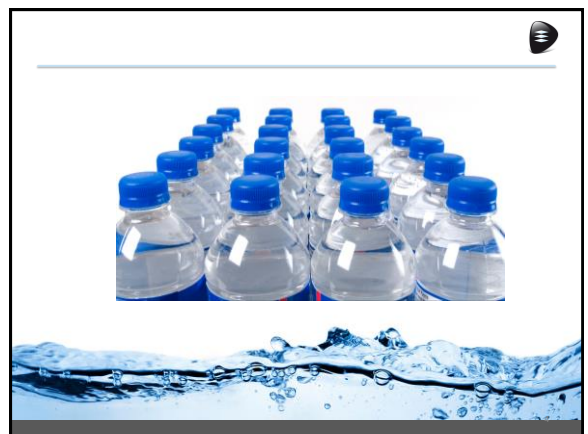


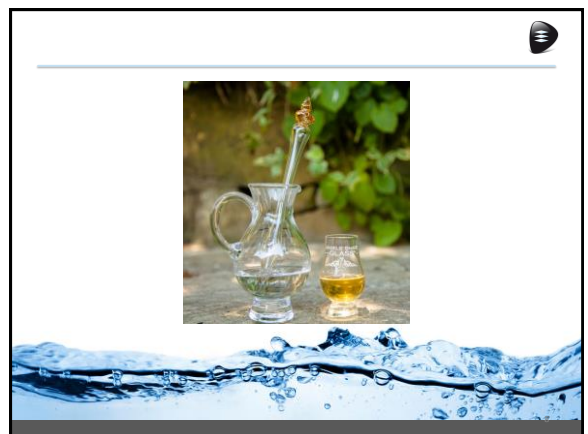
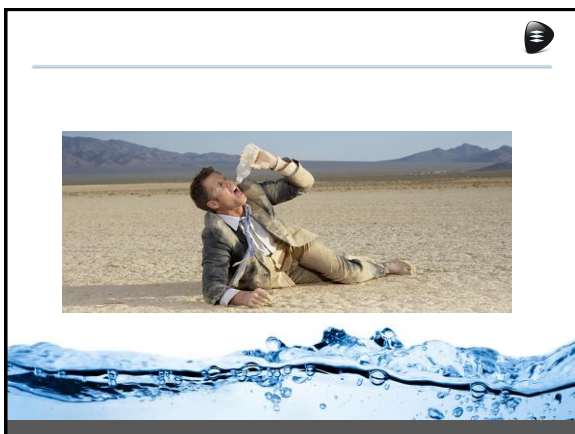


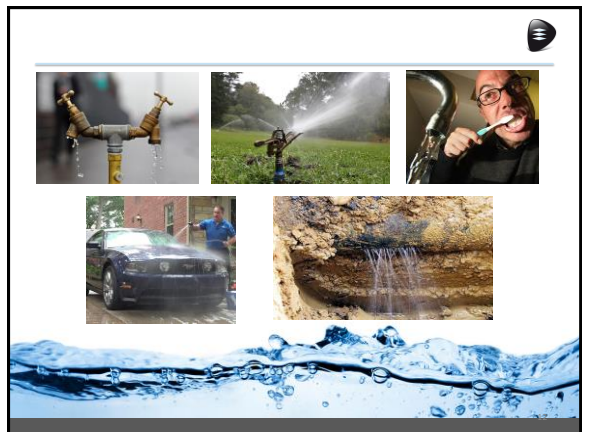
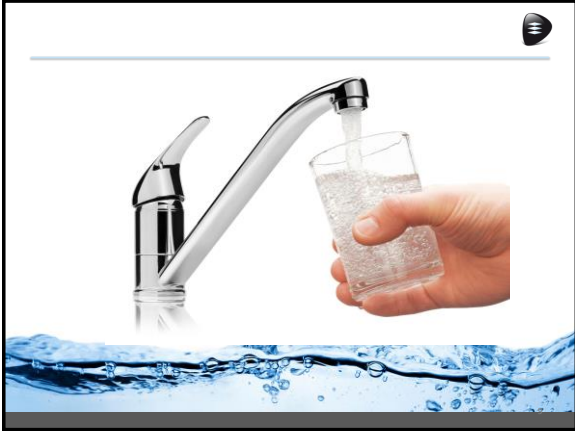
THE WATER CRISIS: WHO'S THE CULPRIT?

