**REQUIREMENTS ANALYSIS**

This could also be called a Functional Specification. It documents ‘what’ the system must be able to do, but not ‘how’ it must be done

Take a close look at the system requirements in terms of:

* Inputs
* Outputs
* Functions
* Environmental issues
* Packaging issues
* Structural issues
* Operational issues
* Safety issues
* Maintenance issues

Try to add as much detail as you can. For example; how many lights per household, for how many hours a day, at how many lumens, and so forth.

In real life the client is often not a technical person, and it is therefore up to you to ‘fill in the gaps’ in the requirements that have been conveyed to you via the Project Overview.

Please note that at this stage we need to document only the REQUIREMENTS and not the SOLUTION. That will follow later.