



"Embedding thoughts into Technology"

Embin Technologies Private Limited  
306, Sarita 2, Prabhat Industrial Estate,  
Near Toll Naka, Dahisar East,  
Mumbai - 400 068. India.  
Tel : +91-22-28977128  
+91-22-28977127  
Fax : +91-22-28689486  
Email : contact@embin.com  
Website : www.embin.com

## Low-cost network enabled Power Monitor

Client:

In-house development.

### **Requirement:**

Design a low cost power monitoring system, which can monitor important power parameters. The system should have network connectivity. The system should also generate specific reports required for various documentation purposes as well as MIS functions.

### **Solution:**

Embin has designed and developed a high performance data acquisition system with GUI for remote monitoring and user interaction for Power Systems. The hardware can measure and monitor up to 20 electrical Parameters. A small embedded database keeps a log of all the events/faults. A Windows based Application software developed in VC++ can be used to remote monitor the power system using the hardware connected in the Local LAN using Ethernet.

### **Tools/Platforms:**

- » 8 bit High Speed Microcontroller
- » Embin's TCP/IP Stack
- » Embin's ETM121 ethernet module
- » Firmware: C
- » Application: VC++ 6.0