



# BERTIN'S OFFER IN HEALTHCARE ENVIRONMENT

# BERTIN, YOUR PARTNER IN HEALTHCARE ENVIRONMENT

A comprehensive range of **sustainable technologies** taking into account **your issues**

## SaphyRAD

*Radiological monitoring*



CONTROL

## Coriolis $\mu$

*Biological air sampler*



COLLECT

## Precellys

*Sample homogenizer*



PREPARE

## InCellis

*Digital microscope*



OBSERVE

## Sterilwave

*Medical waste management*



ELIMINATE

# NUCLEAR & HEALTH PHYSICS



# ALPHA/BETA CONTAMINATION CONTROL

- ▲ Pharmaceutical industries, health and research facilities **use radioactive sources** on a daily basis for treatment or as radioactive tracer. Therefore, **the staff is inevitably exposed to a risk of contamination** which needs to be controlled.
- ▲ Bertin Instruments has developed a full range of products and system dedicated to **radiation protection and ionizing radiation monitoring** on an international scale.



CONTROL

# IMPROVING CONTAMINATION CONTROL WITH SAPHYRAD

## ▲ Equipment:

- Visual alarm
- Proximity sensor along with a full range of probes
- Radioelement library

## ▲ Benefits:

- Adaptable to all surfaces: 31 cm<sup>2</sup> to 100/170 cm<sup>2</sup>
- Detects all types of radioactivity by direct control or smear sample

## ▲ Designed to enhance contamination control

- Guarantees an effective control of contamination at the exit of the controlled area
- Improves workers safety (in compliancy with ALARA principle)

## ▲ Radiological cleanliness

- To assess the contamination risk of a workplace

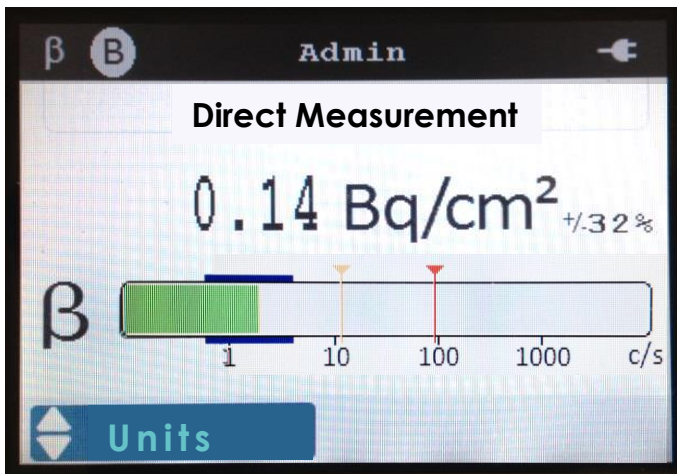


100 and 170 cm<sup>2</sup> probes

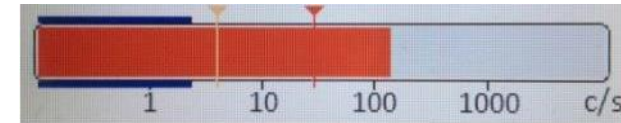


31 cm<sup>2</sup> probe

# SAPHYRAD: IMPROVED ERGONOMICS



- ▲ **NEW:** proximity sensor
- ▲ Intuitive MMI
- ▲ Fast reading of information
- ▲ Color Bargraph
- ▲ 3 user profiles
- ▲ 5 Measurement Modes



**INNOVATION** NOMINATED FOR THE



# RADIOLOGICAL CONTROL OF CONTAINER LOAD - RCCL

▲ The R.C.C.L system is designed for the radiation contamination monitoring of container, package, or pedestrian at the exit of hospitals.

- It does not require intervention by control staff
- Real-time follow-up of the changes in the count rate during measurement
- Industrial equipment designed to be used under all conditions



LIFE SCIENCES





# LIFE SCIENCES

- ▲ Bertin Instruments develops and provides laboratory equipment dedicated to the pharmaceutical and biotechnology industries.



COLLECT



PREPARE



OBSERVE

# BIOLOGICAL AIR SAMPLERS – CORIOLIS



## ▲ Air quality control in hospital

- Compatible with all analysis method thanks to its unique vortex technology
- Dry/liquid cyclonic collection
- Optimized for micro-organism, pollens, spores...



