



APP BASED MICROWAVE MEDICAL WASTE STERILIZATION & INFECTION CONTROL DEVICE

Product Co-developed by :-











ABOUT US

Established in 1941 SS
Medicals specializes in
"Microwave based"
Disinfection and
Sterilization technology.

Our Trailblazing products provide sustainable solutions for the Pre-Treatment of Bio-Medical Waste to combat Infection Control.

Innovation Focus: SSMED prioritizes innovation, aiming to create impactful solutions for global healthcare challenges.

Scalable Impact: Our solutions are designed for scalability, reaching a wider population to address global healthcare issues effectively.

Microwave Sterilization: Specializing in microwave-based cold sterilization*, our technology enhances patient safety with POCD*.

Deep Tech Expertise: With over 400 years of combined experience, SSMED drives medical advancements through deep tech research and disruptive approaches.

Disruptive Sustainability: Our automated and sustainable devices challenge healthcare norms, offering cost-efficient alternatives and promoting "Pro Planet" approach.



SEVERE GAPS IN "BIO-MEDICAL WASTE MANAGEMENT"













Compromised On-site Infection Management

- Deaths in India due to HAI
 9 million per year*
- No Real time HAI Audit
- Compromised Documentation
- Serious lack of Sanitation

Unethical BMW Disposal

- Dioxins & Furans
- Mixed with Municipal
- Food chain pollution

Pilferage & Reuse

- 27% unethical reuse*
- Terminal diseases HIV.
- Major illnesses –
 Hepatitis B

Alarming Increase

in HAI

- PHC:CHC in Dist. Hospitals
- 5 X higher than WHO standards..
- Health Care Workers
- Patients
- Visitors

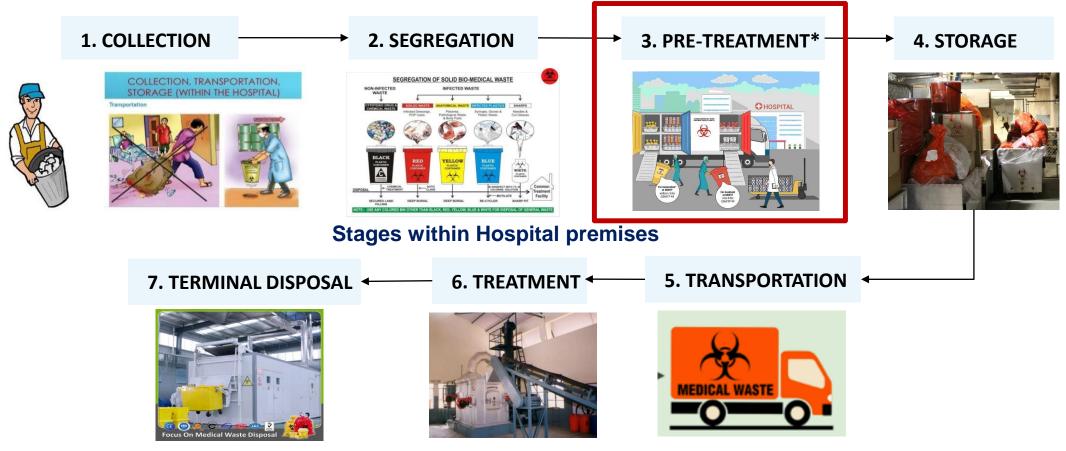
High Operational Cost

- Secondary Equipment required
- Installation area
- RO Water



HOW "THE BMWM PROBLEM" HANDLED

"Pre-Treatment made Mandatory"



