

TRINIDAD AND TOBAGO ELECTRICITY COMMISSION (T&TEC)



Smart Grid - Advanced Metering Infrastructure

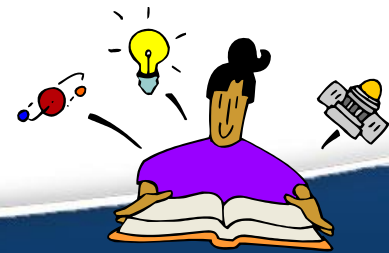


T&TEC – THE BEGINNING



The Trinidad and Tobago Electricity Commission (T&TEC) came into being by virtue of the Trinidad and Tobago Electricity Commission Ordinance No. 42 of 1945 and was responsible for the Generating, Transmitting, Distributing of electricity for the twin island republic of Trinidad and Tobago.

In 1994, the Power Generation Company of Trinidad and Tobago (PowerGen) was formed and was primarily responsible for the generating of electricity, while T&TEC retained the responsibility for the **design, construction, operation, and maintenance** of the country's **Transmission and Distribution network** of Trinidad and Tobago.



T&TEC is divided into five (5) geographical area's





Total Number of Customers as at March 2017



	No. Accounts	No. AMI Meters
North	92,117	91,740
South	141,992	141,990
Tobago	27,228	26,228
East	126,011	125,990
Central	81,157	81,154
TOTALS	468,505	468,102

T&TEC - THE POWER TO MAKE IT WORK!



