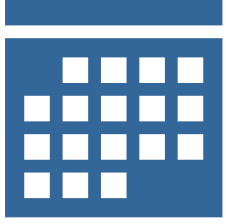




ADVANCES IN WATER PURIFICATION AND DISTRIBUTION TECHNOLOGIES

*Tumi Tsehlo, Group CEO, Dynamic Fluid Control
32 Lincoln Road, Industrial Sites, Benoni
24 October 2024*

ABOUT DFC: KEY ORGANISATIONAL FACTS



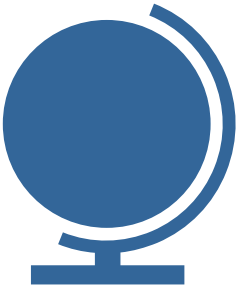
Established in
1947



300+ Employees
internationally



8 Brands



Customers
in+150
countries



Largest SA owned
industrial valve
manufacturer

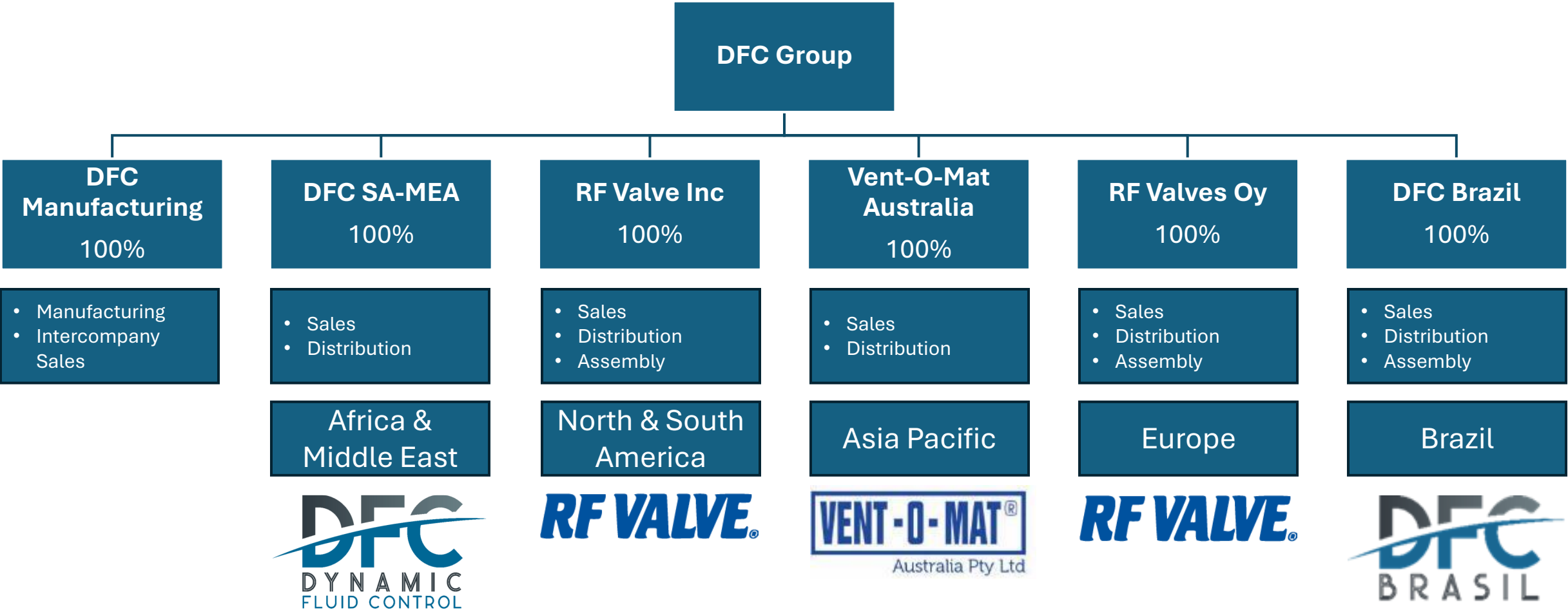


South Africa (HQ),
Australia, Brazil,
Finland, USA



DFC DYNAMIC
FLUID CONTROL

DFC Group Structure



Introduction

- The average annual rainfall in South Africa is around 464 mm, which is relatively low compared to the global average of approximately 860 mm.
- South Africa is generally classified as a semi-arid country.

