



DAVIS & SHIRTLIFF

UV Applications in Low Resource Settings webinar

Practical Implementation of UV Technologies in East Africa

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Introduction

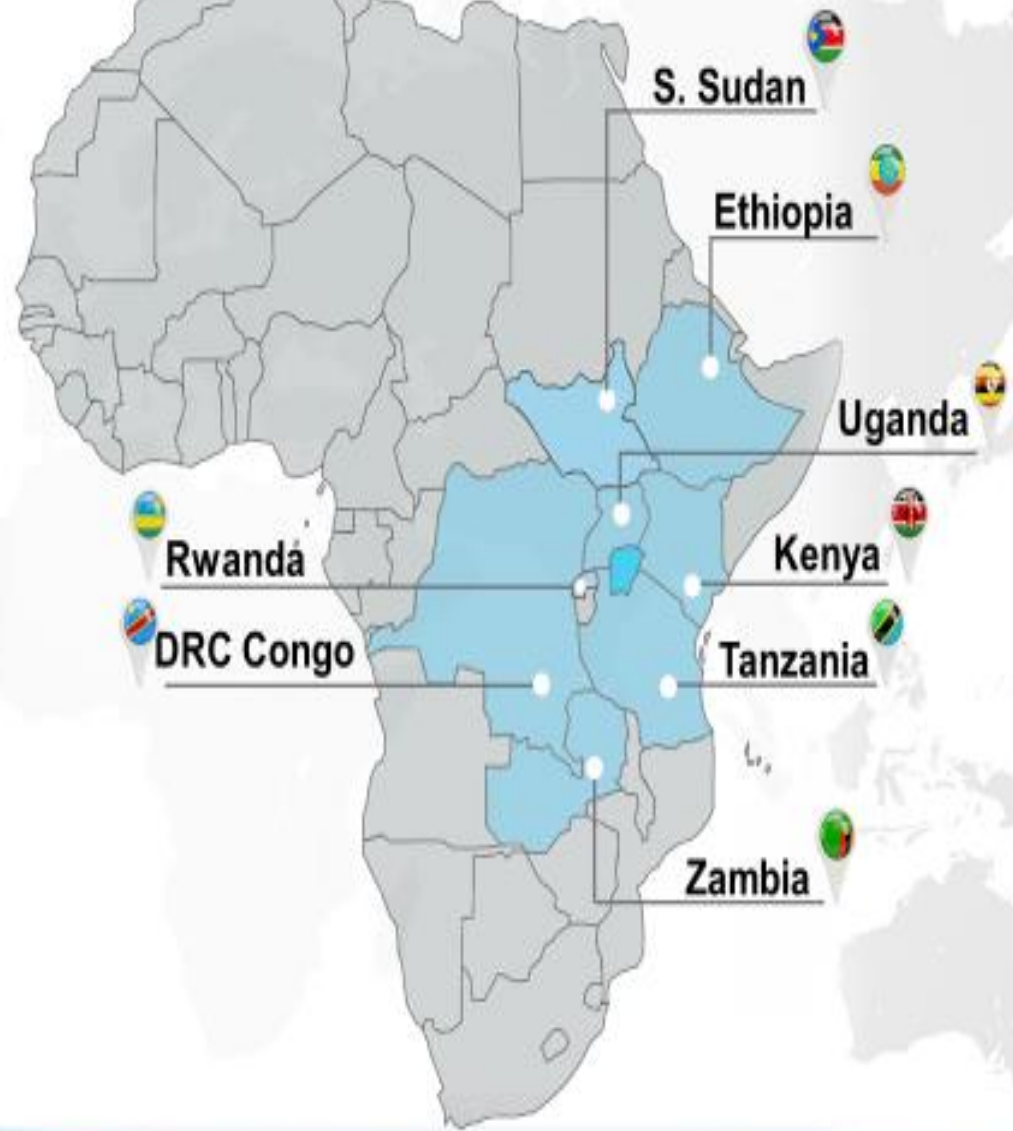
Davis and Shirtliff

- Water and Energy company established in 1946
- A leading supplier of high-quality solution with Over 900 highly trained and professional staff.
- The company is also [ISO 9001:2015](#) certified to demonstrate the quality focus.
- Headed from Kenya, the company is extremely well resourced with modern facilities

Network

8 Countries, 50 plus Branches

Embracing **modern technology** has enabled D&S to expand without loss of **control, management** and **information flow** efficiency.