# SAMPLE HOMOGENIZER – PRECELLYS



## ▲ Efficient and flexible sample homogenizers for grinding any samples prior to analysis

- A full range of versatile, ergonomic homogenizers
- Ideal for biopsies for molecular diagnostic
- > 10 years of expertise in sample preparation
- A scientific support to optimize your results



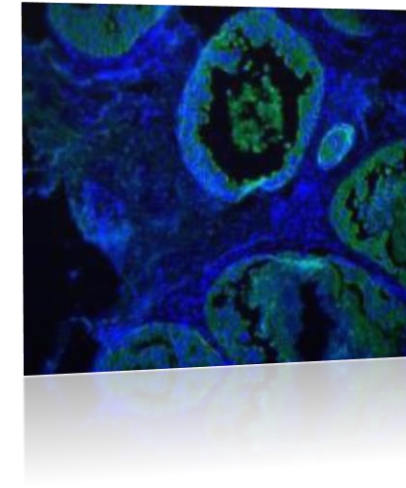
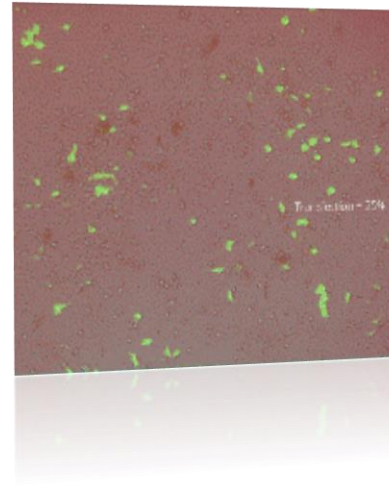
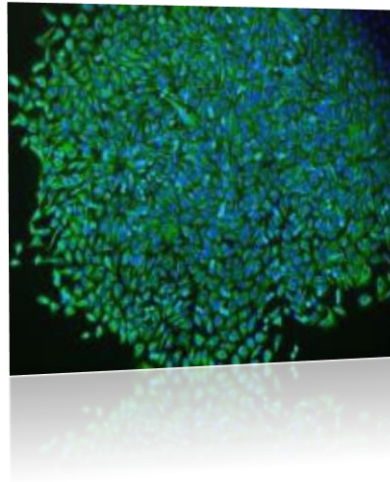
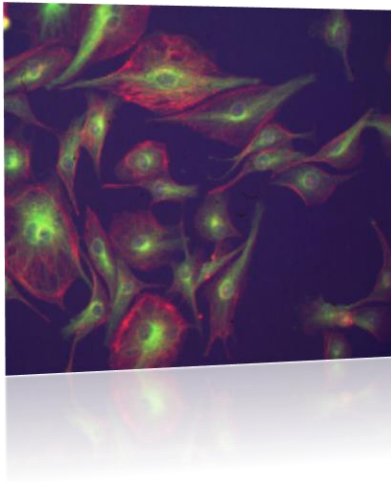
**30,000 +**  
Users  
worldwide  
on all types of samples

# CELL IMAGING SYSTEM – INCELLIS



## ▲ Smart Cell Imaging system

- Smart interface to save and share results
- High Performance Specifications: LL Color CMOS Sensor, 4 Fluorescent Channels...
- Embedded applications for image processing
- Image analysis & sample qualification



# BERTIN MEDICAL WASTE



# BERTIN MEDICAL WASTE

- ▲ Unsafe collection and disposal of bio-hazardous medical is a threat. Most of the waste generated by health facilities is not properly disposed.
- ▲ Bertin Medical Waste offers years of experience in the treatment and management of biomedical waste.
- ▲ Its innovative solutions offer modern on-site waste decontamination, which ensures safe and effective waste treatment.



ELIMINATE

# MEDICAL WASTE MANAGEMENT CHALLENGES



## ▲ ACCORDING TO THE WHO, CONTAMINATED SYRINGES CAUSED:

- 21 million hepatitis B virus (HBV) infections
- 2 million hepatitis C virus infections
- 260 000 HIV infections worldwide



## ▲ FREQUENT SOLUTIONS:

- **Landfills:** issues related with water contamination
- **Incineration:** release pollutants in the air + ash residues + dioxins.