Stages for external activities



TRADITIONAL MONITORING METHODOLOGY

Limited Accountability

No HAI Control

High Overheads

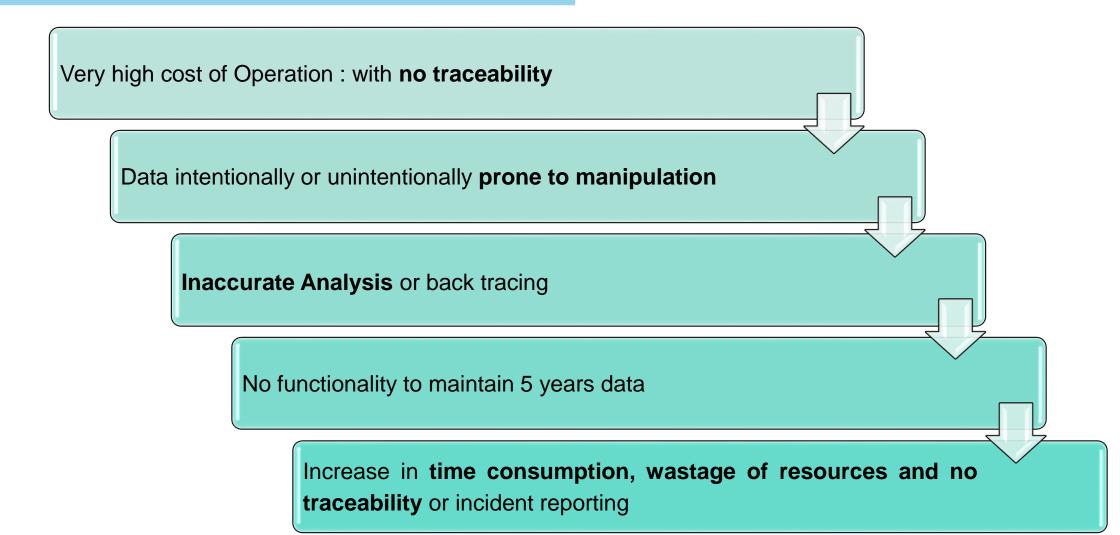
- Morbidity
- Medicine Expenses
- Hospital Reputation

Failure of Healthcare
Matrix – PHC, CHC in
District Hospitals

Machine Operator collects
Batch data manually

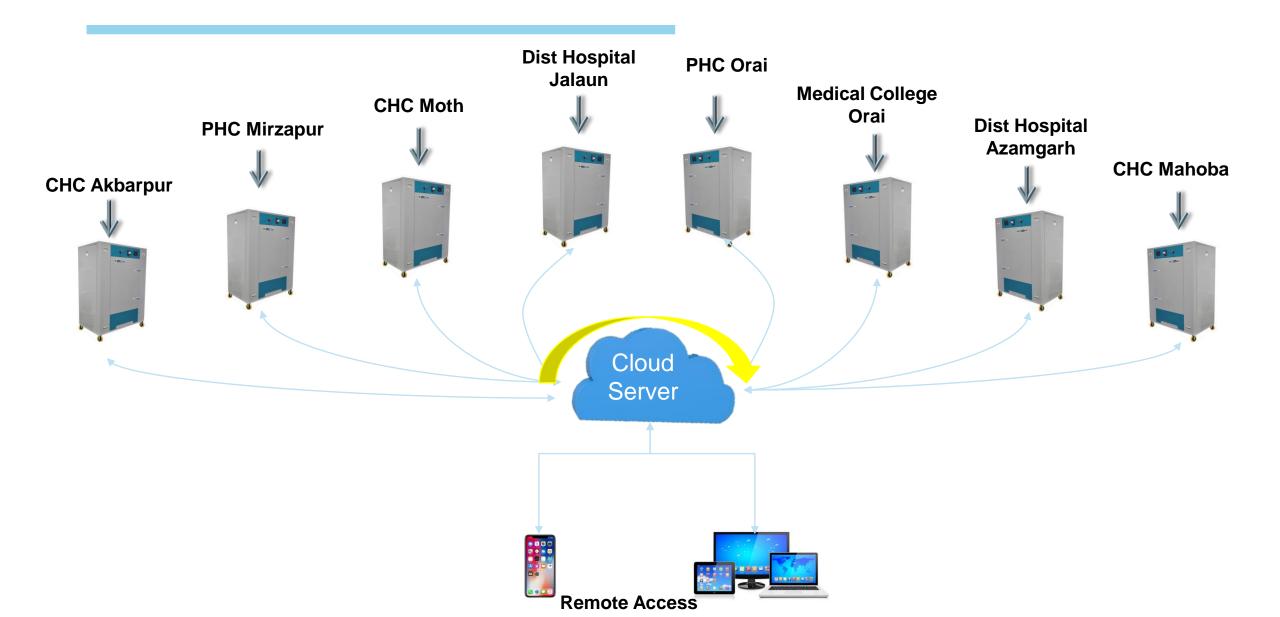
SERIOUS GAPS: WITH THE TRADITIONAL METHODOLOGY





