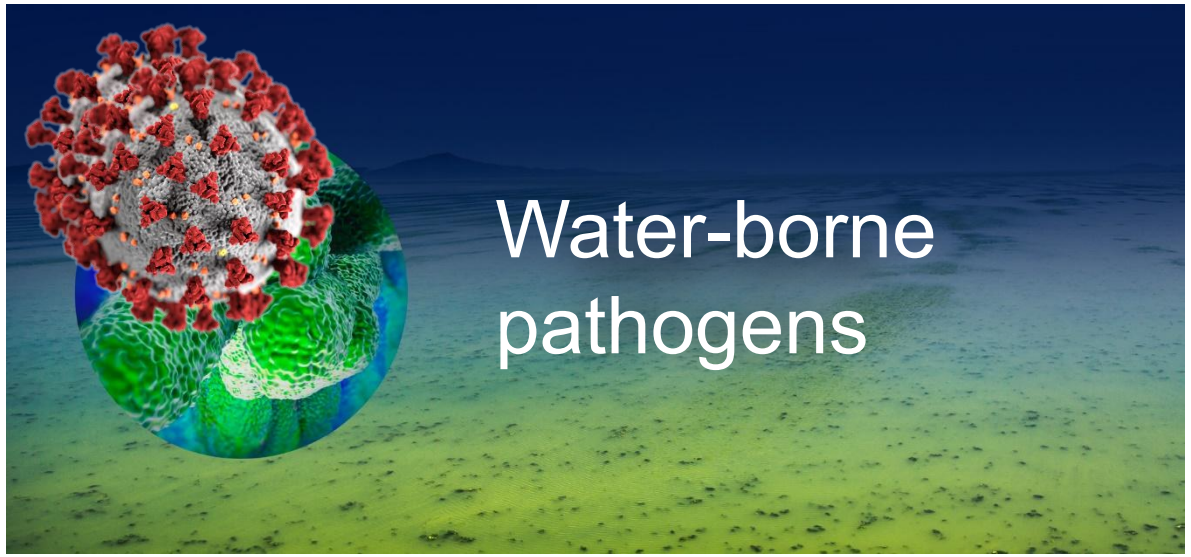
# MatiTech Solutions

Sustainability through Innovation

CAPE TOWN
DAY ZERO

50% of the people in Sub-Saharan Africa have no access to clean water sources

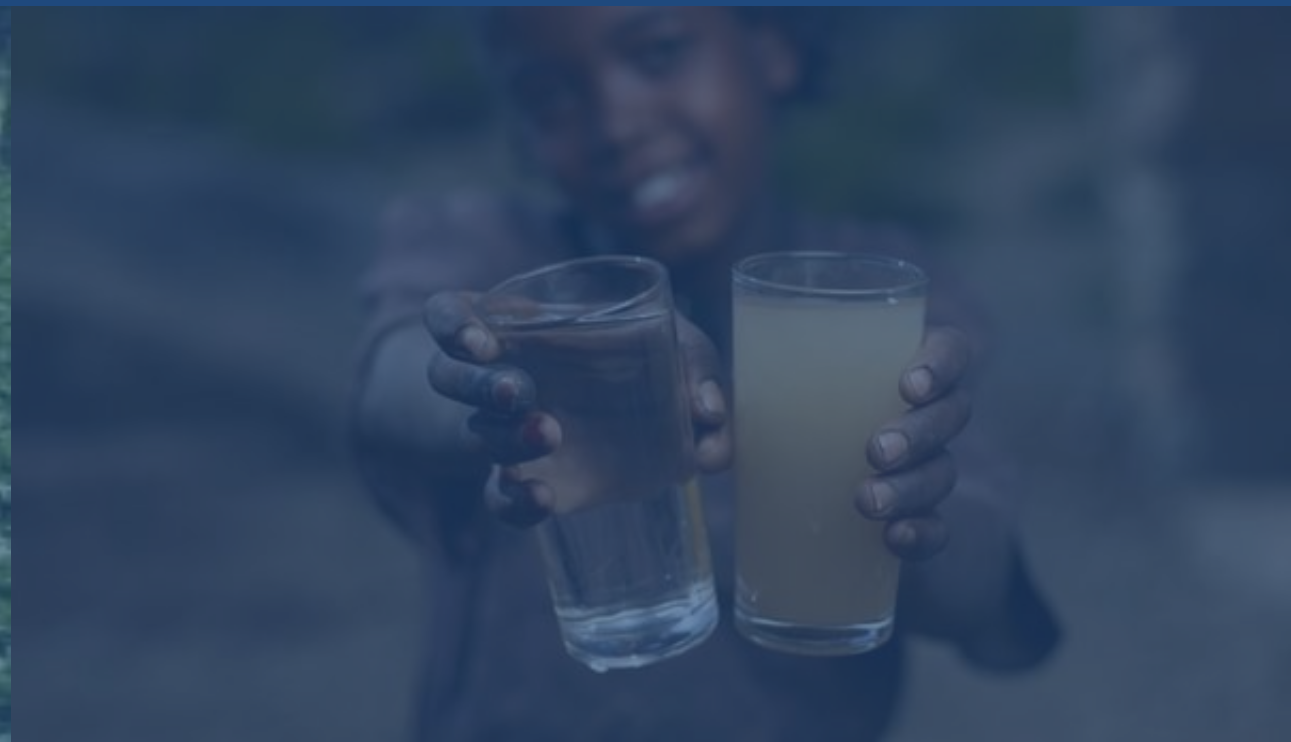
# Southern Africa | Growing water safety threats



