

END-TO-END SOLUTION

AMI

Advanced Metering Infrastructure

MDMS · Communication infrastructure · Meter device

Advanced Metering Infrastructure (AMI) is an end-to-end solution for utilities to control energy — including metering, data collection, validation and analysis. The solution comprises MDMS, communication infrastructure and the meter device.

MDMS	Comms	Meters	Bi-directional
Data management	RF / PLC / GPRS	DDZ1513 / DTZ1513	Collection infra

CAPABILITIES

- 01 Meter Data Management**

MDMS for collection, validation and analysis of meter data.
- 02 Communication infrastructure**

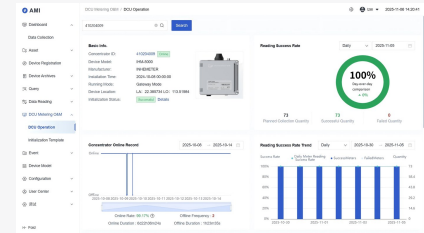
RF, PLC or GPRS networks sized to the utility's geography.
- 03 Meter device**

Modular AMI meters with hot-swappable communication boards.
- 04 Bi-directional AMI**

Build metering and data-collection infrastructure to customer need.
- 05 Scalable & flexible**

Grow from pilot to full rollout without changing the architecture.
- 06 Project journey**

DPMSB supports utilities through AMI programme delivery.



AMI solution stack

MDMS · comms · meter

SOLUTION

Utility AMI, built to customer need

DPMSB is part of the team that takes AMI from meters in the field to validated data in the MDMS. Communication media and meter modules are selected per site.

Delta Prima Metering
Shah Alam, Malaysia

ISO 9001:2015
SAMM 790 / ISO/IEC 17025

MDMS · RF / PLC / GPRS · Validation · Analysis

TECHNICAL SPECIFICATIONS

Three building blocks

Architecture as published in the Delta Prima Metering Company Profile 2024.

■ Solution scope

Definition	End-to-end utility energy control
Includes	Metering, collection, validation, analysis
Block 1	Meter Data Management Software
Block 2	Communication infrastructure
Block 3	Meter device
Scale	Fully scalable and flexible
Metering	Bi-directional
Design rule	Built to customer need
Partner role	AMI project journey support
Quality	ISO 9001:2015

■ Meter devices

Single phase	DDZ1513 AMI
Three phase	DTZ1513 AMI
Current	10(100) A direct
Accuracy	Active CL1.0 / Reactive CL2.0
Modules	RF / PLC / GPRS / 3G / 4G / NB-IoT
Payment	STS or post-payment
Protocol	DLMS/COSEM IEC 62056
IP	IP54
Temperature	-25 °C to +80 °C
Lab	SAMM 790 calibration

■ Communication

RF	Neighbourhood / HHU
PLC	Power-line carrier
GPRS	Cellular backhaul
Also	3G / 4G / NB-IoT modules
Direction	Bi-directional collection
Flexibility	Media chosen per site
Field tool	RF communication to HHU
Head-end	MDMS integration
Security	Utility AMI practices

■ MDMS outcomes

Collection	Scheduled and on-demand
Validation	Data validation in MDMS
Analysis	Utility energy analysis
Operations	Remote management & reading
Revenue	STS + anti-tamper events
TOU	Multi-tariff ready meters
Growth	Pilot to full AMI
Document	Company Profile 2024
Contact	info@deltaprima.com.my

Request technical documentation

Type-test evidence, AMI integration notes and project quotations:
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