



Cluster Metering Solution in Nicaragua



Country: **Nicaragua**

Segment: **Commercial and Industrial, Residential**

Started: **2014**

Project Background

A decade ago, Nicaragua faced challenges ranging from non-technical energy losses, meter manipulation problems to high delinquency rates. These problems resulted in the country having a low percentage of the population with access to electricity and were strong obstacles to the growth of the local economy and it was also the impulse of public utilities to upgrade and provide new energy facilities for the country. DISNORTE-DISSUR, a local utility company, together with the Nicaraguan government, began a program to find solutions to these problems.

Solution and Benefit

The program began in 2015 and aimed to deliver 30,000 metering points per year. EDM I received a contract to provide a cluster metering solution. The metering solution consists of a meter box (with meters and gateway installed inside), an interface unit for the customer and a portable unit in case of WAN communication failure. The meter box is installed on top of utility poles, with the aim of reducing tampering. In order to support DISNORTE-DISSUR to the greatest extent possible, EDM I is currently carrying out a pilot execution of its head end system (HES), MultiDrive with the iPay online prepayment system for cluster metering. If this pilot run is successful, EDM I's MultiDrive software with iPay can be used massively.

AMI AMI fully supported



Improved energy efficiency



Reduced percentage in non-technical losses, meter tampering and bad debts

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Products and Services Provided

Smart Meter	Mk10D, Mk10E, Mk31E, Mk32P
Network Equipment	GPRS (GW30 and GW32)
Head End System	*MultiDrive with iPay
Accessories	HT18

*ongoing pilot run

Testimonial

EDMI's high quality products and services, in conjunction with the electrical construction structures developed in DISNORTE-DISSUR, provided an excellent solution to reduce non-technical losses in Nicaragua in a sustainable manner over time, which in turn allowed DISNORTE-DISSUR to improve our asset management. With the test execution of the EDMi's head end system for the online prepaid system, we hope to take another step in the implementation of technological solutions that solve the problems of the distributors in the current times, directly providing more benefits for our customers.

 DISNORTE-DISSUR