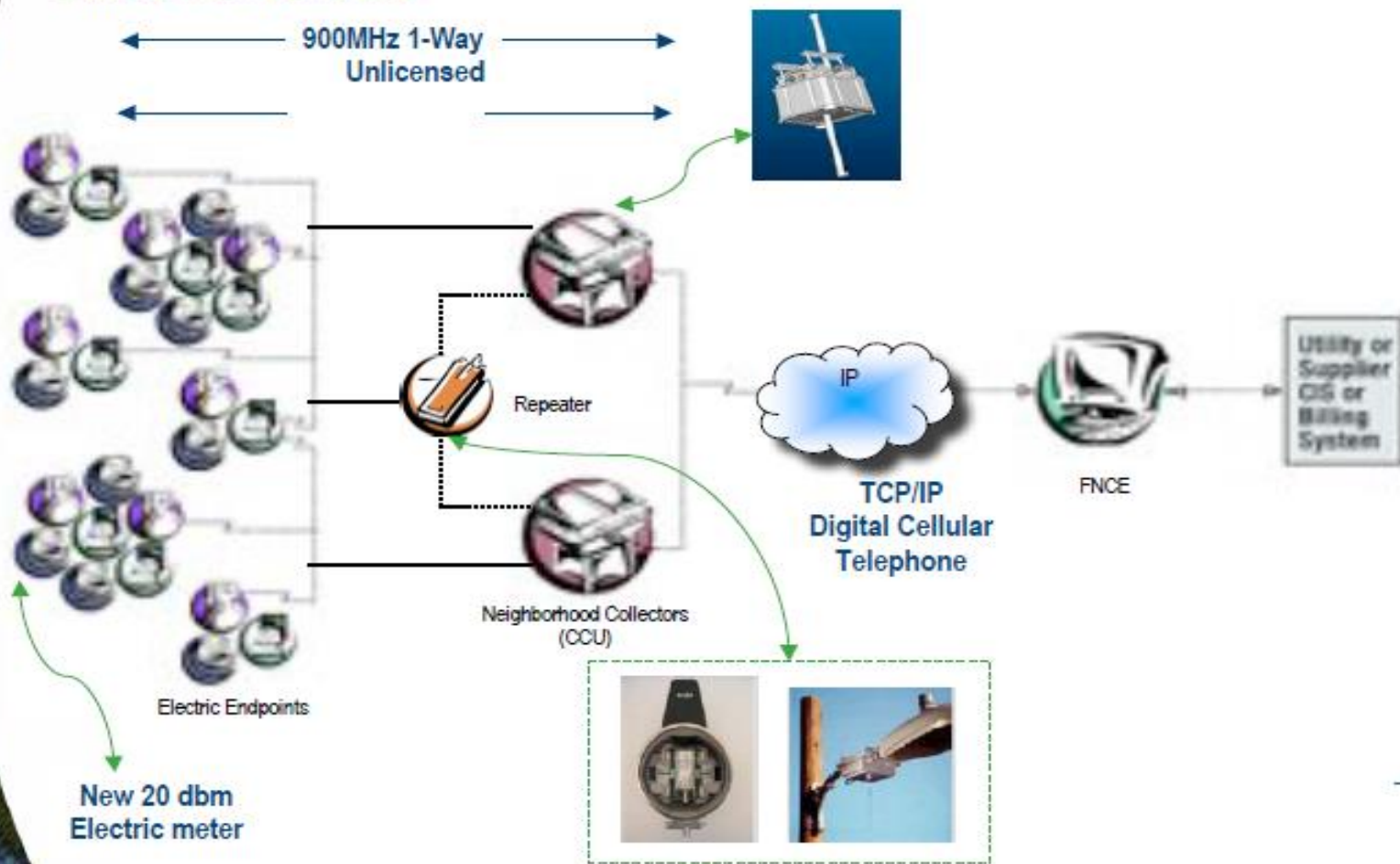
Three Solutions



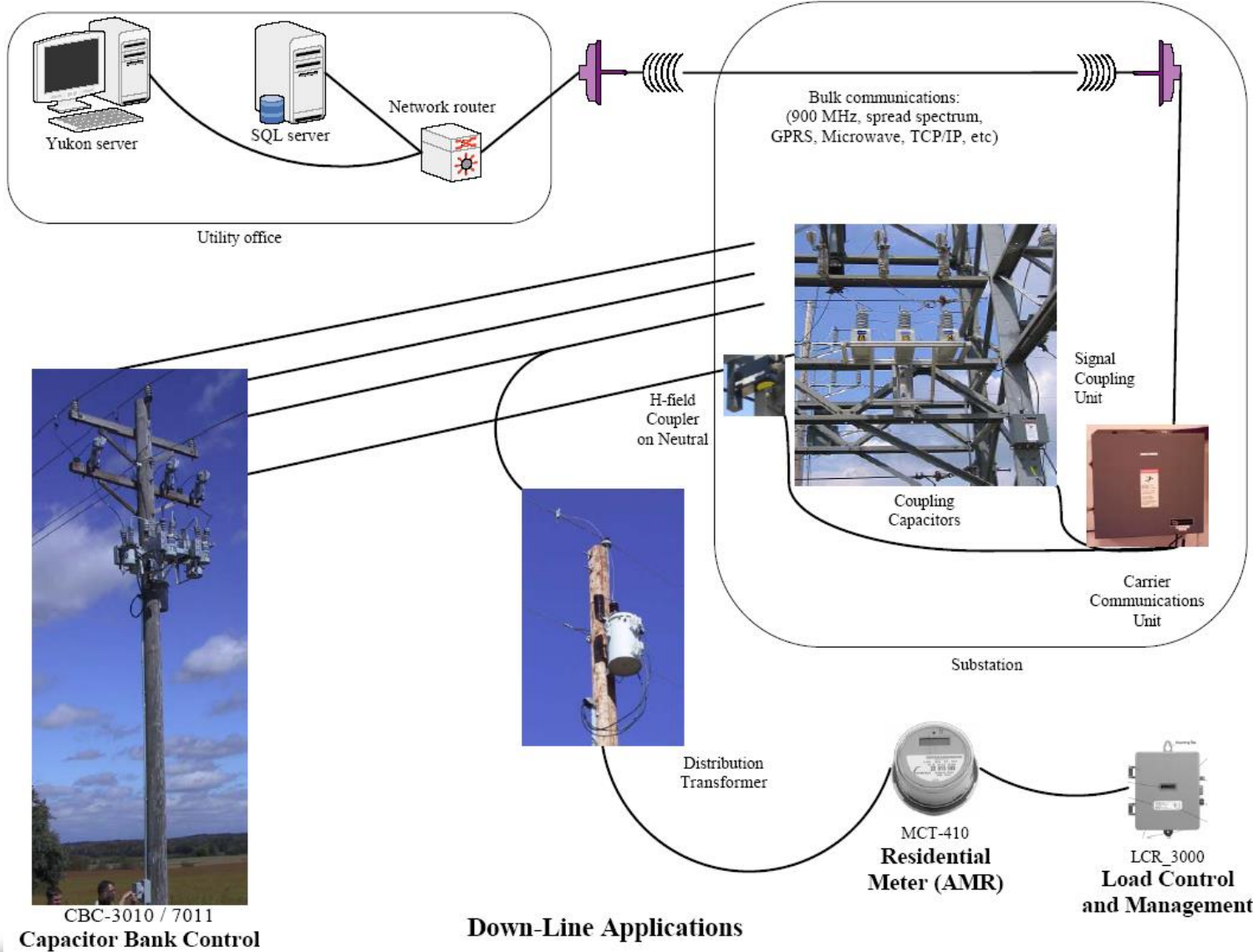
- **Fixed Network 2.0**
- **Yukon - Power Line Carrier**
- **NightHawk Remote Reconnect / Disconnect
(Pilot)**