Introduction

- Regional Disparities
- Water Stress
- Seasonal Dependency



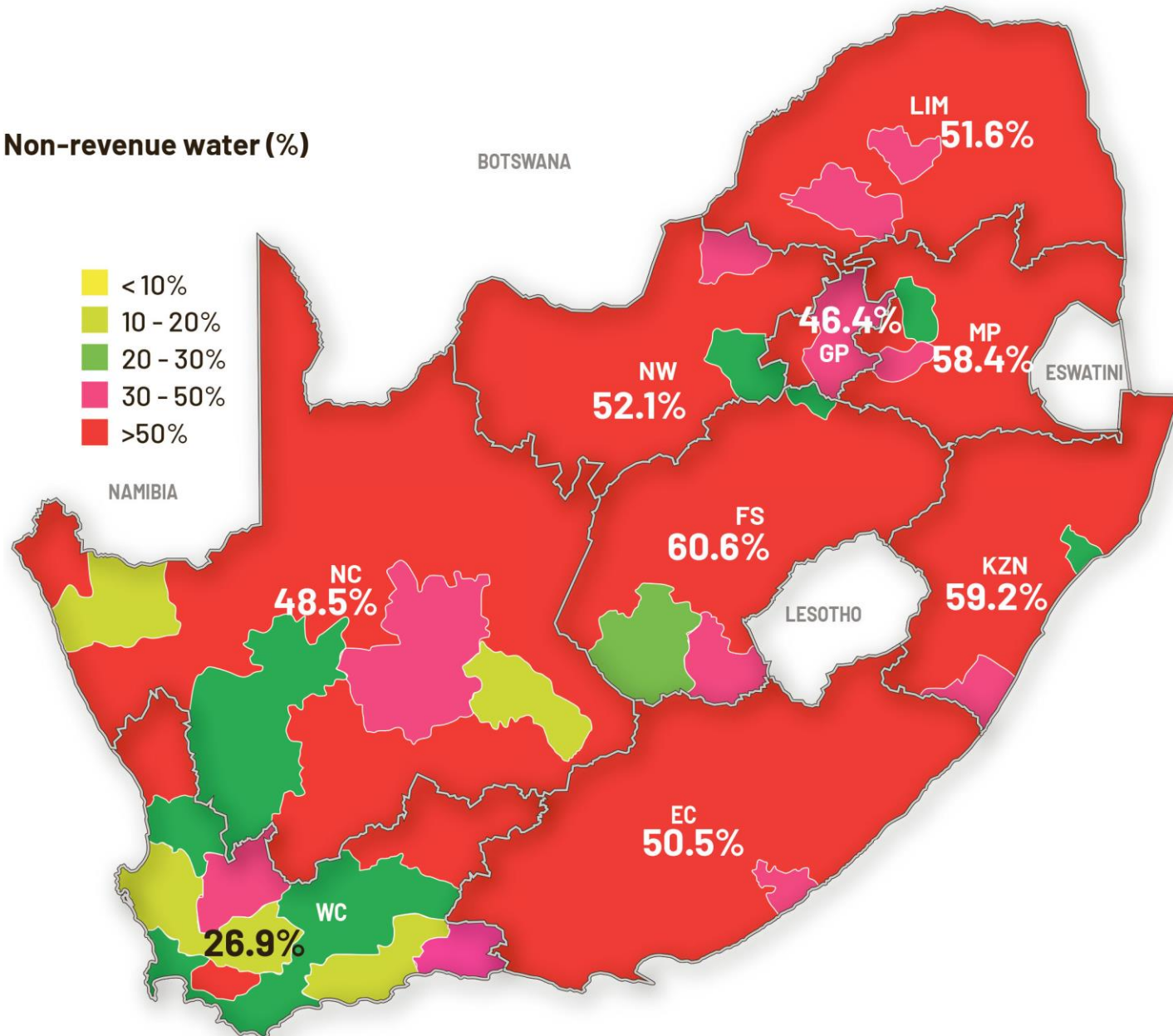
water & sanitation

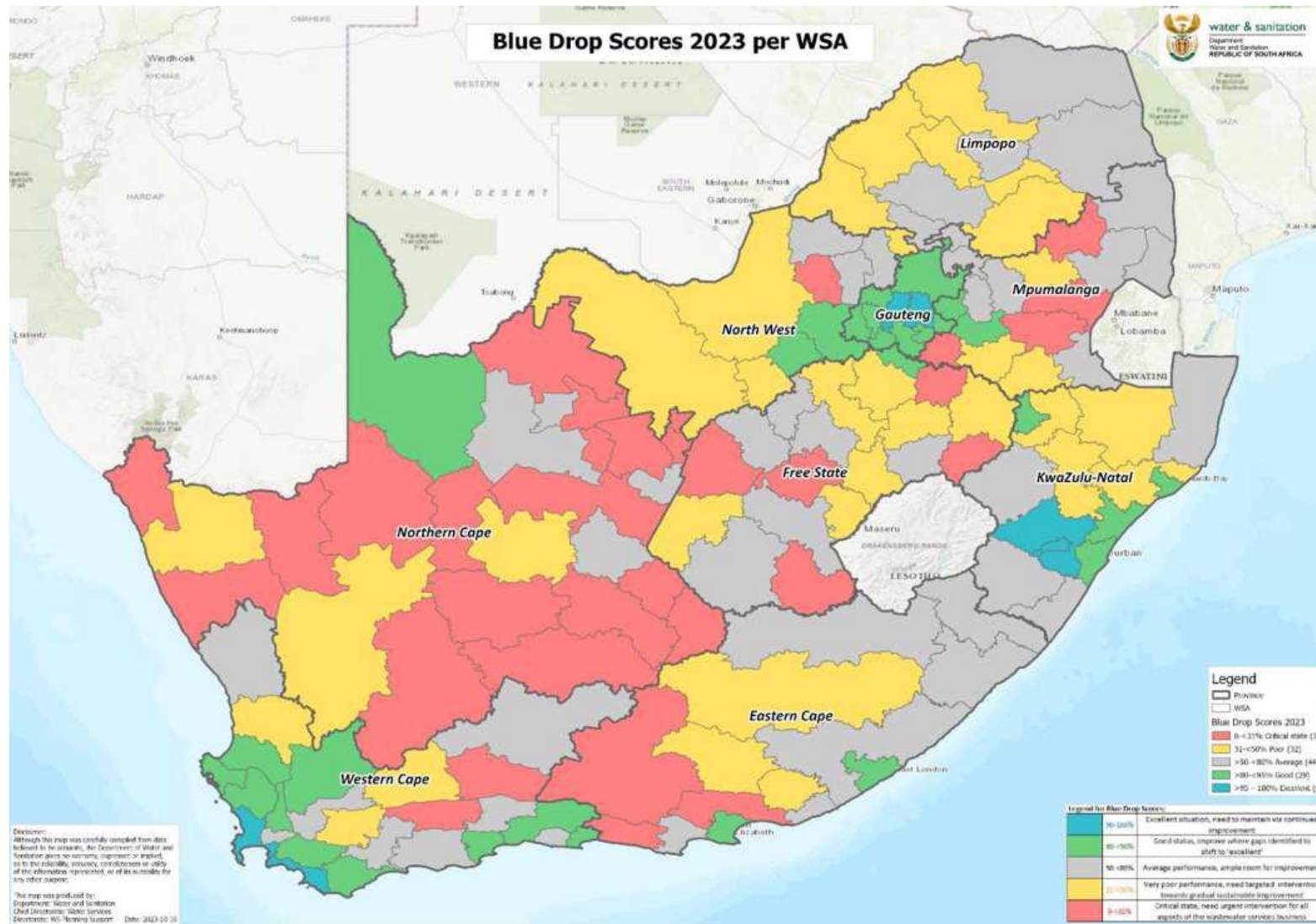
Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

"Water is Life, Sanitation is Dignity"



Non-revenue water (%)





- 144 WSAs & 958 systems audited
- 7 Water Boards & 23 WSPs
- 26 BD Certifications
- 277 Critical State systems

