



# INTRODUCTION TO



# DAVANNS LLC



# About Davanns Limited:

## Who We Are

“We are a Holistic Water Solutions Provider specializing in Treatment, Wastewater Management and Smart Distribution”

We partner with our clients to build and improve their water systems through automation that keep them ahead of competition.

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Davanns LTD was founded in 2005 and is a registered Limited Company in Kenya. We pride ourselves in provision of best fit solutions for our clients, tailored to meet their specific requirements. We ensure customers' satisfaction first by identifying, tailoring, and providing solutions to their needs.

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We have a dynamic and professional service delivery team with diverse backgrounds in **Chemical and Bio Technologies, IT and Business**. They leverage each member's skills to deliver well researched Water Solutions efficiently and on time, hence giving excellent return on investment to our clients. To us, every client is an opportunity for partnership, and we work together to achieve a common goal.

# Company Introduction:

## Our Values

### Professionalism

We use skilled, competent and knowledgeable personnel who observe all protocols during all phases of project implementation



### Promise to customers

We provide to our customers products and services with reassurance that they get value and to desired expectations



### Integrity

We are clear in our commitment to good practices, consistent and uncompromising adherence to ethical conduct by establishing excellent rapport with our clients, and re-enforcing their assured reliance on the ability, honesty and truth of our business



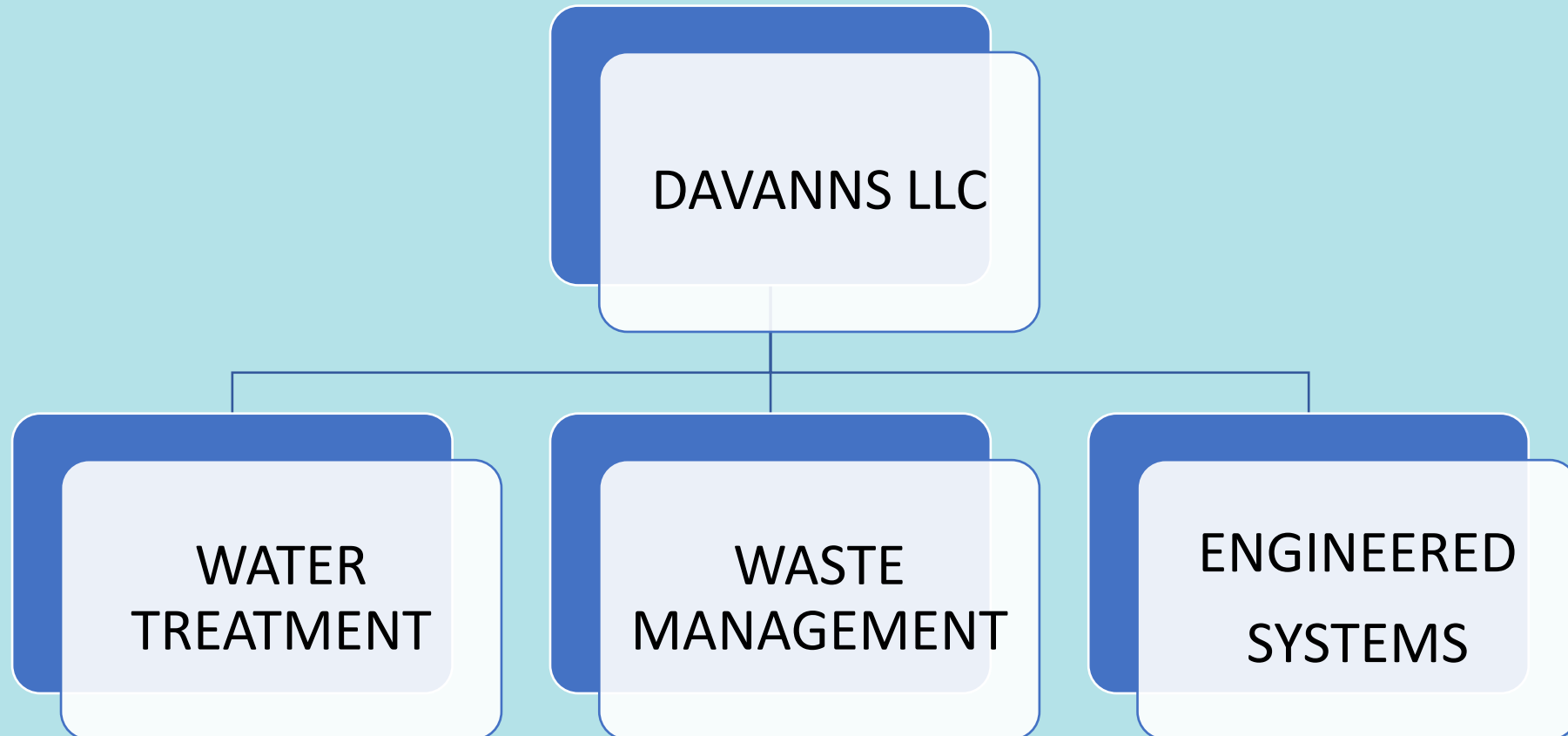
### Responsibility

We believe in connecting to the heart of our clients by acting reliably, creatively with confidence while being ready and cognizant to take on challenges. We listen to them respectfully and while acting authentically during the process of our engagement.