- Pathogens – viruses, bacteria
- Carcinogenic micro-pollutants from pharmaceuticals, pesticides and industrial chemicals

- Threats are exacerbated by growing populations, a lack of maintenance, rising pollution levels, increasing water stress, climate change and pandemics.
- Efficient water use and access to clean potable water is a major socio-economic goal of the country and region.

UN SDG6: Ensure availability and sustainable management of the water and sanitation for all.

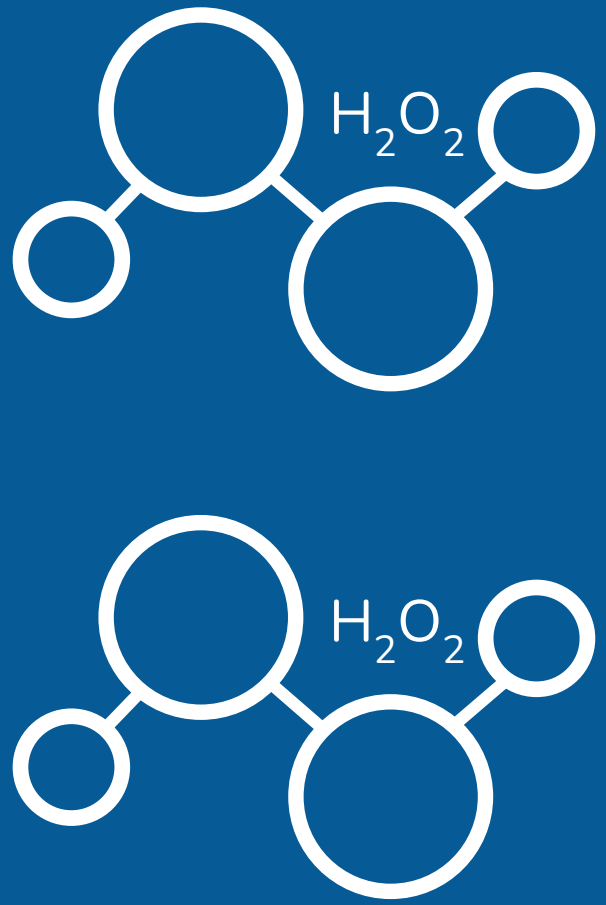


OXIDISING
AGENT
5.1

# Hydrogen Peroxide ($H_2O_2$)

## The Compelling Water Treatment Agent

- Proven and efficient alternative to toxic biocides and water treatment agents
- Highly effective, oxidation potential over 25% higher vs. chlorine
- Leaves no unwanted trace, no salination, and no carcinogenic disinfection byproducts (DBP)