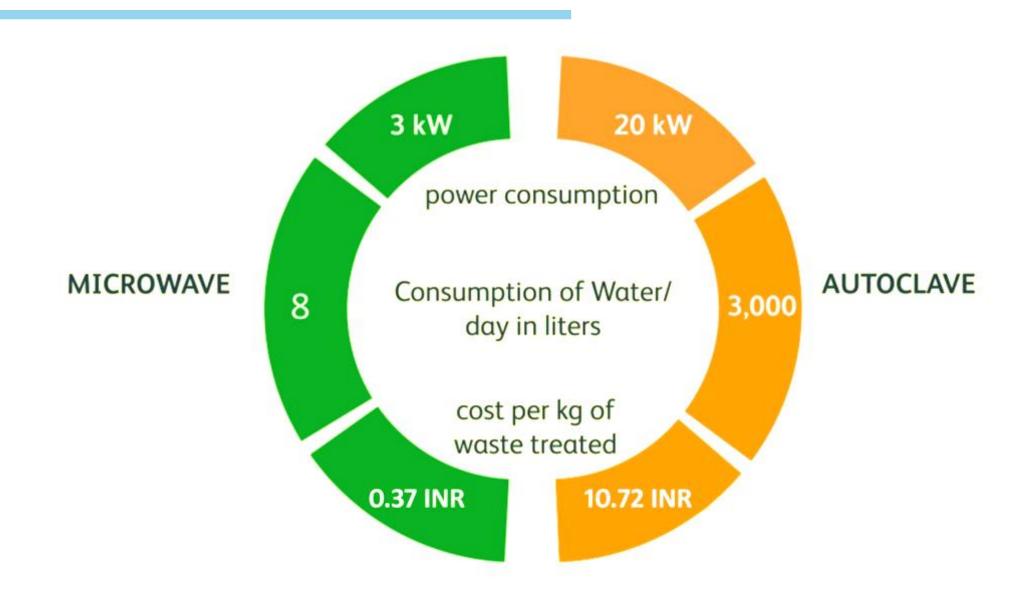


WHAT IS IOT ENABLING?





