HOPE.TEE ENERGY

THE WORLD ALIGHT

COMPANY PROFILE

Smart Metering, Infrastructure & Utility Systems

ABOUT US

WHO WE ARE

A SMART UTILITY INFRASTRUCTURE PARTNER FOR MODERN ENERGY NETWORKS

Hope Tee Energy is a South African utility infrastructure and technology company focused on smart metering, Advanced Metering Infrastructure (AMI), communication systems and utility data solutions.

We support municipalities, utilities, commercial properties, industrial facilities and property developers with technology-driven solutions that improve operational visibility, revenue performance and long-term infrastructure readiness.

Our approach combines smart metering with embedded technologies, communication infrastructure, utility operations platforms and systems integration to help customers build scalable and future-ready utility environments.

WHAT WE DO

Utility Technology Capabilities
Hope Tee Energy delivers integrated utility technology solutions that connect field devices, communications infrastructure, data platforms and operational intelligence to improve visibility, control and revenue performance.

HOW WE WORK:

01.

(Assess)
Evaluate infrastructure, assets, communication requirements and operating needs.

02.

(Design)
Define AMI architecture, platform integrations, data flows and deployment model.

03.

(Deploy)
Deliver metering infrastructure, field devices, communications and supporting systems.

04.

(Integration)
Connect HES, MDMS and related utility platforms into a secure data ecosystem.

05.

(Support)
Assist with commissioning, monitoring, service quality and operational visibility.

PRODUCTS

UTILITY METERING PRODUCTS BUILT FOR OPERATIONAL ACCURACY, DEPENDABLE FIELD DEPLOYMENT AND CONNECTED AMI ENVIRONMENTS

INDUSTRIAL-GRADE METERING TECHNOLOGY FOR UTILITY OPERATIONS

SMART METERS

Single-phase and three-phase prepaid and conventional electricity meters for residential, commercial and utility deployments.

- **Single Phase Meters**
- **Three Phase Meters**
- **Prepaid Meters**
- **Conventional Meters**

METERING INFRASTRUCTURE

Field devices and supporting infrastructure for smart metering deployments, customer interaction and network extension.

- **Data Concentrator Unit (DCU)**
- **Customer Interface Unit (CIU)**
- **Handheld Units (HHU)**
- **Range Extenders**

COMMUNICATION DEVICES

LTE, GSM, RF, PLC and industrial communication devices that enable remote meter data collection and connected utility infrastructure.

- **LTE / GSM Modems**
- **DIN Rail LTE Modems**
- **Elster Meter Modems**
- **RF / PLC Communication Devices**

LARGE POWER USER SOLUTIONS

High-capacity metering and revenue protection solutions for commercial, industrial and large power user environments.

- **LPU Metering Cabinets**
- **High Current Metering**
- **Commercial Metering**
- **Industrial Metering**

BUSINESS-CRITICAL UTILITY SYSTEM SOLUTIONS

Our Integrated platforms are built to improve control, operational efficiency, and utility revenue performance. From smart meters to fully-hosted utility systems, we help public and private utilities to deploy infrastructure that improves visibility, control, and revenue performance.

SOLUTION OVERVIEW

Two Major Utility Solution Offerings

Hope Tee Energy delivers **AMI Solution** architecture and **SMOC Solution** operations capability as distinct, complementary offerings for modern utility environments.

1. AMI SOLUTION

Advanced Metering Infrastructure that connects field meters, communications, data platforms and enterprise utility systems.

- **Head End System (HES)**
- **Meter Data Management System (MDMS)**
- **LPU Metering Solution**

2. SMOC SOLUTION

A complementary operational solution for monitoring, visibility, asset management, performance management and utility control.

- **Smart Meter Operations Centre**

CONNECTED UTILITY INFRASTRUCTURE FROM FIELD TO ENTERPRISE

A complete AMI ecosystem connects metering endpoints, communication networks, platform services, enterprise systems and operational control into one interoperable utility environment.

Field Devices → Communication Networks → AMI Platform → Enterprise Systems → Operational Control

AMI Component

HES & MDMS Platform

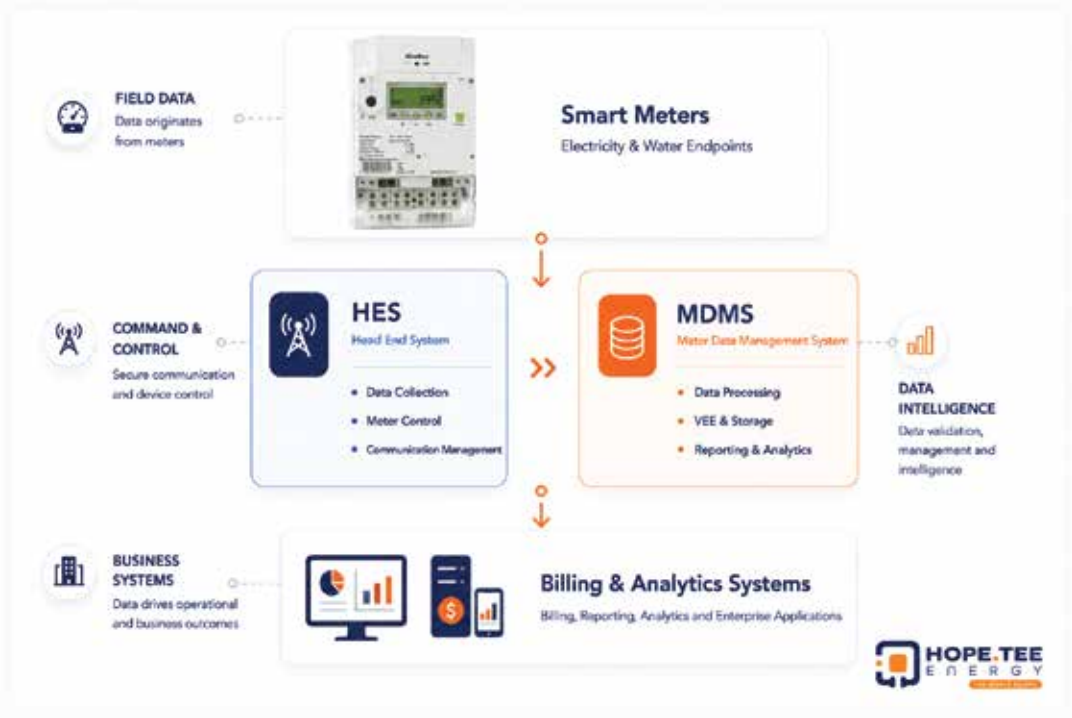
Communication & Command Layer
Head End System (HES)