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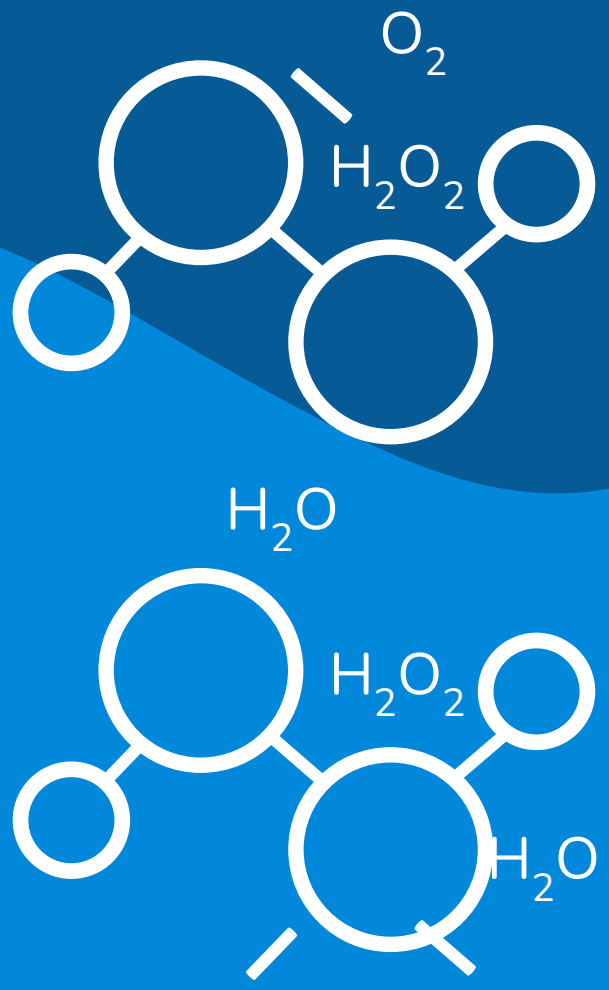
- Breaks down to pure water and oxygen



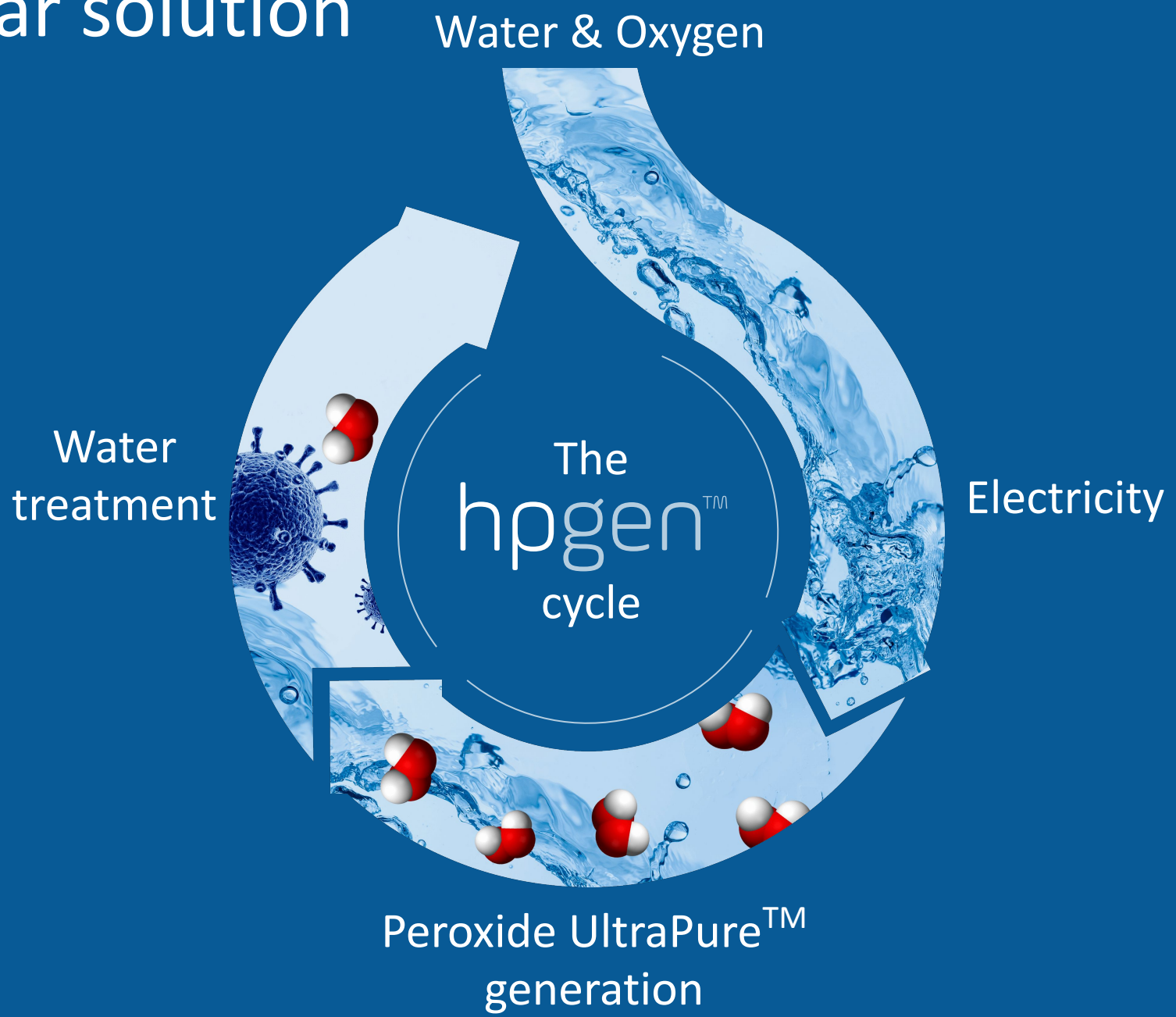
# MatiTech offers Complete and Sustainable Solutions

