

MTI's Smart Eye MDC



Due to the unprecedented benefits of Advanced Metering Infrastructure (AMI), it has become the need of the hour for utilities across the globe. AMI is just not a single technology but a unification of multiple components and one of its essential elements is Meter Data Collector (MDC).

MDC is considered a catalyst in advanced metering networks that enables bi-directional communication between energy meters and end users, and obtains and stores the stream of useful data from smart energy meters into a data base.

other application or system that operates on the same specifications. Thus it fosters interoperability and enables multi-vendor compliance, making this tool compatible with a wide range of Advanced Metering Infrastructure across the globe.

It is engineered to be a future-proof tool, offering scalability, flexibility in integrating multiple communication technologies, resilience to site failure, high availability and redundancy. It can easily be scaled up by improving the base system with more capable and powerful hardware. At the same

As transmission of critical information is involved in the meter data collection process, insusceptible security measures are taken into account at all levels such as application, platform, data collection and network levels etc; thus ensuring any kind of interception or data breach does not take place.

MTI's Smart Eye MDC can be tailored according to the needs of any utility company around the world, making it compatible with their existing system and guaranteeing improved business processes. This integration with the utility billing system helps them automate and streamline the billing practices by minimizing human intervention, which reduces errors and operational expenditure.

Being a smart metering pioneer in Pakistan and successfully executing numerous AMI projects, including one of the largest AMI projects in South East Asia, our projects are impacting the lives of hundreds of thousands of people connected to the national grid network. Moreover, our Smart Eye MDC is functional in all the distribution companies of Pakistan and has been successfully integrated with the billing system of two major utilities. This ensures that our technology is field proven, making it both technically and commercially a viable product. **MI**

MTI's Smart Eye MDC is not just a usual MDC, but marks an exception by incorporating various features of MDM

MicroTech's Smart Eye MDC is a specialized product which marks an exception by incorporating various features of MDM, giving it a competitive advantage over others. This state of the art tool not only renders complete meter data collection process but also offers functions such as load control & data management. Also, it facilitates in bill generation and provides various specialized reports for analysis. Furthermore, it empowers the end users to perform essential commercial procedures: i.e. maintaining customer attributes, Service Connection Order (SCO), Meters Change Order (MCO) and Disconnection (DCO) & Reconnection Orders (RCO) etc.

time, it can be scaled out by the integration and expansion of the base system by adding multiple parallel systems for increasing its capacity and capability. Moreover, it delivers a comprehensive, integrated portfolio of business continuity and disaster recovery features that provide high availability and data protection, which are ideal for this kind of critical application. It supports live migrations and upgrades, essentially eliminating planned downtime and data loss. In case of any catastrophe, it facilitates automatic failover to the DR site and vice versa and that too without any manual changeover, thus ensuring high availability and redundancy.

These enhanced features of Smart Eye MDC best serves the utilities that are looking for phase wise investment in their AMI evolution. It helps them to minimize capital expenditure and provides ease in integrating new technologies into their existing business operations without making substantial investment in MDM in the initial phase of AMI deployment.

Our MDC is designed and developed keeping in view the latest industry standards and protocols. It collects metering data from the DLMS/COSEM compliant smart energy meters and stores it in a database. The international standards and protocols fully enable this tool to be integrated with any

