



ECO HYGIENE ISLAND

“ALL-IN-ONE” SYSTEM SOLUTION FOR THE ON-SITE DECONTAMINATION OF INFECTIOUS WASTE

- ENERGY SELF-SUFFICIENT – MAXIMUM FLEXIBILITY IN AREA OF APPLICATION
- TRANSPORTABLE – IMMEDIATE START-UP ON-SITE
- MODULAR – POWERFUL SYSTEM COMPONENTS AS REQUIRED



METEKA
GIVES
GERMS
NO
CHANCE



ADVANTAGES AT A GLANCE

Decontamination of infectious waste in the place where it is produced and where there is a lack of adequate facilities. "ECO Hygiene Island" provides the proper infrastructure for situations in which swift, targeted action must be taken.

If resources such as electricity and water which are normally available cannot be accessed, intelligent solutions are required. The most modern system components within the "ECO Hygiene Island" ensure that a low amount of energy is required, which in turn guarantees independence from powerful external supply sources. The system can be operated completely autonomously. An integrated photovoltaic system

and a water tank make flexibility at maximum efficiency possible.

Perfectly equipped with the tried and tested MEDISTER HF decontamination technology, the „ECO Hygiene Island“ also offers everything required for the safe handling of infectious waste. The modular system solution ensures the availability of a broad range of services which meet the demands for reliability, precision and ease-of-use to the highest level.

The "ECO Hygiene Island", developed for effective infection prevention on-site, is based on a 20-foot-container.



ECO Hygiene Island,
external view

PREDESTINED FIELDS OF USE OF THE "ECO HYGIENE ISLAND":

- Hospitals which lack space or are hugely congested
- Infirmarys in regions lacking in infrastructure, or in crisis zones
- Refugee camps with minimal infrastructure

"ECO Hygiene Island" was developed with the aim of implementing the basic principle of the hygienic control of epidemics – isolating the source of the risk of infection – in the most effective way possible. METEKA successfully follows the philosophy of the "non-contamination strategy", which is consistently further developed and implemented in innovative ways. "ECO Hygiene Island" is the most impressive result of this ambitious goal.



MEDISTER TECHNOLOGY

ADVANTAGES OF THE WASTE TREATMENT SOLUTION:

- Infection prevention through specific collection logistics, which combines the collection, transportation, and disinfection processes in the same **MEDITAINER container**
- The highest level of reliability when it comes to the treatment of waste thanks to the **MEDISTER Even-Heat Microwave Technology**
- Simple and easy operation due to the fully automated programme processes and the short cycle times
- Economic viability and ecological friendliness due to costs which can be saved for the disposal of special waste and chemicals while minimising energy and maintenance requirements
- Legal security due to the certified and approved **MEDISTER treatment process** and the comprehensive process documentation

The METEKA Hygiene and Infection Prevention System is a field-tested comprehensive solution for managing infectious waste.

THE SEAMLESS PROCESS IS DIVIDED INTO FOUR STEPS:



TECHNICAL DATA AND AVAILABLE CONFIGURATIONS

STANDARD CONFIGURATION	ECO Hygiene Island 20	ECO Hygiene Island 160
Isolated 20-foot-container, external dimensions (LxWxH) 6058 x 2438 x 2591 mm	•	•
Access ramp for easy loading	•	•
2 windows (tiltable)	•	•
Internal lighting	•	•
Air conditioning unit for heating and cooling	•	•
Exhaust air fan	•	•
High-quality plastic flooring (disinfectant-resistant)	•	•
Washbasin with knee switch	•	•
Touchless disinfectant dispenser (1000 ml)	•	•
Touchless soap dispenser (500 ml)	•	•
Paper towel dispenser	•	•
Power distribution box and cabling	•	•
Water connection	•	•
Wastewater connection	•	•
Power connection	•	•

ALTERNATIVE CONFIGURATION	ECO Hygiene Island 20	ECO Hygiene Island 160
HF-Waste Disinfection Device	MEDISTER 20 (1-3 pcs.)	MEDISTER 160 (1-3 pcs.)
Max. volume disinfected per device and cycle	20 l	60 l
Treatment duration per cycle		45 min
Electricity generator		Optional
Photovoltaic system (20 m ² , 4 kWp) with backup batteries		Optional
Water tank (100 l) with waterwork		Optional
Technical room for photovoltaic system and water tank		Optional
Shredder / Shredder with discharge screw		Optional
MEDITAINER-cleaning area		Optional
Canopy		Optional

A separate container can be installed beside the ECO Hygiene Island. The ideal place for collecting, separating and storing different hazardous waste fractions (e.g., pharmaceuticals, chemicals, and flammable substances).

CERTIFIED AND APPROVED DECONTAMINATION EFFICACY:

The HF thermal decontamination process reaches the effectiveness range A,B,C. It kills resistance stage I – IV germs [reference germ: bacillus atrophaeus (subtilis) spores, reduction rate > 5 log₁₀].

INACTIVATION OF

- all viruses, e.g. Hepatitis, A,B,C, HIV, Polio, Ebola, SARS, MERS
- all vegetative bacteria e.g. E. coli, staphylococci, streptococci, tubercle bacilli, tetanus, cholera, and typhus germs
- spores of anthrax bacillus
- all parasites and fungi

ECO Hygiene Island 20, internal view



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