OPTIMASER VS AUTOCLAVE





BENEFITS OF IOT ENABLING

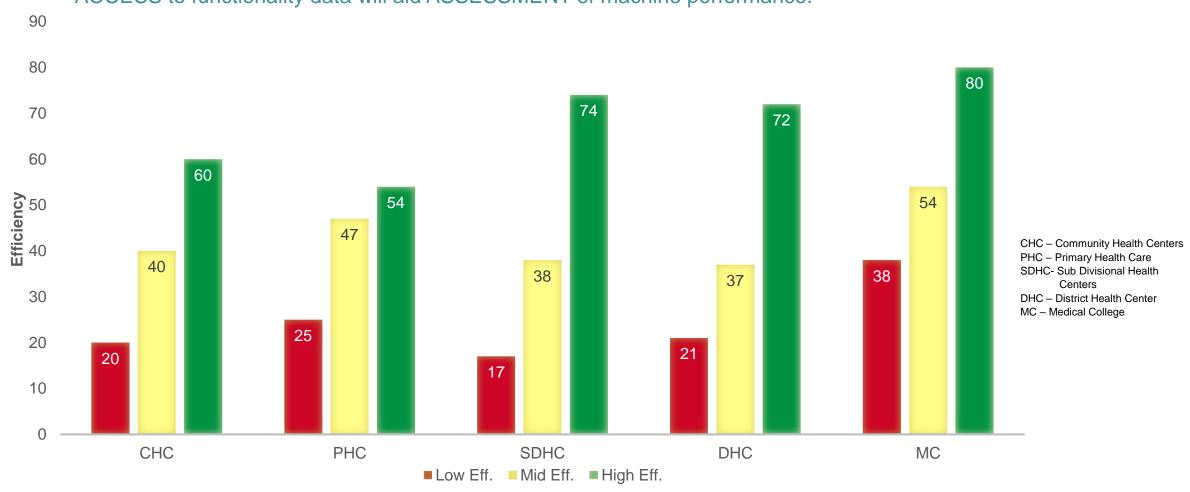
- High Sustainability
- High Real Time HAI Audit
- High App based Efficiency
- High Equipment UP Time as App controlled
- High Patient throughput as Low HAI
- High control of Nosocomial and hospital acquired infection

- Low cost of Operation
- Low HAI
- Low AMR
- Low Patient Prescription Cost
- Low Nosocomial Infection
- Low Morbidity



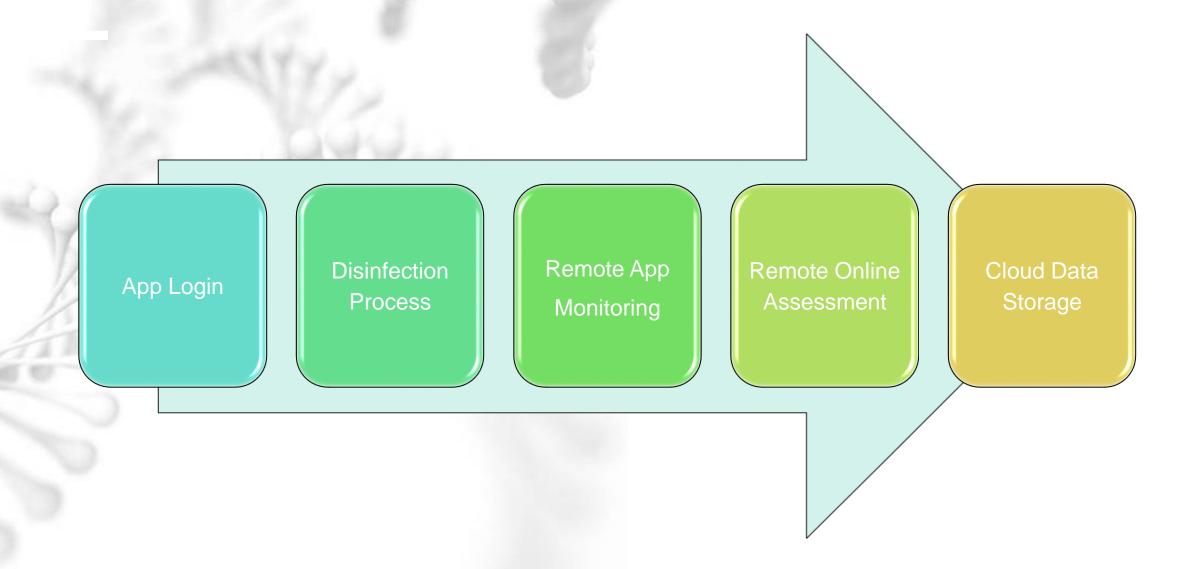
TYPICAL IOT DASHBOARD ON YOUR SCREEN (LAPTOP/MOBILE)

ACCESS to functionality data will aid ASSESSMENT of machine performance.

















A point of generation treatment of bio-medical hazardous waste for 360 degree infection and epidemic control.

















