



## Case Study

Application Development:  
**Payment Processor  
Interface**

## **Micra Consulting** Creates **Utility Socket** to Facilitate **Third-party Utility Payments for World's Largest Public Corporation**

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### Introduction

This American corporation runs a global chain of large discount grocery and department stores and employs over 2 million people worldwide. The company is considered to be the world's largest public corporation by revenue, according to the 2008 Fortune Global 500 publication.

In 2005, they acquired a large Central American chain of department stores, and in 2008, they made the strategic decision to upgrade the point of sale (POS) system in these stores. The new POS required third-party utility payments through a utility socket interface. The company approached Micra to develop the utility socket with the required functionality using the .NET platform. After four months, the application was successfully developed and deployed on schedule across their Central American stores.

### Business Challenge

- Create a utility socket interface to facilitate third-party utility payments within the upgraded POS system

### Solution

Through Micra's Delivery Center in Costa Rica, Micra assigned a project manager and system architect to work with the client to gather the necessary requirements and determine the scope and functionality of the utility socket. The interface required a .NET program that would interpret and process the information exchanged between the EPAY system and the connectivity server.

Micra's custom solution included:

- A team of .NET developers to carry out the defined project plan
- The utility socket composed of a database and a web monitoring tool
- Onsite deployment at the client's office in Costa Rica
- Ongoing Micra support throughout the testing, pre-production, and initial production phases

### Results

As a result of Micra's solution, the company successfully deployed the back-end application across their local Central American store base. There have been no production environment application failures reported to date, and the response to the upgraded POS system has been highly favorable.



### For More Information

To learn more about how Micra's Application Development solutions can improve your organization's performance, visit [www.micraconsulting.com](http://www.micraconsulting.com) or contact [sales@micraconsulting.com](mailto:sales@micraconsulting.com).