CASE STUDY – DEVELOPMENT OF AUTOMATED METER READING SYSTEM

OBJECTIVE

Development of Automated Meter Reading System

BUSINESS CHALLENGES

- Addition of RF capability to the existing meters
- Enabling non-intrusive meter reading and intelligent data analytics based insights
- Providing both the walk through and remote meter reading capabilities
- RF based handheld and the gateway selection and customisation

TECHNOSOFT SOLUTION

- Walk by / Drive by / Fixed Wireless solution
- Plug–n–play 865~867Mhz RF module development for meter reading and connectivity
- Linux based application for the off the shelf open gateway
- True Bidirectional data transfer protocol
- Development of Linux application for the handheld and connectivity module
ABOUT
TECHNOSOFT
ENGINEERING

Technosoft is a global technology services company offering broad-based Engineering and IT services using a variety of client-partnership models for delivery. Technosoft’s client base spans various industry verticals including Transportation, Automotive, Heavy Engineering, Industrial Equipment, Machinery & Robotics, Off-Highway Equipment, Medical Devices and Consumer Electronic products. The company’s client base is primarily centered in the US, Canada, UK and Germany. Technosoft’s center of excellence for engineering is located in Mumbai, India.

Technosoft is a wholly-owned subsidiary of Technocraft Group, a publicly-traded, 45-year old manufacturing and engineering conglomerate. Technosoft derives its core engineering expertise and financial strength from Technocraft Group and leverages its network in over 20 countries.

In North America, Technosoft operates through its subsidiaries Technosoft Engineering, Inc. for general engineering services and STEP Engineering Inc. for EPCM services in the oil and gas industry. Technosoft Innovations Inc. based in Raleigh, NC, focuses on end-to-end product development for medical devices and consumer electronics products.

TECHNOSOFT SOLUTION

- Data logging at programmable time intervals
- Cloud Connectivity and cloud based application development for the remote meter reading and analytics
- Web application for meter reading, billing, analysis and report generation
- Multi hop network capability

TECHNOSOFT SOLUTION

- Efficient, optimal and cost-effective remote and Automated Meter Reading (AMR)
- Non-intrusive and respectful of privacy policies
- Enhanced system integrity and improved customer service
- Improved electricity consumption pattern as the demand management can be enabled
- Timely billing and theft detection

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