Energy Meter Reader

The program simulates reading 10 times from a energy meter device though modbus connection. The reading is around 100.000 Kwh (just to set the higher 16 bit word to 1 in a 32 bits dword containing the reading).

Program was developed on Eclipse in Windows environment in C++.

Libraries used:

*Json parser for C++ (JsonCpp): https://github.com/open-source-parsers/jsoncpp*

*ModBus library for C: (libmodbus) : http://libmodbus.org*

Note:

The ModBus library was simulated being on WIndows and with no real device to communicate to; see ModBusLibStub. The necessary lib API functions were included in the stub and used by the class ModbusReader.