



STERILWAVE



**INNOVATIVE SOLUTION
FOR BIOMEDICAL WASTE
MANAGEMENT**



Biomedical waste

A worldwide challenge for public health & environment

Treating properly hospital waste must be a priority



From tens to hundreds kilos of dangerous bio hazardous waste are daily produced in each hospital



Infectious biomedical waste is considered as the most dangerous waste generated in hospital



More than 40% of healthcare centers don't have suitable system to treat infectious waste safely

The Covid-19 pandemic has increased the volume of infectious waste generated by healthcare centers which represents a major biological threat if not treated properly.



The WHO and the United Nations recommend to treat infectious waste directly on hospital site



Sterilwave®, the on-site solution compliant with the WHO's recommendations



Sterilwave®

A full range of solutions

The most compact solution combining shredding & microwave heating in one single vessel



STERILWAVE 100

Volume of the vessel: **100L**
Treatment capacity: **200L/h, up to 20kg/h***
Average cycle time: **30min**
Dimensions (L x W x D): **1.7 x 1.2 x 1.1m**
Weight: **700kg**
Recommended working area: **8sqm**
Ceiling height: **2m**
Electricity: **400V/ 3-Phase, 40A****

STERILWAVE 250

Volume of the vessel: **250L**
Treatment capacity: **500L/h, up to 50kg/h***
Average cycle time: **30min**
Dimensions (L x W x D): **1.6 x 1.1 x 1.5m**
Weight: **1,200kg**
Recommended working area: **10-12sqm**
Ceiling height: **2,2m** (3m with automatic loading option)
Electricity: **400V/ 3-Phase, 63A****



STERILWAVE 440

Volume of the vessel: **440L**
Treatment capacity: **880L/h, up to 88kg/h***
Average cycle time: **30min**
Dimensions (L x W x D): **2 x 1.1 x 2m**
Weight: **1,400kg**
Recommended working area: **15-20sqm**
Ceiling height: **3m** (3.85m with automatic loading option)
Electricity: **400V/ 3-Phase, 63A****

STERILWAVE 900

Volume of the vessel: **900L**
Treatment capacity: **1,800L/h, up to 180kg/h***
Average cycle time: **30min**
Dimensions (L x W x D): **2.7 x 2.9 x 2.5m**
Weight: **1,500kg**
Recommended working area: **30sqm**
Ceiling height: **4m**
Electricity: **400V/ 3-Phase, 100A****



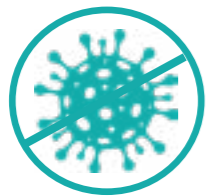
*with a waste density of 1L=0.1kg, variable on the type of waste

**adaptable to other electrical specifications



Sterilwave® Key benefits

Manufactured in France,
Sterilwave® technology is referenced worldwide



Efficient

Up to 8log10 inactivation
Compliant with all international standards



Safe

No pressure
No irradiation risk
No chemicals



Cost Reduction

Plug & Play solution
Easy maintenance
Low operating costs



Eco-friendly

100% electric
No water, no liquid effluent
Circular economy possibility



No waste segregation

Adapted to any kind of medical waste with their bags and containers, including sharps and related



Sterilwave®, a cost-competitive technology
that reduces your carbon and water footprint



A 30-minute automatic process in one single vessel

From infectious waste to municipal waste



20°C



LOADING BIO-HAZARDOUS WASTE

No segregation
Manual or Automatic
(option)