## ▲ ALTERNATIVES TO INCINERATION:

- Autoclaving
- Microwaving
- Steam treatment
- Chemical treatment

# STERILWAVE: A DEDICATED SOLUTION FOR BIO-HAZARDOUS WASTE TREATMENT



STERILWAVE SW100

▲ Up to 20 kg / hour



STERILWAVE SW250

▲ Up to 50 kg / hour



STERILWAVE SW440 SERIES:

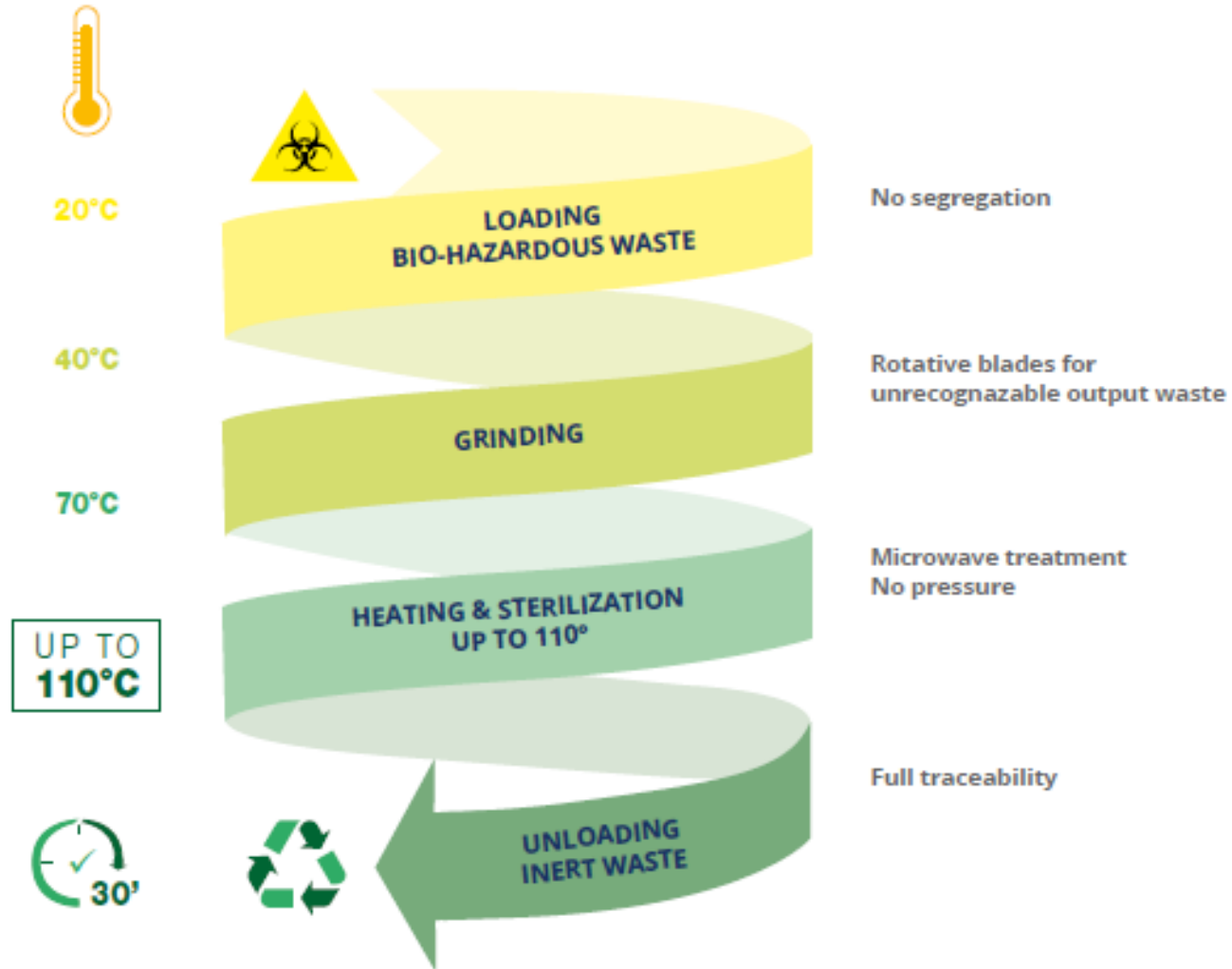
▲ Up to 80 kg / hour





# STERILWAVE: A PLUG AND PLAY SOLUTION

▲ Full process in one single vessel



FULL AUTOMATIC  
30 MINUTES CYCLE