# Company Introduction:

## What Do We Do

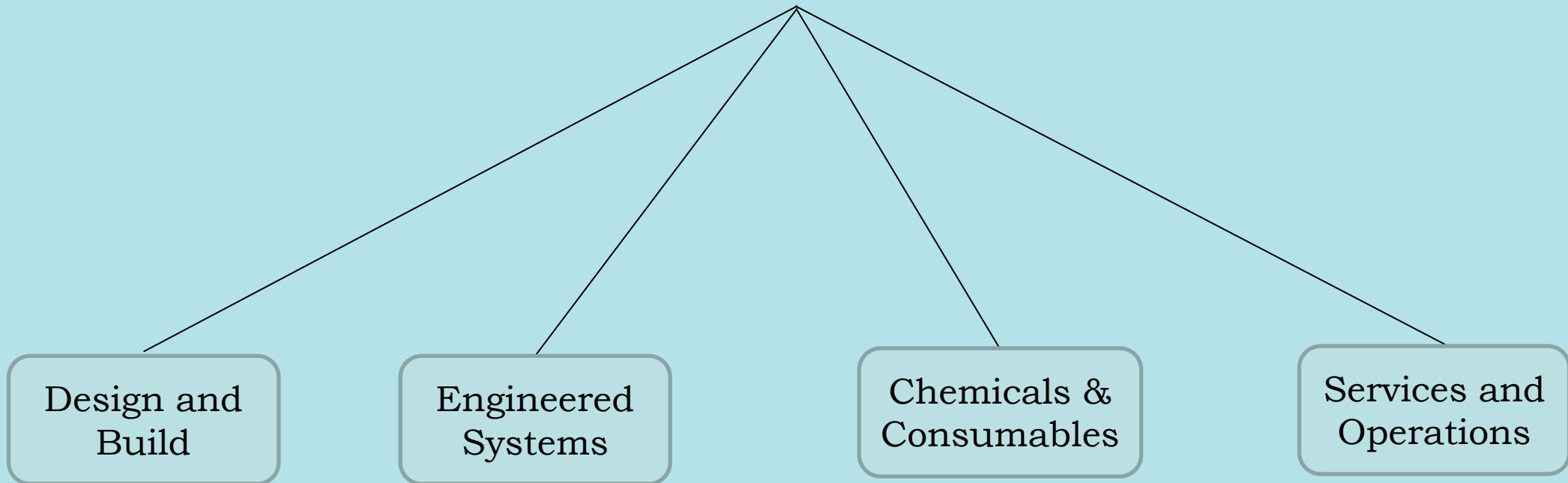




# Company Introduction:

## Our Sectors

### DAVANNS LLC



# IOT Capabilities & Processes



# Clients Requirements

## How We Address your Needs

Review & Analysis

### County Water & Sewerage Companies

- Non-Revenue Water
- Inaccurate Billing

### Private Water Entities

- Get Real Time data
- Add Profit margins

# Case Use:

## Smart Flow Meters:

- Boreholes water metering
- Distribution Browsers

## Smart Water Meters:

- Water & sewerage companies piped water distribution
- Private boreholes piped water distribution in the Estates/Flats

# What Are The Key Issues

Most establishments face the following challenges:

- Due to leakages or by-passes
- Lack of real time water data access
- Lack of on-the-go historical data
- Lack of end user total control and insights
- Estimated billing – made inaccurate
- Lack of data-driven forecasting of water usage
  - Affects strategy, and decision-making



## Product features

1. LoRaWAN communication
2. Remote reading
3. Remote valve control
4. Monitoring alarm
5. IP68 waterproof

The dial is clear and readable  
Accurate measurement and long service time

# LoRa Flow Meter

## LoRa –IOT

- Data collection, analysis, optimization
- Customer touchpoints, structures and channels
- Data flow, storage and security

