delay
- As cancer patients are typically immunocompromised, the cancer hospital wants to take advantage of life saving measures that eliminates infectious airborne pathogens
- G5250 in operating theatre with a high-quality, fixed ventilation system
- Additional units in public areas such as the reception area and waiting rooms



*"The personnel of Samaria infection center hasn't had any work related COVID-19 infections in 2020-2021"*

*- Chief physician at the Samaria infection center (03/2021)*

## No personnel COVID-19 infections in corona clinic with the help of Genano

- Corona clinic in Espoo, Finland
- Centralized clinic for patients with COVID-19 and corona symptoms
- Goal: protecting front-line staff as effectively as possible by any means that can help
- Air purification as one essential part of safety strategy
- 63 Genano air decontamination units were delivered



*"The sampling was performed with the device running inside the COVID-19 ward and lasted two hours. No traces of SARS-CoV-2 were detected in the air"*

## Isolating COVID-19 with Genano for safety in Tuscany, Italy

- The top priority was isolating the high-intensity departments dedicated to Covid-19 cases from the rest of the hospital premises with the help of negative pressure.
- Negative pressure rooms with Genano for 20% of the costs than equivalent with HEPA
- Total decontamination of pathogens and the absence of filters for safety of staff and patients

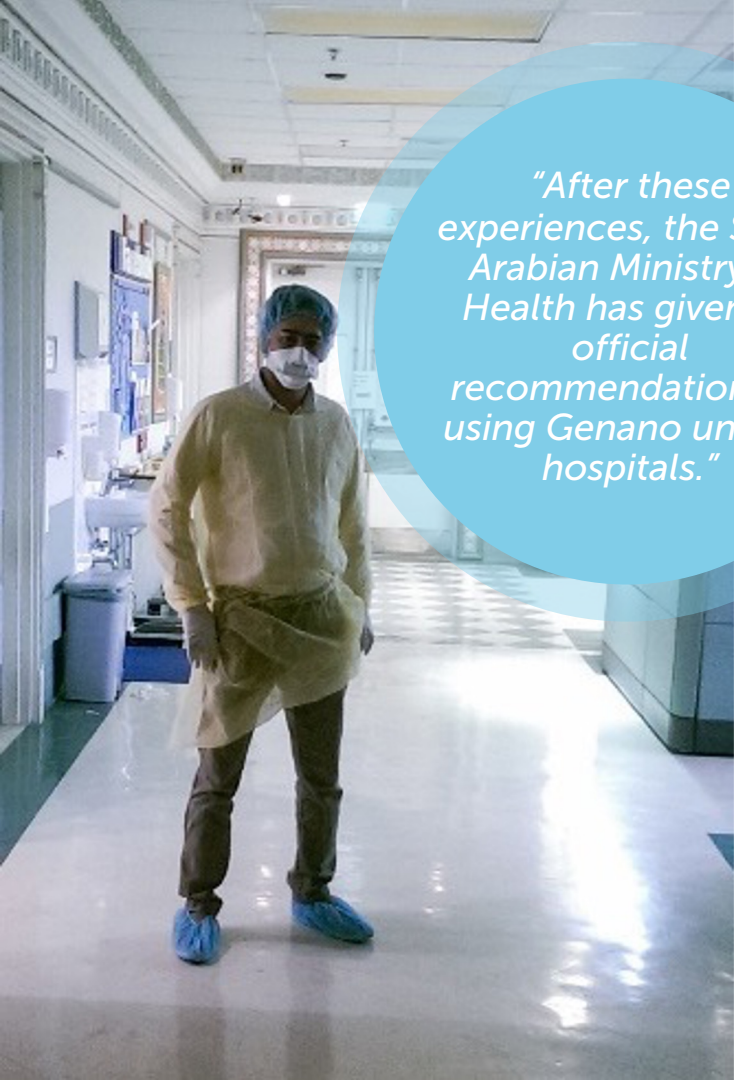


*Safeguarding  
laboratories where  
SARS-CoV-2 samples  
are analyzed*

## Synlab COVID-19 laboratories in Finland and Estonia

- Because of SARS-CoV-2 testing, special attention to staff safety
- Synlab COVID-19 laboratories equipped with Genano 5250 and 350 models
- Units used in laboratories both in Helsinki, Finland and Tallin, Estonia
- Additionally ensuring quality in processes






*"After these experiences, the Saudi Arabian Ministry of Health has given an official recommendation for using Genano units in hospitals."*

## Fighting Mers In Saudi Arabian Central Hospitals

- When the MERS epidemic struck Saudi Arabia, hospitals were not ready for the amount of patients that needed isolation
- Existing rooms which utilized HEPA were not functioning as expected
- With the help of Genano air decontamination units, Saudi Arabian hospitals have been able to treat patients safely and without the risk of additional virus infections

## Protecting Hematology Patients In Polish Regional Hospitals

- Genano has delivered a total of over 150 air purifiers to Polish hospitals responsible for **hematology and oncology**
- They are used to protect immunosuppressed patients after bone marrow transplantation

A woman with short blonde hair, wearing a white lab coat over a dark top, stands next to a tall, grey Genano air purifier. The air purifier has a blue 'G' logo and a red cross symbol on its side. A large, semi-transparent blue circle is overlaid on the image, containing a quote.