LESS THAN 10 MINUTES  
OPERATOR PRESENCE  
REQUIRED

# SERVICES & MAINTENANCE

# BEHIND EACH PRODUCT, A HIGH LEVEL TECHNICAL SUPPORT



Installation and commissioning



Hotline customer support



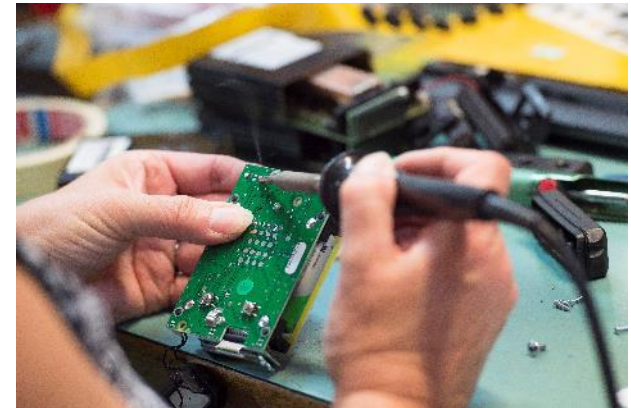
Aftersales support and training



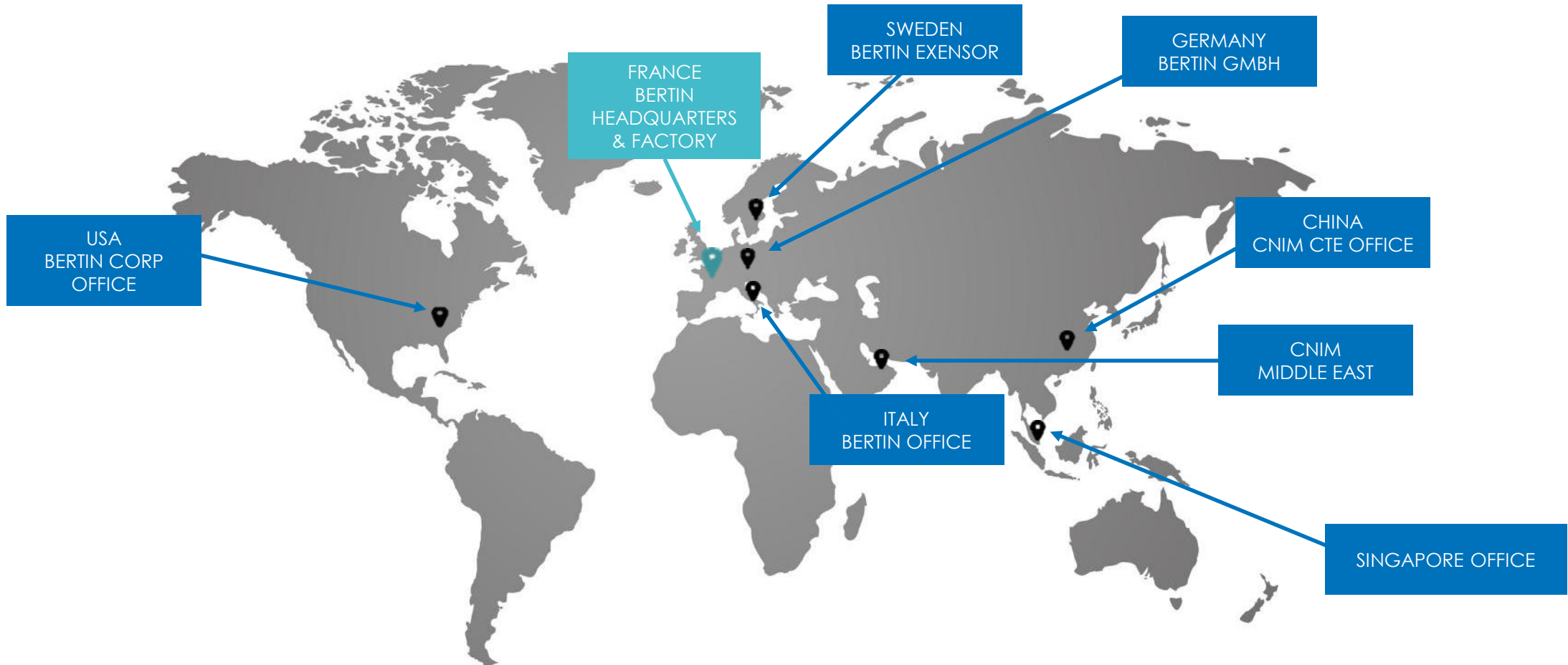
Preventive and curative maintenance



Local support



# CONTACT OUR EXPERTS & JOIN OUR WORLDWIDE NETWORK



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