The Head End System (HES) serves as the communication bridge between smart utility meters and enterprise platforms. Built on open standards such as DLMS/-COSEM and iDiS, it enables secure device communication, remote meter management and reliable data collection across multi-vendor environments.

Data Intelligence Layer

Meter Data Management System (MDMS)

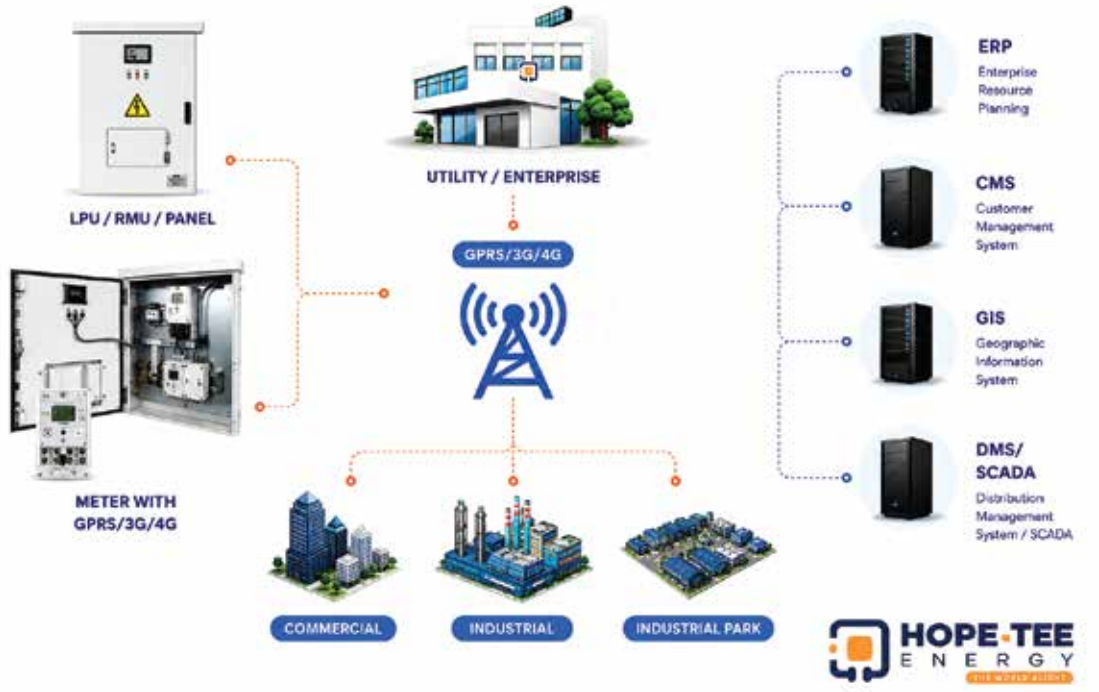
The Meter Data Management System (MDMS) validates, processes and manages utility consumption data. It transforms raw meter readings into trusted operational and billing information, supporting analytics, reporting and enterprise system integration.



LPU METERING SOLUTION

FIELD CONNECTIVITY LAYER

The LPU Metering Solution supports large power users and industrial environments by connecting field metering devices to central utility platforms. It enables secure data collection, remote monitoring and integration with HES, MDMS, SMOC and enterprise systems.



WHY HOPE TEE AMI?

Hope Tee Energy's Advanced Metering Infrastructure (AMI) Platform is built to help utilities modernize operations through a secure, scalable, and future-ready solution. Designed on open standards, it seamlessly integrates with multi-vendor systems, supports utility-scale deployments, and protects revenue through advanced monitoring and management capabilities. With flexible deployment options, evolving communication technologies, and proven readiness for municipal and industrial environments, the platform delivers long-term sustainability while enabling efficient, reliable, and intelligent utility management.

SMART METER OPERATIONS CENTRE (SMOC)

A premium operations platform for monitoring AMI estates, managing alarms and giving utility teams the visibility needed to protect service quality at scale.

- **Operational Visibility**
- **Alarm Management**
- **Service Quality Monitoring**
- **Performance Analytic**

CONTROL-CENTRE CAPABILITY FOR MODERN UTILITY OPERATIONS

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