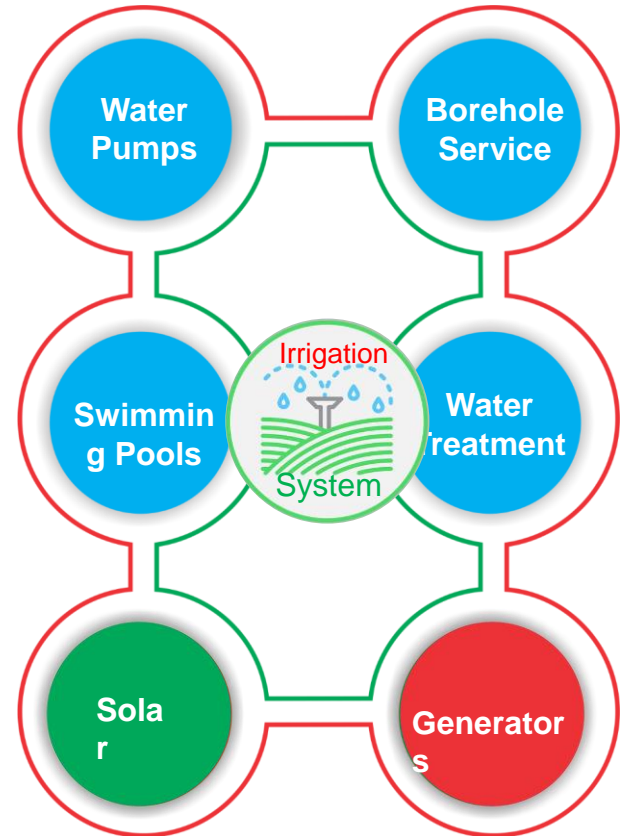
Business Segments

Davis & Shirliff Water and Energy solutions are designed with **Efficiency** and **Dependability** in mind.



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Water Treatment



Domestic Treatment Units

Removal of solids, odour & bacteria



RO & UV Units

Medium to large scale reverse osmosis & ultra violet purifiers



Water Treatment Plants

Commercial water plants suitable for small to large scale institutional applications



Waste Water Treatment Plants

Domestic to large scale purification systems available in fixed or portable installation



Filters & Softeners

Filtration & softening systems complete with special resins & media



Chemical Dosage & Feeders

Chemical Dosage pumps from world reputed suppliers



Chemicals & Media

For scaling, corrosion prevention and microbe growth and of colour, odour & heavy metals



know **HOw** through experience.

The Water you Want from the Water you Have!

D&S Range of UV products

Ultra Violet Purifier

Output 300L/hr



Dayliff UV Purifier



Advantages

- No Chemical Addition
- Negligible Operating costs
- **No Overdose**

Model	Lamp Power (watts)	Max Flow Rate (lit/hr)
UV500	16	500
UV1000	25	1000
UV2700	55	2700

Dayliff UV SITA purifier



AL Series



LCD Series



RACK Series

Model	Max Flow Rate (l/hr)	Lamp Specification (Watts)	Power Consumption (Watts)
UV 403AL	600	1x16	16
UV 405AL	1200	1x30	30
UV 440LCD	3600	1x40	40
UV 550LCD	6000	2x40	80
UV 80/2LCD	12000	2x80	160
UV 80/3RACK	20000	3x80	240



DAVIS & SHIRTLIFF

know H₂Ow through experience



Dayliff Pure water Plants



	PW500	PW1000	PW2000	
	0.5m ³ /hr	1m ³ /hr	2m ³ /hr	
1 cartridge	1	1	1	
tridge	1			
20" 1mic wound sediment cartridge		1		
20" 1mic jumbo sediment cartridge			1	
CFB-PLUS20 modified carbon block 5 Micron 20"	1			
CFB-PLUS20BB modified carbon block 5 Micron 20" big blue		1	2	
Pump	DAYLIFF DDG1000 0.8kW Pump			
Dimensions (mm)	L	1120	1120	1120
	W	480	480	480
	H	950	950	950

Case Studies

Majani Pure Water Plant

▶ **1,000Ltrs
per hour**



Mbeya Cement Pure Water Plant

2,000 ltrs per hour



Twiga Cement Pure water Plant

- 2000 Ltrs per hour
- Saving over 300 Staff



Patel Trading, 1000 ltrs per hour

- Saving over 50 staff per day



Pasiansi Wildlife College

- 2000 & 500 ltrs per hour
- Saving over 150 students



Clean water and sanitation for all

