Technology/Project Title
Electrolysed water for simultaneous cleaning and disinfection

• Technology Developer
  • Ozo Innovations

• Company Information
  • Ozo Innovations is developing and engineering cost effective and safe oxidative solutions that deliver infection control, improved hygiene and better productivity in food production and processing. Our approach is sustainable and responsible minimising the inputs – water, energy and chemicals- and maximising the outputs – yield and commercial returns to impact our quality of life. Our objective is to improve hygiene, food security and food safety.

• Description of Technology
  • Ozo Innovations’ electrolysed water biocide is produced in a robust and scaleable process using a patented flow cell technology. The solution is sufficiently active to simultaneously clean and disinfect food processing equipment. The system is compliant with EU Biocidal Products Regulation for use in a food and feed area and the company is Article 95 Listed.

• Benefits
  • Be confident in achieving robust hygiene outcomes
  • Time saving – return equipment into production in less time
  • Resource saving – reduce water, heating/chilling and effluent volumes
  • Save power by cleaning and disinfecting with cold (ambient ) solutions

• Target Markets
  • Food and drinks sector

• TRL
  • System presumed to be at 5 with testing at Ozo facilities
  • Biocide Chemistry is 6-7 having proven effective in field trials

• Barriers
  • Potential impact on AD waste water treatment processes
  • Compatibility with site’s current trade effluent consents

• Indicative Cost
  • Dependent on volume requirements at site

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