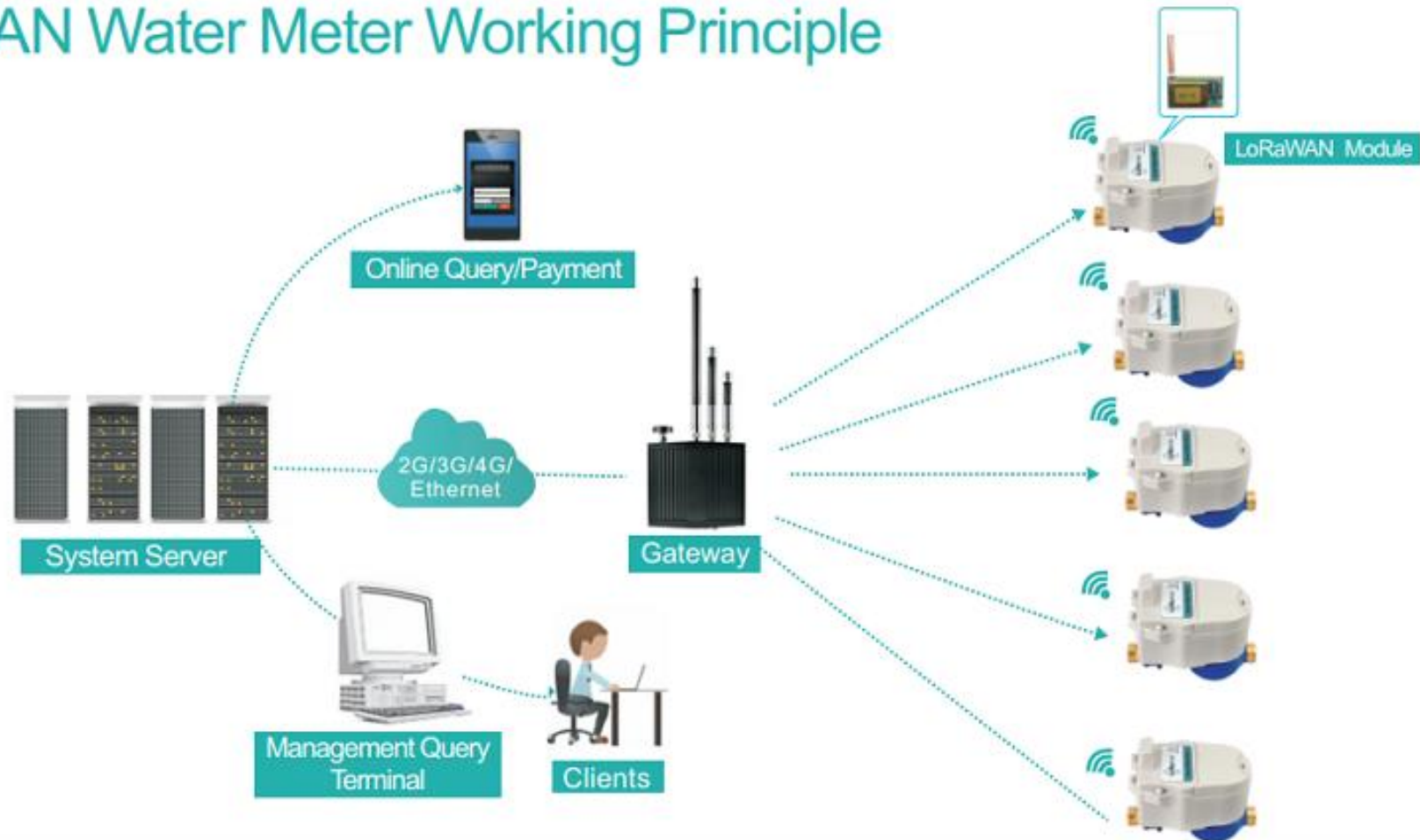


# LoRa – IOT Process

LoRaWAN Communication	Real time data access
Remote Valve Control	Remotely control who and when
Remote Reading	Reduce on human interaction & billing errors
Flow rate optimization	Water from the Borehole vs quantity distributed
Consumer touchpoint	Billing & decisions making

