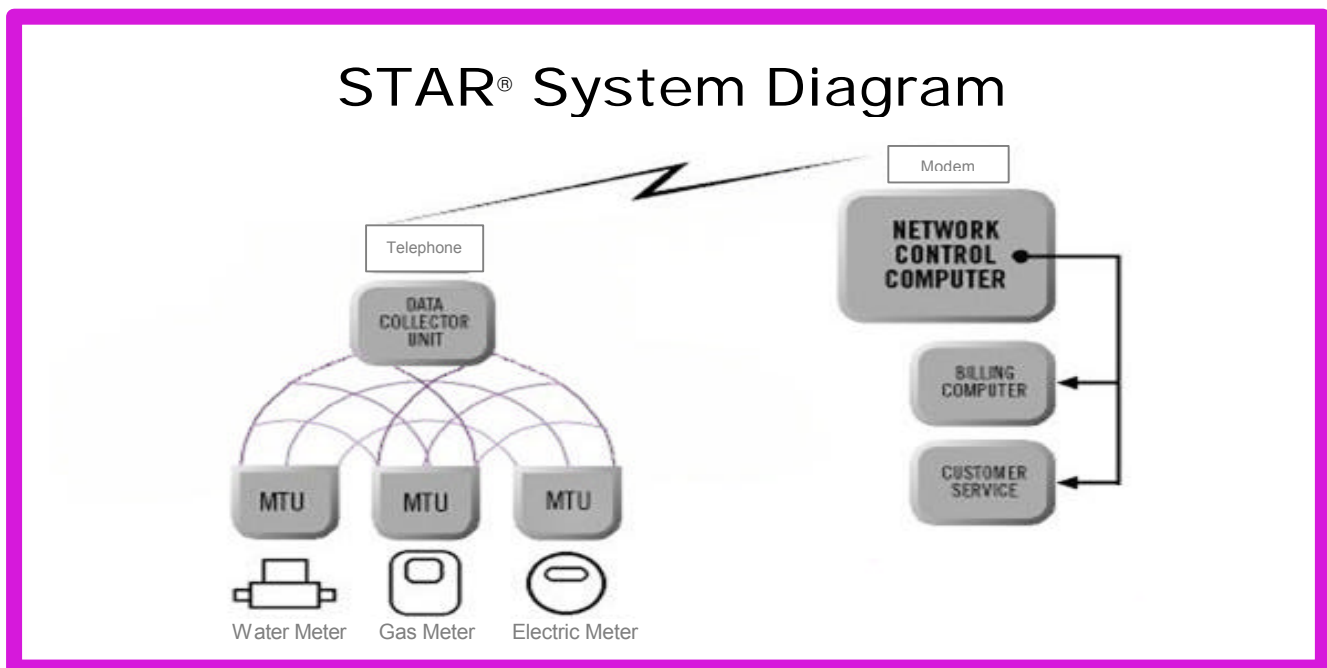


The STAR® Fixed Network AMR System for Submetering Applications

The Hexagram **STAR®** system provides fully automatic, wireless meter reading without meter readers or site visits. Powerful, narrow band meter transmitters allow the use of a **single** data collector, without repeaters, to economically read large submetering installations in developments, high-rises, and other multi-tenant communities.



STAR® System Components

STAR® Meter Transmission Units are small, permanently sealed modules which connect to any gas, water or electric meter that provides an electronic output. During installation the MTU is mounted in a convenient location near the utility meter. Several times each day, the MTU broadcasts the meter reading and account information by way of a brief radio transmission that can be received up to several miles away.

The **STAR® Data Collection Unit** is typically installed in a utility closet or storage area and provided with line power and a telephone connection. The DCU receives the MTU transmissions, time-stamps and processes the data and stores it in memory along with system diagnostic information. Once per day, the DCU contacts the off-site NCC and transfers the meter reading data.

The **STAR® Network Control Computer** processes the information from the DCU and provides billing data and customer support information.

Features and Benefits of the STAR[®] Automatic Meter Reading System for Submetering

Features	Benefits
<i>Daily meter readings Available for every meter</i>	Property owners and managers demand frequent meter readings as a management and customer service tool. Move-out and move-in reads are instantly available.
<i>No meter readers or on-site visits</i>	Reduce cost and simplify management of the read and bill process. Improve privacy and security of residents.
<i>Wireless operation</i>	Transmitters are easily installed without running wires. Perfect for retrofitting existing buildings.
<i>High power, long-range radio transmitters</i>	One Data Collector will service very large installations, including multiple building developments and high-rises. No "Repeaters" required.
<i>FCC-licensed, clear channel operation</i>	Radio transmissions are less susceptible to interference.
<i>Compatibility with essentially all makes of meters</i>	Makes retro-fit applications feasible and inexpensive.
<i>Twenty-year battery life</i>	Simplifies transmitter installation. Eliminates expensive battery change-out programs.
<i>One meter transmitter can service two meters</i>	Significantly lowers the cost of two-meter or dual utility installation. Exclusive STAR feature.
<i>Low system cost, low ongoing life-cycle cost</i>	Eases cost justification.
<i>Theft and tamper notification</i>	Prevents theft of service and fraud.
<i>Leak and power outage detection</i>	Allows enhanced customer service.