

InTek-eTM
 extended Tele-Metering
 and Monitoring/Control
 Front End SCADA Gateway



SCADA Master *Protocols for Interface to CC:*
 [running concurrently]
 IEC 60870-5-104 (Ethernet)
 DNP 3.0 TCP (Ethernet)
 OPC DA Server (Ethernet)

Protocols to Downstream :
 [running concurrently]
InTek Cellular (TCP/IP)
 IEC 60870-5-101 (Serial)
 IEC 60870-5-104 (Ethernet)
 IEC 61107 / 62056 (Serial)
 DNP 3.0 (Serial)
 DNP 3.0 TCP (Ethernet)
 Modbus RTU (Serial)
 Modbus TCP (Ethernet)
 EDF HNZ RTU (Serial)
 ABB Indactic33 (Serial bit-sync)

PC Server w/
 SQL Server for
 AMR Load Profiles
 Storage

Router

Leased-Line

**Private Secured
 GSM Network**
 w/ Specific APN
 and Dedicated Routing

Public Network
 (not used, but if utilized - will need
 more security enhancement)

**GSM Network
 w/ specific APN
 GPRS/EDGE/3G**

**GSM
 Network
 Control
 Centre**

**Public
 Internet**

InTek Cellular (TCP/IP) Protocol