OUR CLIENTELE



All India Institute of Medical Sciences



Border Security Force Hospitals



E.S.I.C. Hospitals (PAN India)



D.G. Armed Forces Medical Supplies



BMISCL Patna



Central Reserve Police Force



N.T.P.C. Hospitals



Apollo Hospitals



Manipal Group of Hospitals



National Institute of TB & Respiratory Diseases



Indian Railways



New Delhi Municipal Corporation



RIMS Imphal



Sahstra Seema Bal Assam



OUR CERTIFICATION, AFFILIATION, VALIDATION & STANDARDS

Certifications

- EU CE (4 DIGIT) **(€**
- WHO-GMP
- DSIR; R&D EXCELLENCE
- ISO 14001-2015
- ISO 9001-2015
- EN 13485
- OHSAS 18001-2007
- SGS
- SHRIRAM & NSIC LABORATORIES

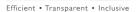
Product Validation

- All AIIMS in India
- GTB Hospital, New Delhi
- SGPGI, Lucknow
- Govt. District Hospitals, Bengaluru
- Bharat Serums & Vaccines Ltd.,
 Maharashtra
- Government Medical College, Haldwani
- Rukmani Devi Beni Prasad Jaipuria Hospital, Jaipur

Government Affiliation





















GLOBAL "QUALITY STANDARDS" PRODUCT













OUR AWARDS AND RECOGNITION



7 PATENTS

7 patents have been jointly applied for different applications by CSIR-IITR & SSMED and are under process



NACO / Gol Approved

OptiMaser® is now NACO / Gol approved for Blood Bank, Bio-medical Waste and Tuberculosis vide certificate No. MHFW S 12015/3/2014-NACO (BS) 28/06 /018



CSIR-IITR Joint Venture

India's 1st Microwave Assisted Translational Research Program



Electronic Industries Association of India

ELCINA EFY 2016-17 Electronics Award for R&D by IAS Shri Ajay Prakash Sawhney Secretary, MeitY, Govt. of India for OptiMaser™



MACS - Microwave Assisted Cold Sterilization

Breakthrough Technology with Zero Environmental effect.





DSIR Approved for In-house R&D

DSIR certified bearing Certification No. TU/ V-RD/4350/2018 & declared a recognised Scientific & Industrial Research Centre for In-house R&D



Best Biomedical Waste Management Device

@ Conference on "Bio-Medical Waste Management: Issues, Challenges, Awareness & Opportunities" at ASSOCHAM-2018



Excellence in Innovation in the Medical Devices Sector in India

@ The Healthcare-Pharma & Medical Devices Summit & Excellence Awards The awardees had been selected by group of eminent professionals from the Industry.



Healthcare Excellence Award

in Best Emerging Medical Equipment Company category through Hon'ble Minister Shri Shripad Yasso Naik MOS, Health & Family Welfare, Govt. of India



Gold Standards in Start-up Industry

Recognized as a start-up by the Department of Industrial Policy and Promotion (DIPP) vide Certificate No.: DIPP28600





Star Scientific Industry Award

Pt. Jawahar Lal Nehru, the Prime Minister of India in 1962 honored "Bhandari Scientific Stores" by awarding Star Scientific Industry Award



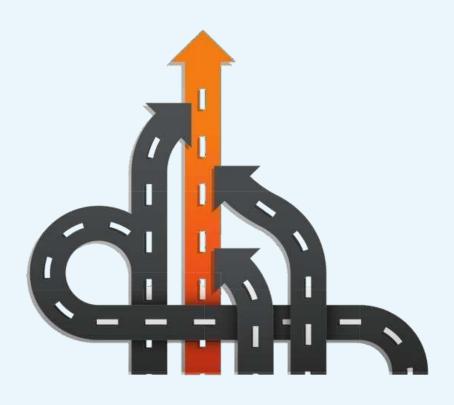
OUR PRESENCE





GOLDEN PROMISE





No matter which road you're on, We'll get you where you need to go.



