

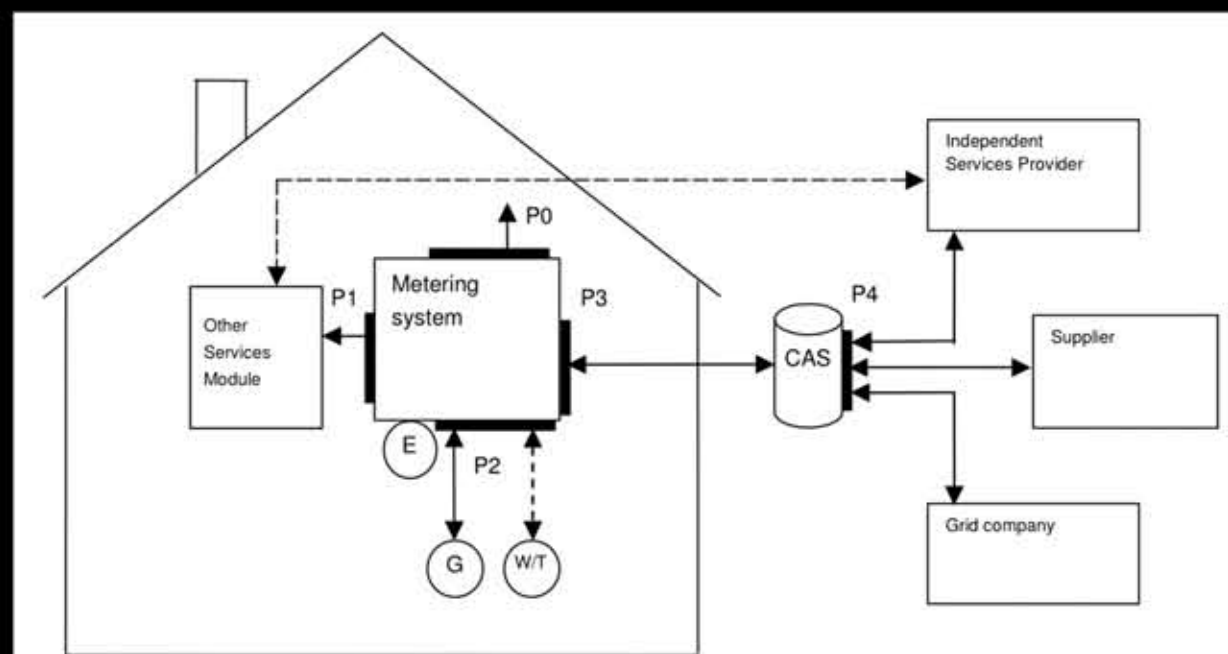
# P.I.C.A.

Amy Ball (EE), Nathan Jen (EE)  
Avery Sterk (EE), Kendrick Wiersma (EE)

## POWER INFORMATION COLLECTION ARCHITECTURE

### The Project:

A power monitoring system for commercial and residential applications. Such a system would provide previously unavailable usage data, along with other relevant information about the power system to both the consumer and the service provider.



### Overview:

As the cost of electricity continues to rise, people are more concerned with how electricity is used in their home or office, but have no reasonable means of knowing exact usage data. The project will replace the conventional power meter with something that can measure and report data to both the power company and consumer. Total power used, real-time usage and peak performance information are some values that could be provided. The system will do all of this through a base station that controls additional optional components and also interfaces to an easy-to-understand display.