



Altitude™ by EEPL

Base Computer System for EEPL Smart Meter Family



Overview

Altitude™ is EEPL's proprietary Base Computer System (BCS) designed to interface directly with its EEPL smart meter range—covering **Single Phase**, **Three Phase**, and **High Accuracy CT Meters**. It enables secure, offline access to meter data, configuration, diagnostics, and firmware management, making it an essential tool for lab engineers, field technicians, and onboarding teams.



Supported Meter Types

-  **Single Phase Smart Meters**
-  **Three Phase Smart Meters**
-  **High Accuracy CT Meters** (Class 0.2s / 0.5s)

Altitude™ ensures consistent workflows and data formats across all meter classes, simplifying operations and integration.



Core Functionalities

♦ Meter Data Extraction

-  Download full MRU (Meter Read Unit) datasets:
 - o Billing data
 - o Load profiles
 - o Tamper logs
 - o Event history
 - o Communication status

♦ Configuration & Commissioning

-  Set or modify:
 - o Billing cycle parameters
 - o Time sync and calendar settings
 - o Communication modes (GPRS, RF, NB-IoT)
 - o Thresholds for voltage/current/tamper alerts

♦ Firmware & Diagnostics

-  Push firmware upgrades (where supported)
-  Run health checks and retrieve diagnostic flags
-  View last sync status, signal strength, and error codes

Data Handling & Integration

-  Export MRU data in XML/CSV formats
-  Compatible with MDM platforms like **AstrenEpp™** or **MidasSynapse™**
-  Sync via **ApexField™** for technician workflows
-  Supports audit-ready logs for regulatory and SLA compliance

Field-Ready Features

-  **Auto Time Stamping:** Every read, config, and sync action is logged with UTC time
-  **Geo-Tagging:** GPS coordinates captured for traceability and mapping
-  **Photo Capture:** Annotate meter panels, tamper evidence, or site conditions
-  **Work Order Sync:** MRU data tagged and uploaded against technician job IDs

Security & Access

-  Role-based login for authorized users
-  Encrypted local storage and secure data export
-  Full audit trail for every interaction
-  Multi-user access with technician and supervisor modes

Ecosystem Compatibility

-  Designed for EEPL's EEPL meter family
-  Integrates seamlessly with GridBrain.AI stack:
 - **MidasEpp™** for HES onboarding
 - **AstrenEpp™** / **MidasSynapse™** for analytics and VEE
 - **ApexField™** for mobile sync and technician enablement

Deployment & Usage

-  Windows-based desktop application
-  Used by lab engineers, field technicians, and AMISP onboarding teams
-  Ideal for pre-commissioning, diagnostics, and offline recovery scenarios

“Altitude™ is your direct interface to EEPL meters—secure, intelligent, and field-proven across every phase.”