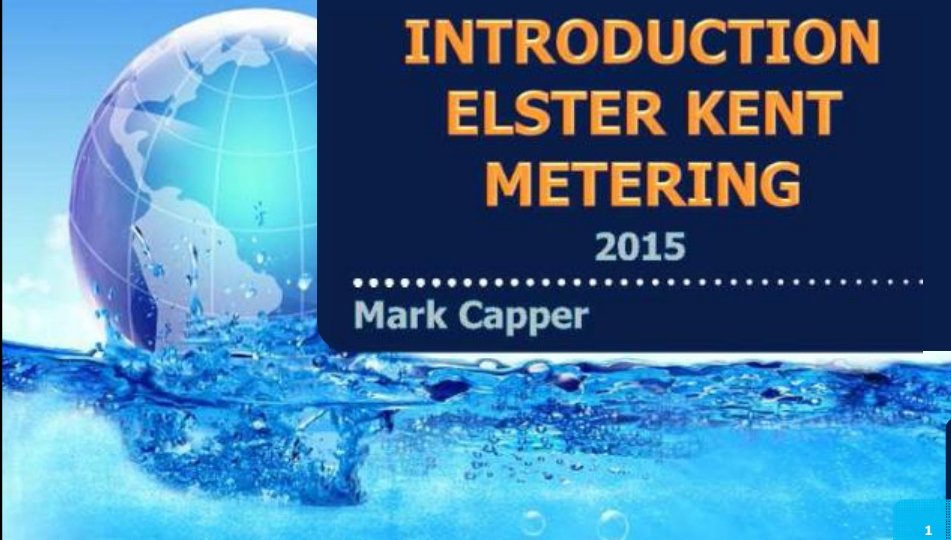



5th REGIONAL AFRICAN
WATER LEAKAGE SUMMIT



INTRODUCTION ELSTER KENT METERING

2015

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Mark Capper

1

ELSTER Group



Strong, trusted and global

GLOBAL REACH

2014 GLOBAL SALES c\$1.8bn

175+ YEARS DELIVERING TRUSTED SOLUTIONS

200 MILLION METERS DEPLOYED IN PAST 10 YEARS

\$100m ANNUAL SPEND ON RESEARCH AND DEVELOPMENT

Operations in 39 countries, customers in >130 countries

2

ELSTER South Africa 

Elster Kent Metering – South Africa

- Bring in world leading products

H5000



V200H




Electronic Meter




- Local Research and Development department – optimises products for South African and African conditions

3

ELSTER South Africa 

Elster Kent Metering – South Africa

- Polymer meters – pioneered by Elster in early 1970s and adapted and optimised for SA conditions
- Prepaid system – most robust and proven system available
- Only large scale local manufacturer of domestic water meters
- Level 3 BEE rating
- BEE partner – Lily Capital



4



HYBRID METERS

Hybrid meters are a combination of mechanical and electronic meters, utilising the best of both. With only one moving part, accuracy is improved while wear and tear is minimised

- **Absolute readings**
- **Improved measuring accuracy**
- **Fit and go installation**
- **External antenna option**
- **Integrated data logging**
- **Operational alerts**
- **Integrated tariff capability**

V200H

6

STATIC METERS



Electronic meters have no moving components and therefore are not prone to wear and tear, maintaining accuracy for the life of the meter.

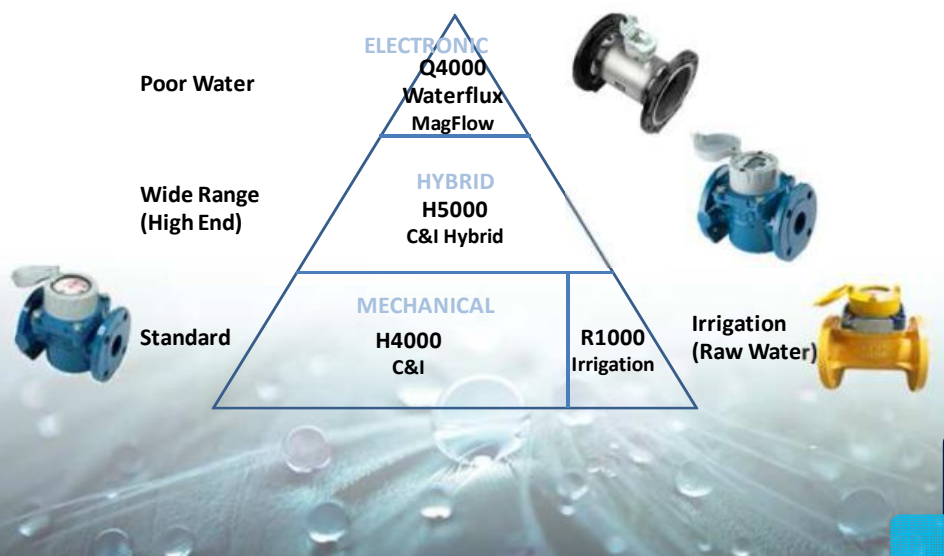
Fluidic oscillator meters use fluidic oscillation technology and Faraday's Principle, which states that the voltage induced across any conductor as it moves at right angles through a magnetic field is proportional to the velocity of that conductor.

- Suitable for both horizontal and vertical installation
- Battery powered with 15 years+ battery life
- IP68 counter with clear LCD counter display
- Maintains its accuracy for the life of the meter
- No moving parts so will not be damaged by grit and suspended solids
- Will not measure air going through the meter
- Detects if there is a leak on the consumers side of the meter
- Monitors no-flow events etc. and
- Meter diagnostic options
- Pulse output option available for upgrade to automatic meter reading, data logging etc



Q200

C&I PRODUCT STRATEGY



C&I (BULK) HYBRID METERS

A **hybrid meter** consist of one mechanical moving part as the flow / volume sensor, combined with electronic signal transmission and counters.

Hybrid meters provide the widest measuring range of a single element meter.

Bulk hybrid meters could make combination meters obsolete:

- Wide measuring range
- Lower price
- No change over valve
- Single electronic register to read
- Electronic register pre-equipped for AMR/AMI
- Easy retrofit of mechanism into H4000 body

Range: 40-150mm



H5000 Hybrid

The World's most accurate commercial turbine meter

9

C&I (BULK) METERS



A **magnetic flow meter (magflow meter)** is an electronic meter which does not have any moving parts and is ideal for wastewater applications or any dirty liquid which is conductive or water based.

Magnetic flow meters are also ideal for applications where low pressure drop and low maintenance are required.

- High accuracy, less water escaping measurement
- Ability to handle large fluctuation in flow rate
- Lower maintenance
- On-line management information
- Lower system pressure

Range: Q4000 - 50-300mm (battery powered)
WaterFlux – 25–600mm (battery)
WaterFlux – 25–3000mm (mains)



Q4000



WaterFlux

10



elster
Vital Connections

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Thank you

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12