*"We have seen the effect of Genano in practice and we are very happy. Without them there would be very high risk of infections for the patients." – Head Nurse of Hematology District Katarzyna Stępień, Provincial Specialist Hospital Copernicus, Lodz*





## Patient Safety Comes First In Belgium's Largest Hospital

- UZ Leuven, Belgium's largest hospital & first to get JCI accreditation
- Genano is used to protect patients in critical condition, to prevent spreading of diseases and in IVF laboratories.
- Routine measurements show that Genano performs very well

*"We do see a difference when Genano is in the room or not."*

*– Head Nurse Carine Breunig, Abdominal Transplant Surgery and Coordination Unit and the Nephrology Unit*



*"We added Genano to the existing air ventilation system, and that system has worked for us extremely well. The overall process to modify the facilities was very rapid and easy and also maintenance cost of the system is reasonably low."*  
– CEO Tuomas Tenkanen

## Ensuring ultra-pure air in a Mobidiag molecular diagnostics laboratory

- Manufactures PCR-based molecular diagnostics products for human pathogen detection
- Laboratory environment purity extremely important
- Mobidiag moved to new facilities where cleanrooms had to be built
- Building new cleanrooms is expensive and time-consuming, and they decided to use Genano technology instead of traditional HEPA filtration systems
- ISO6 level was reached with Genano



*"By using Genano air purifiers, Finnzymes has succeeded in minimizing the risks of contamination in our products, cross contamination from room to room and helped in its DNA analytics by reducing false positive results."*

*– Jukka Majaharju, Senior Production Scientist*

## Finnzymes – Saving in filter costs while ensuring purity in PCR production

- Part of Thermo Fisher Scientific
- Long experience in PCR products
- Need: removing air impurities in the enzyme packing process
- Solution: Genano air purifier was connected to the enzyme packing machine
- Need for expensive HEPA filter changes was reduced to less than once per year



*Filtering the input of air by HEPA was not enough for our standards.*

*– After moving a Genano to the problem area we have had no more contamination issues in our samples – Dr. Delia M. Gheorghiu, SUERC*

## Preventing contamination issues in SUERC Laboratories

- Scottish Universities Environmental Research Centre provides universities with collaborative access to equipment & expertise
- In 2012, concerns were raised about laboratory air quality and health risks
- Regular HEPA filter changes and their cost were not convenient
- Study found that cleanroom HEPA filters were not doing their job properly
- Adding Genano air purifiers resulted in drastically improved air quality in the cleanrooms

A close-up, blue-tinted photograph of a microscope's objective lens and stage, serving as the background for the left side of the slide.

## Exceeding expectations in Mannheim Universitätsklinikum

*We achieved much better results than we had to achieve following GMP.”*  
– Prof. Björn Wängler

- The clinical Radiopharmacy department in Mannheim Universitätsklinikum needed to reduce the number of particles in the production process according to Good Manufacturing Practice (GMP) guidelines.
- When Genano 5250 air purifier was installed in the laboratory, purification level of ISO class 7 and a significantly lower deviation of the GMP limits was achieved.





## Making dreams come true in a top-class fertility clinic

- Oocytes (eggcells) and embryos are very sensitive to air contamination before implantation.
- Genano air purifiers are used to further purify HEPA-filtered air in premises where in vitro fertilization (IVF) is carried out.
- Dr. Tekin and his team have helped over 22 000 families over the years.

*"Since using Genano air purifiers we have had a marked increase in our success rates in terms of first time pregnancy results and less miscarriages."*  
– Dr. Halil Tekin,  
Owner & head doctor,  
Crown IVF Cyprus



# Some COVID-19 Hospital References

## BELGIUM

Hopital Marie Curie, University Hospital Mons, Hopital d'Hornu Hornu, CHU Liège, Clique A Renard, Herstal, University Hospital Jette, Hospital Damiaan, Ostend, Hospital, Rivierenland, Hospital St Andries, Hospital CSF Chimay

## ITALY

Ospedale San Raffaele di Milano gruppo San Donato, Italy, ASL Lecce, AUSL Val D'Aosta, Italy ASL di Salerno Ospedale di Oliveto Citra, ASL di Salerno Ospedale di Eboli, IRCCS di Candiolo (TO)

## GREECE

University Hospital of Thessaloniki, General Hospital of Athens, General Hospital of Crete Agios Nikolaos, General Hospital of Crete Rethymno, General Children Hospital of Athens General Hospital of Serres, General Hospital of Kastoria

## AUSTRALIA

Sunshine Hospital, Western Health, Footscrey Hospital, Western Health

## CHINA

Wuhan Tongji Hospital, The First Affiliated Hospital of Guangdong Medical University, Yifu Hospital Affiliated to Nanjing Medical University

## MALAYSIA

Hospital Labuan, Hospital Lahad Datu, Hospital Wanita & Kanak-Kanak Sabah, Hospital Duchess of Kent, Hospital Tawau, Hospital Keningau, Hospital Canselor Tuanku Muhriz UKM, Hospital Pulau Pinang, Sunway Medical Center, Hospital Sungai Buloh, Hospital Kuala Lumpur, Hospital Sultanah Bahiyah, Hospital Raja Perempuan Zainab II, Kota Bahru, Hospital Tuanku Ampuan Afzan, Hospital Sibul, Hospital Bintulu, Hospital Miri

## VIETNAM

General Hospital of Luc Nam, Bac Giang Province, General Hospital Ha-Dong, General Hospital Bac Thang Long, Provincial General Hospital of Nghe An, Gynecology and Obstetrics Hospital of Nghe An, Vinmec International Hospital, Hop Luc Hospital, General Hospital of Yen Phong, Bac Ninh Province

## SAUDI ARABIA

Prince Mohamed Bin Abdelaziz Hospital, Imam Abdelrahman Alfaisal University Hospital, King Fahad Medical City (KFMC), Aldariyah Hospital, King Saud Medical City (KSMC), Aleman Hospital, Jazan Military Hospital