



# Modelling and planning the energy demand

Demand Analyst® is a powerful tool for rural electrification help decision making dedicated for planners and engineers. The software is designed to estimate the energy demand growth for one specific village or a cluster of village with a study area until the planning horizon. At the opposite of traditional "top-down" approach model, Demand Analyst® use an accurate demand analysis for each end user (Households classes, public infrastructures and services, businesses, shops, etc.), which are previously identified through socio economic field surveys.

- ◆ Demand Analyst® offers a user friendly interface which simplifies the management and edition of load forecasting results.
- ◆ The scenario customization can be easily done by a non-specialist and growth hypothesis can be quickly addressed and tested.

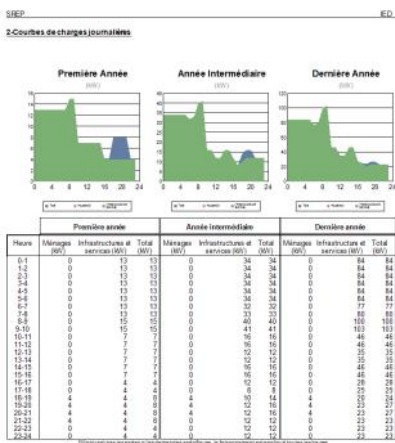


## Forecasting the project energy demand in order to optimize the grid network sizing and investment required

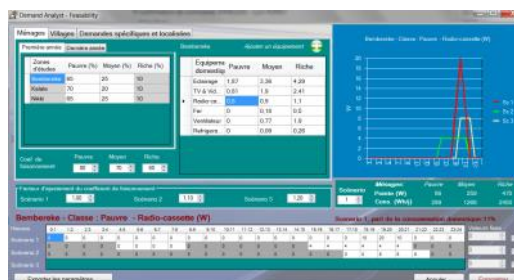


Demand Analyst® offers various functionalities :

- **Study area customization** : Demand Analyst® can equally study one specific village or a cluster of villages within a study area with different energy patterns and population ranges.
- **Planning horizon**: The planning horizon can be easily adapted to local or national customs
- **Regional parameters** : Various parameters can be set according to its geographic area.
- **Specific demands** : Some productive uses or agro-industries requiring large amount of energy located outside even villages can modify the energy pattern. Those demands can then be characterized and take into account for planning studies.
- **Study scenarios**: More than three type of energy service scenario can be simultaneously studied and compared.
- **Detailed energy output** : Annual consumption, energy peak, client number (low and medium voltage) and daily load curves.



Tool already deployed in various countries such as: Laos, Cambodia, Burkina Faso, Cameroon, Benin Madagascar, Tanzania...



### Minimal configuration :

- ◆ Windows 7, 10, 11
- ◆ Platform .NET 4.6
- ◆ GEOSIM© compatible



2 chemin de la Chauderaie  
69340 Francheville - FRANCE

Phone : +33 4 72 59 13 20  
Mail : [ied@ied-sa.fr](mailto:ied@ied-sa.fr)  
Website: [www.ied-sa.com](http://www.ied-sa.com)