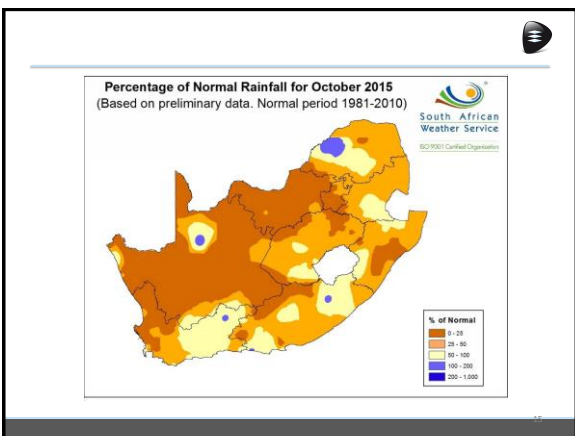
Jacques Laubscher Pr. Eng.
3 March 2016

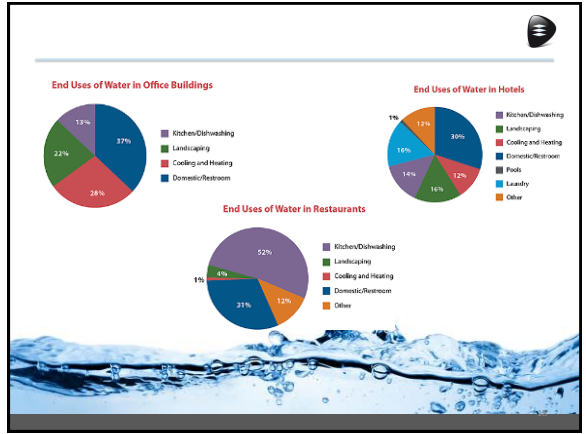
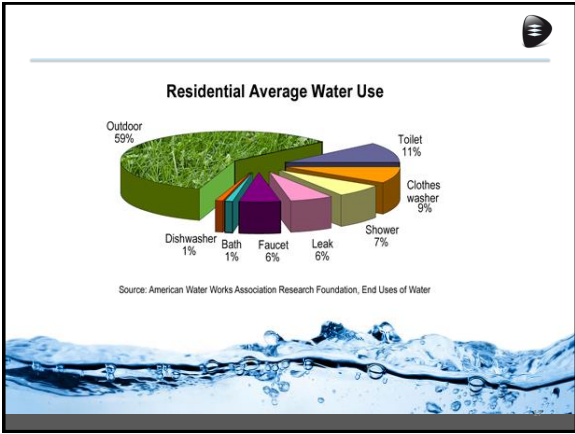


COUNTRY	COST/LITRE	COUNTRY	COST/LITRE
Algeria	R 2.99	Zambia	R 7.84
Tunisia	R 3.26	Tanzania	R 8.55
India	R 4.16	South Africa	R 8.72
Egypt	R 4.29	Namibia	R 10.11
Germany	R 4.88	Netherlands	R 10.76
Maldives	R 5.69	Ghana	R 11.57
United Arab Emirates	R 6.25	United Kingdom	R 14.33
Palestinian Territory	R 6.83	Argentina	R 14.83
Brazil	R 7.55	Zimbabwe	R 15.71
Nigeria	R 7.69	United States	R 18.71
Kenya	R 7.74	Australia	R 19.25
Zambia	R 7.84	Norway	R 25.67









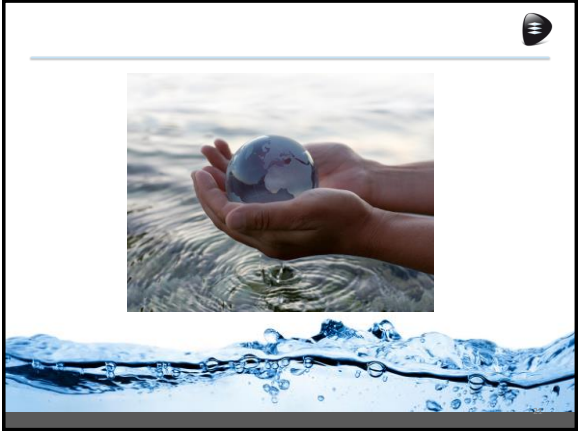
WATER CONSERVATION DEMAND MANAGEMENT (WCDM)

Non Revenue Water

Falling water systems

Inefficient water usage

- Conducting **water audits** and **water balances** to internationally recognised standards
- The **reduction of leakage** through basic and advanced pressure management
- **Rezoning and metering** for improved monitoring
- **Leak detection** and repair management
- **Real time data acquisition** and **alarm management** tailored to specific needs including flow, pressure, water quality, reservoir level, pump on/off, pump amperage and more
- **Automatic meter reading** to reduce errors and labour costs
- **Flow profile and night flow analysis** and interpretation for the identification and mitigation of avoidable excess losses and misuse
- **Billings analyses** and **revenue improvement** initiatives
- **Water infrastructure asset management** and improvement initiatives, such as planned mains replacement, valve maintenance, bulk meter and consumer meter replacement programmes
- **Social awareness** to increase value and water use awareness



THANK YOU

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