Current AMI Architecture

Fixed Network 2.0



Power Line Carrier Architecture





BENEFITS OF THE AMI SOLUTION



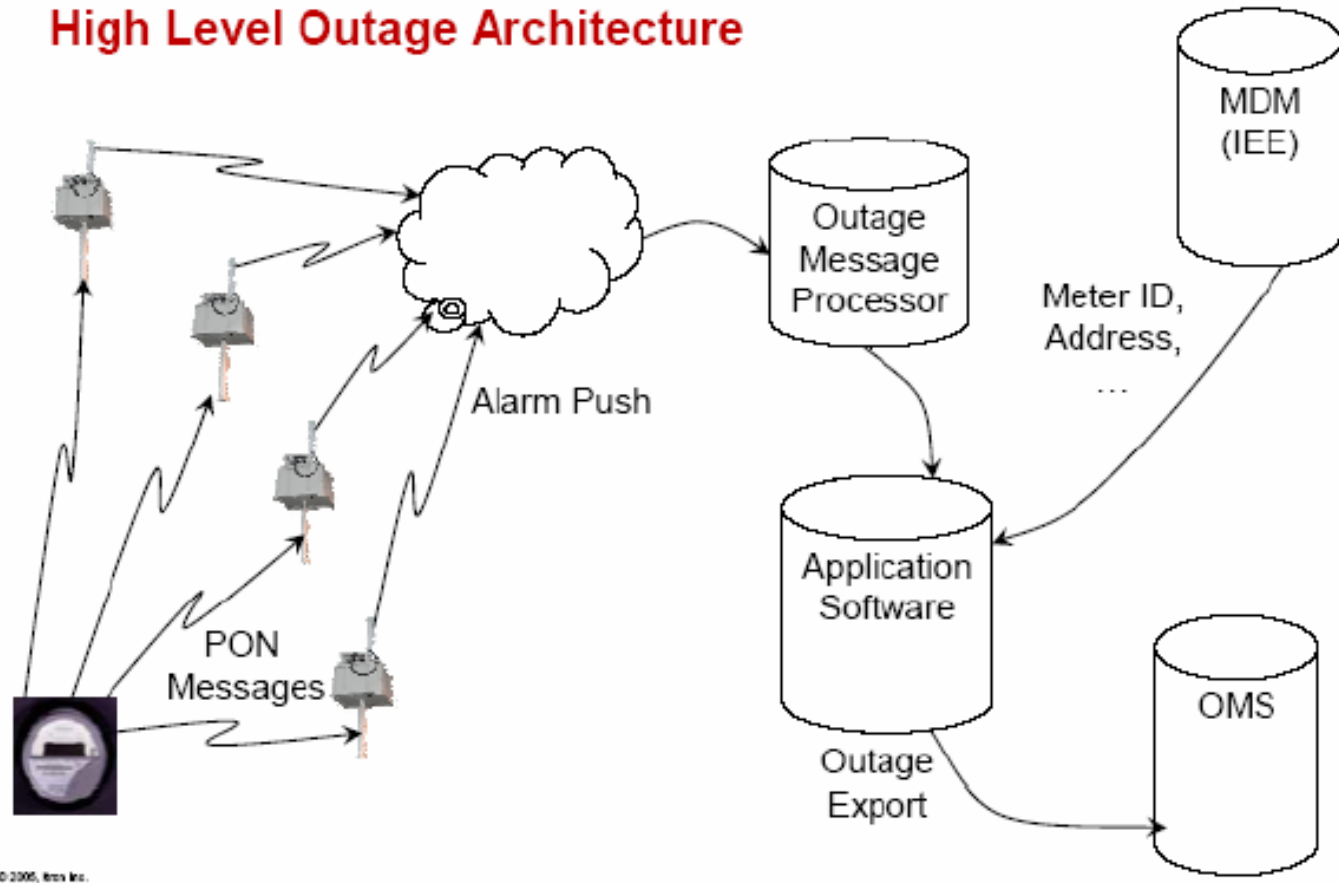
- Increased customer satisfaction
 - No estimates/accurate billing/timely billing
- Improved Outage Management
- Improved Meter Management
- Improved Revenue Protection – tamper/theft detection
- Facilitates TOU Billing
- Improved Capacity Planning

REMOTE
DISCONNECT/
RECONNECT
COLLAR



OUTAGE MANAGEMENT

High Level Outage Architecture





Mapping Outages