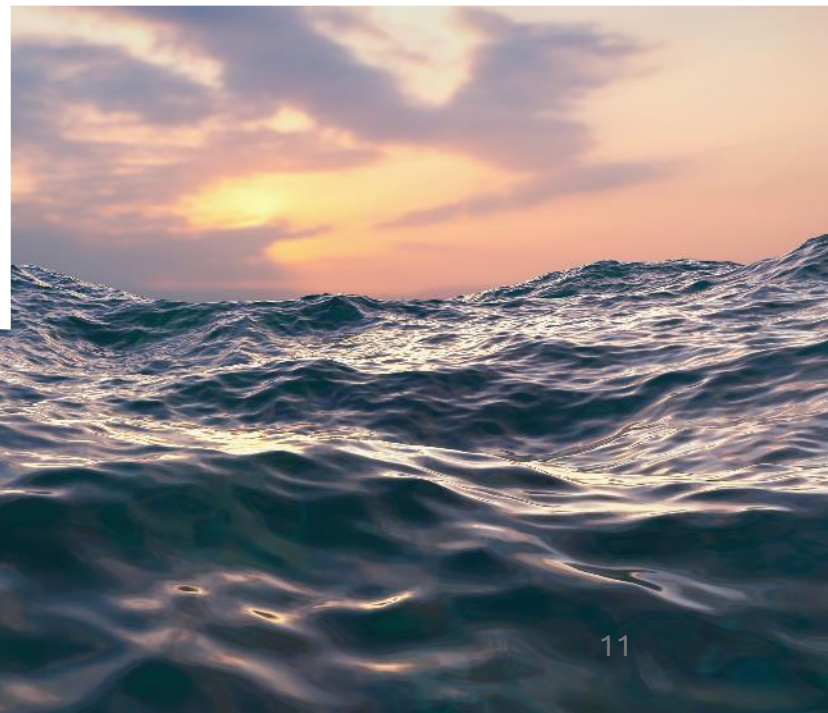


URBANISATION

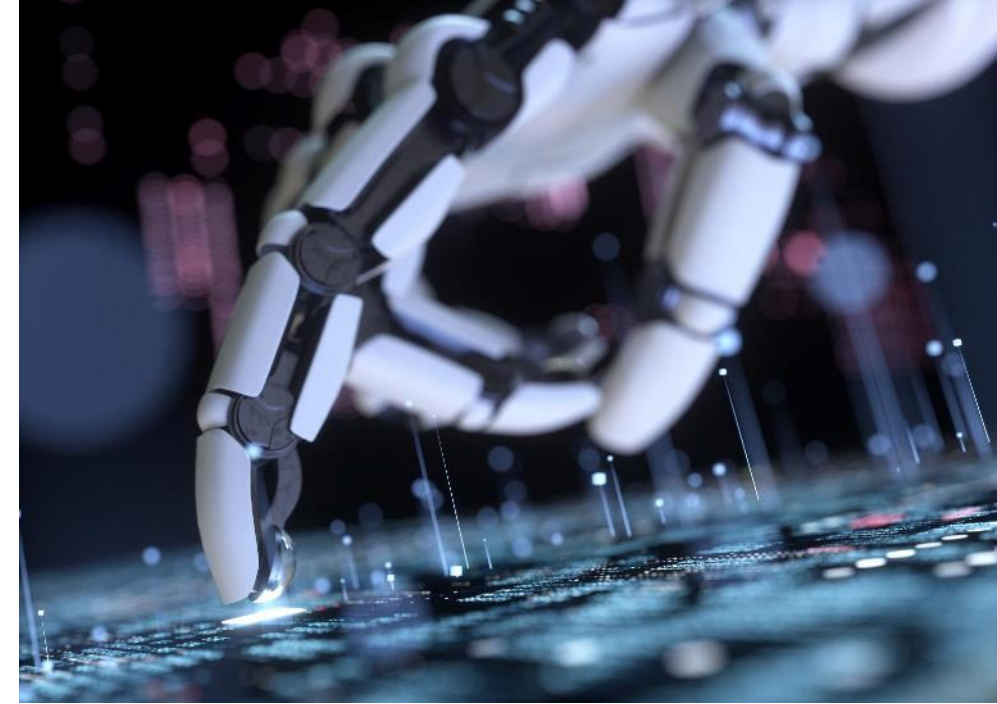




RESOURCE SCARCITY



DIGITALISATION



MEGATREND

Urbanisation

Resource
scarcity

Climate change

Digitalisation

CONSEQUENCES

Greater
Water
Demand

Greater
Resources
Demand

Data ubiquity

IMPLICATIONS

Greater valve
demand

Larger bore valves

Higher pressure
valves

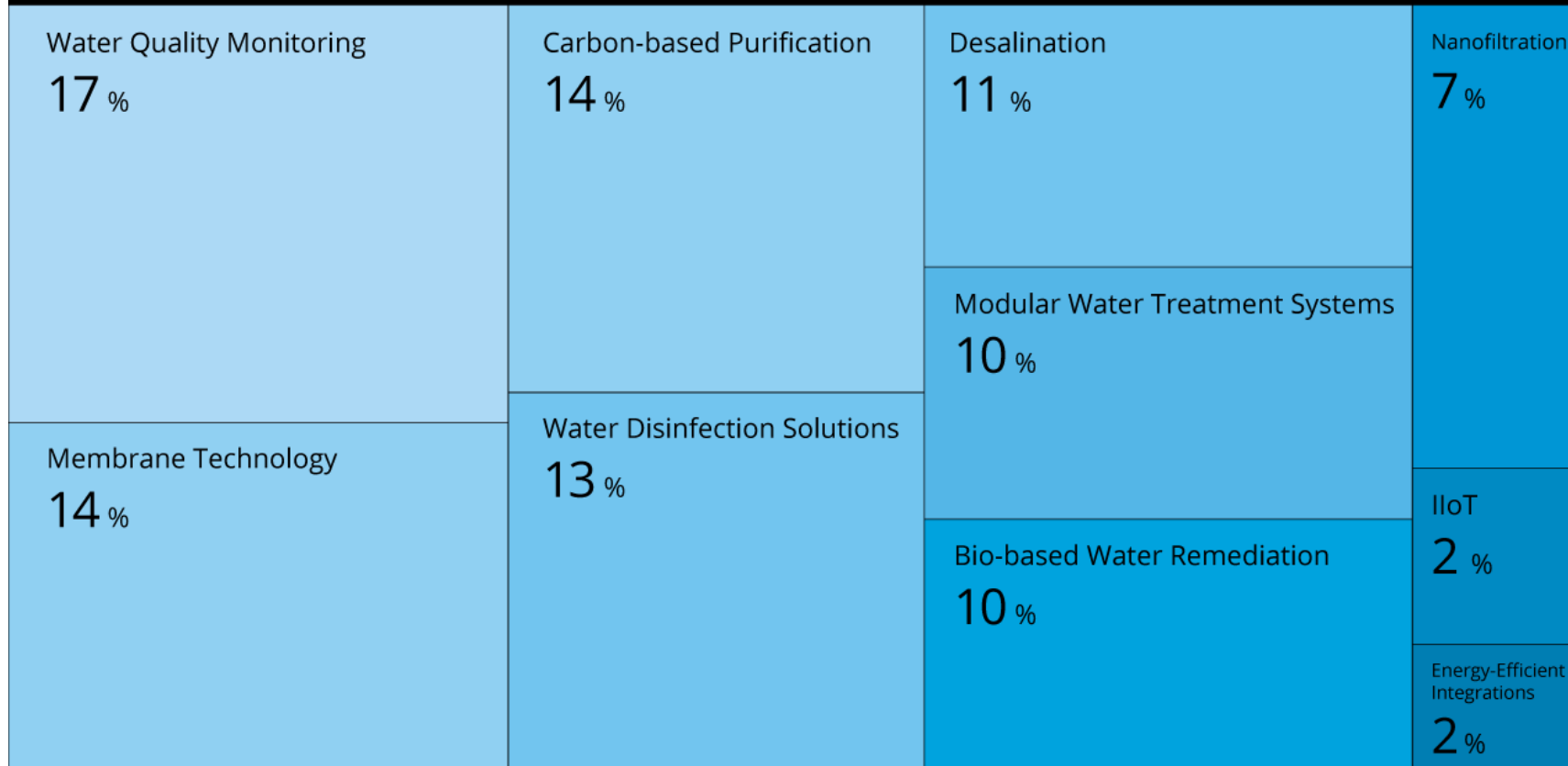
Desalination

Embedded
devices

Smart valves



Impact of Top 10 Innovative Water Treatment Trends



This tree map illustrates the top 10 innovation trends & their impact on Water Treatment Technologies

StartUs
insights

Copyright © 2023 StartUs Insights. All rights reserved
December 2023

Source: <https://www.startus-insights.com/innovators-guide/water-treatment-trends/>

THE SOUTH AFRICAN WATER INNOVATION STORY

African Centre for a Green Economy