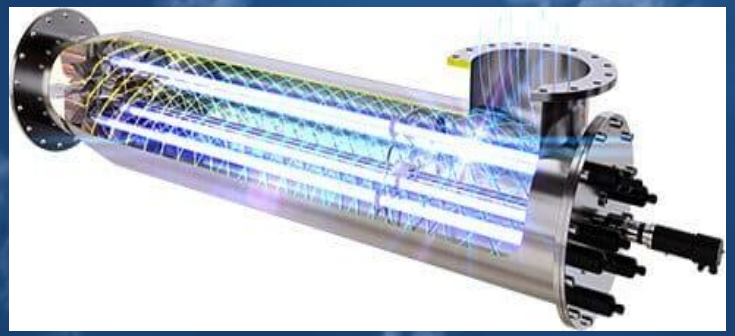
# HPGen

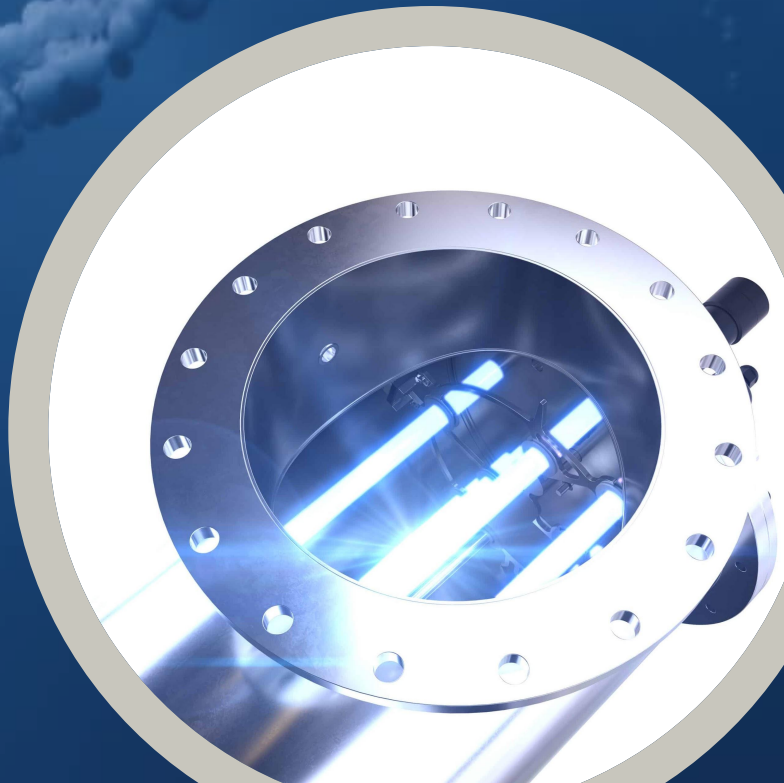
## The world’s first & only commercial on-site hydrogen peroxide generator

# Fully sustainable circular solution

- Generating a powerful water treatment agent and biocide.
- Using only water, air and electricity as the inputs
- Manufactured and applied directly at the point of use, conveniently & safely







# MatiTech is Focused on solving for Africa

MatiTech serves to achieve the following objectives:

- **Innovation**
- **Sustainability**
- **Technology Deployment**
- **Value-Add**
- **Localisation**

**“We can change the world and make it a better place. It is in our hands to make the difference”**

– Nelson Mandela

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