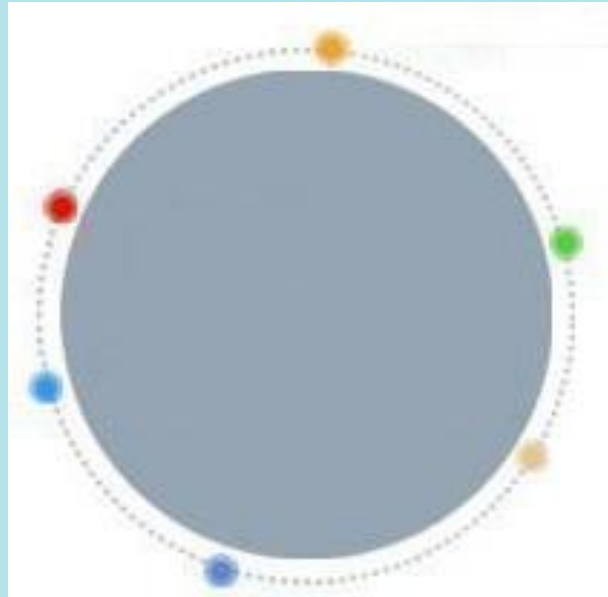
# IOT Water Distribution

## LoRaWAN Water Meter Working Principle



# IOT – Application Benefits

## Geo Fencing - (JIT Service)



NRW -Leak & Bypass Detection

Savings – Water & Energy

Accurate Billing

Real time Data Access

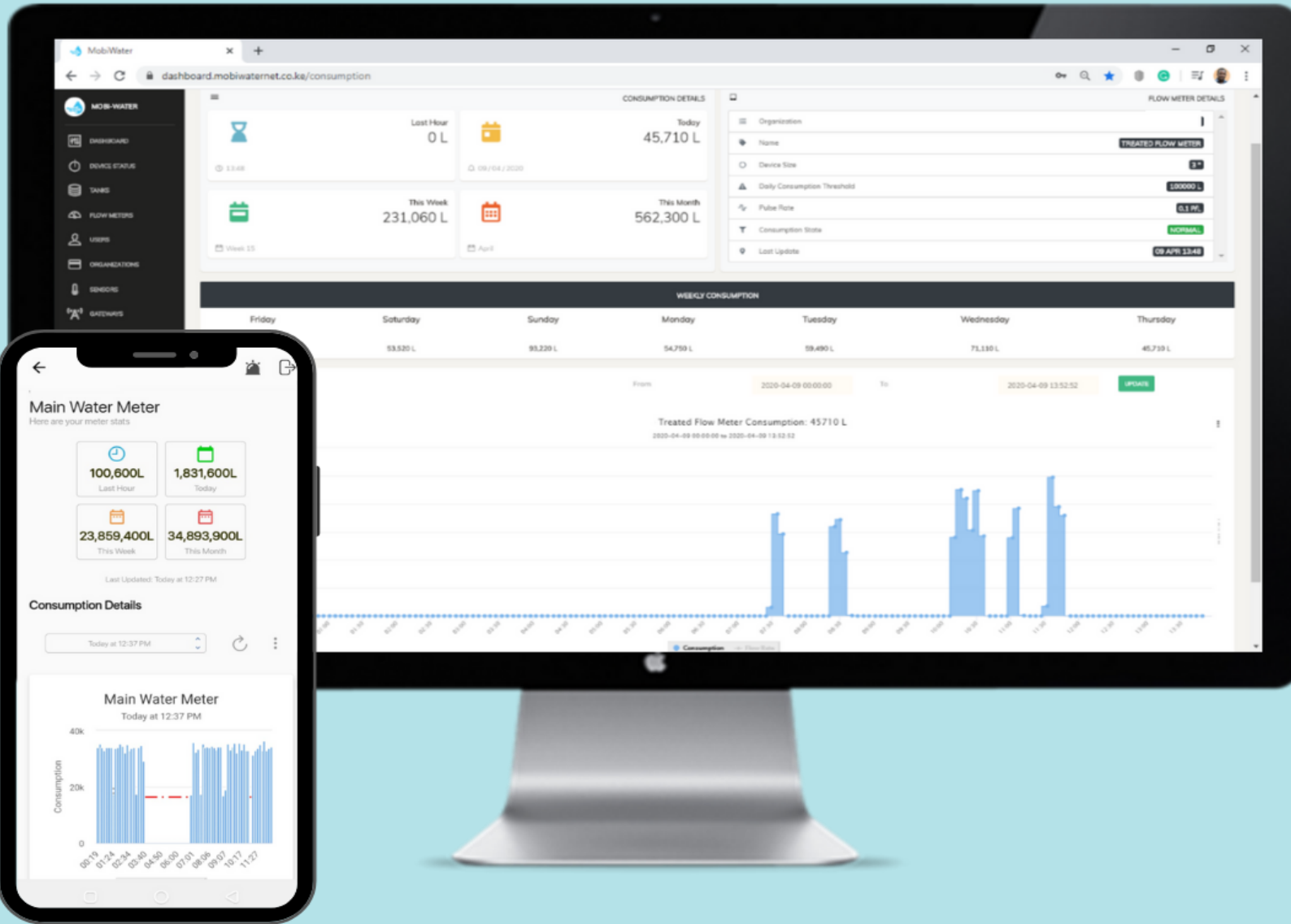
Reduced Wastage – Efficiency & Profits

# Our Commitment

**To offer a single**

**Supplier & Partnership package that meets your requirements**

# IOT Portal



“IoT and real-time data mean operators can be anywhere in the world and remain as effective as they would in front of the machine”