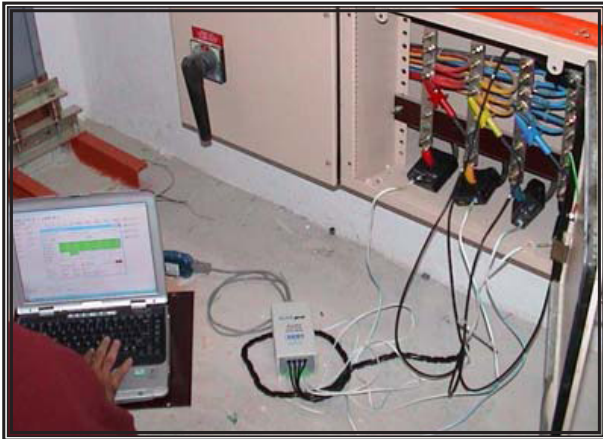


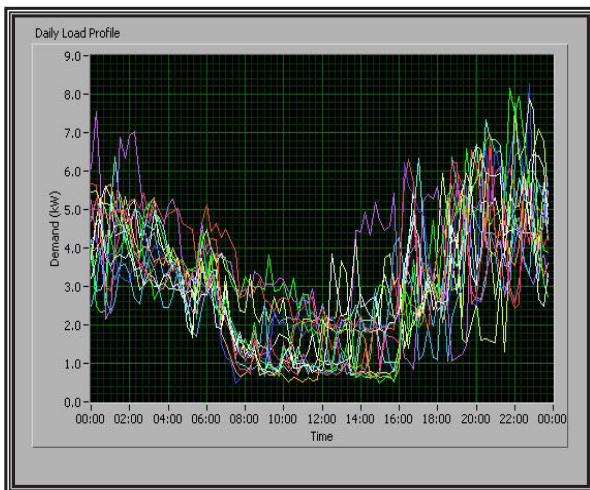


R&D Fund Project

Load Profiling for Different Customer Clusters in Putrajaya and Cyberjaya



Measurement Set-up



Sample Data

Project Overview

The development of the customer load profile model is a statistical and analytical approach in understanding the demand requirements for domestic, commercial and industrial sectors. In this project, the customer load profiles are the different customer clusters in Putrajaya and Cyberjaya which consists of various domestic and low voltage commercial business categories and also public lighting. The database which is developed from the analysis of 100 samples of customer load profiles and historical data of customers is primarily used as input parameter for TEKLA GIS XPower load flow analysis software. Site measurement was conducted by TNBES and the model development and analysis was carried out by TNBR.

Deliverables

- A customer load profile model for daily and weekly index profile based on site measurement samples.
- This load profile has been installed and used in the GIS Xpower Load Flow Analysis software.

Benefits

- Allow better planning of distribution network.
- Optimized utilization of resources.
- Provides information on how to achieve consistent and reliable power throughout the year