40°C

GRINDING

Rotative blades for
unrecognizable output
waste

70°C

HEATING & STERILIZATION
UP TO 110°

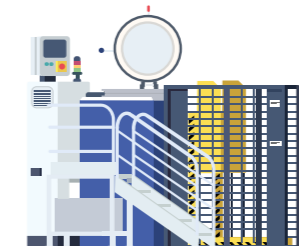
Microwave treatment
No pressure

UP TO
110°C

Full traceability



UNLOADING
INERT WASTE



Infectious waste

85% volume reduction
25% weight reduction

Compact, inert & dry waste
Circular economy possibilities



A comprehensive offer of technical services



Technical support worldwide:
installation & training
on customer site



Real-time monitoring
of all operational data
at distance

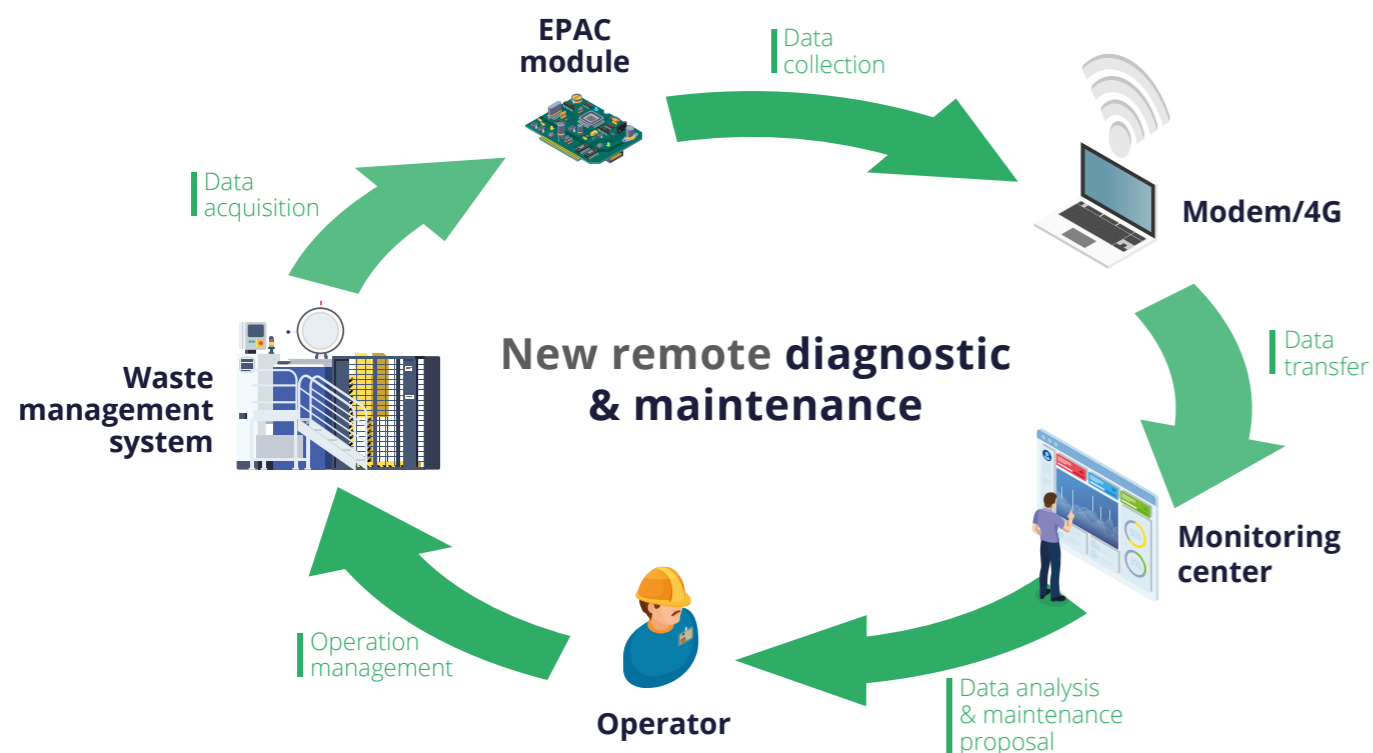


Smart maintenance:
video tutorials &
maintenance protocols on
secured customer platform



Factory in France:
continuous availability
of spare parts & express
shipping worldwide

Bertin Monitoring Center:
online diagnostic & maintenance system available 24/7



A patented technology adapted to your needs



Hospitals, clinics, laboratories,
healthcare centers



Specific integration on demand:
container, remote location, temporary
installation & field hospitals



Sterilwave®, a reliable plug & play solution

For any type of biomedical waste

Hospital & laboratory waste, solid & liquid
medical waste, human & animal pathological
waste, sharps & prickly hospital waste with
their containers, cultures and stocks,...

**Sterilwave is adapted to any waste
listed in state and federal regulations as
medical waste.**



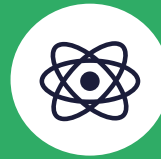
BERTIN TECHNOLOGIES is a French scientific instrumentation manufacturer. The company develops high value-added instruments and equipment for critical applications. Every day, Bertin Technologies pursues technological advances in the fields of Nuclear, Defence, Space, Big Science, Life Sciences and Healthcare.



530 employees



€92 million
of turnover in 2021



+90% of scientific
instrumentation



50% of turnover
generated by
export sales



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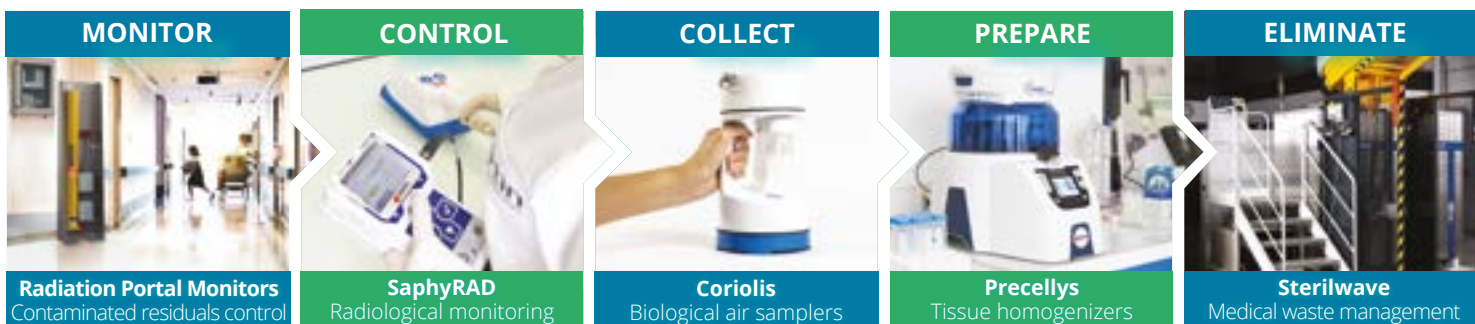
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