- Context and general summary of the operation of the system
- Complete list of components that will be used, with a short description and why
- Documentation of the device (s):
  - Complete wiring scheme
  - Flowchart of operation
  - List of functions used to communicate with the sensors, including input / output parameters and operation.
  - List of functions that will be used to communicate with the base station, including input / output parameters and operation.
  - Other functions necessary for device operation
  - Other technical considerations of the devices not described above.
- Base station documentation:
  - Scheme of the software components that run on the base station and how they are related to each other (Broker MQTT, Node-RED, Mongodb?).
  - List of functions (flows) **themselves** to be used to communicate with devices, including input parameters / output (messages) and operation.
  - List of functions (flows) **themselves** to be used to communicate with the database and the SCADA, including parameters input / output (messages) and operation.
  - Other **own** functions necessary for the operation of the base station
  - Other technical considerations not described above.
- Device-base station interface. (Message structure)

- Study of the power / energy consumption of the device

- User manual:
  - System installation, specifications and calibration
  - System use and maintenance manual
  - Detection and solution of possible errors

How is the document going to be valued?
- **Well written and clear**
  1. Good: The document has no misspellings, and a simple language is used that is perfectly understood. The document is careful: it looks nice, the sheets, drawings, etc., are numbered, the different sections are clearly marked. It shows that they have taken it seriously.
  2. Enough: The document is understood quite well, although there is some part that can be improved. I found some error, probably attributable to a mistake. With a little more effort, it could have been better.
  3. Insufficient: I have found several spelling mistakes, and I have not understood many of the things that are said in the document. The document is quite neglected. It shows that they have not tried very hard.

- **Adequate content**
  1. Good: The document includes complete information on all the points that were requested. They also explain and briefly justify the decisions made.
  2. Enough: The document includes all the points, but the information is not complete in no more than three of them, or some point is missing. I see some dark aspects in the description of some point. Some key decisions are not justified
  3. Insufficient: More than one point is missing or the description is quite incomplete

- **Good and effective approach**
  1. Good: The approach is good. I can't think of many improvements. The scheme and operation is clear and reasonable. The functions that will be used are well described, with a clear comment on what they do. With this information I think that I would have no difficulty in making the design myself.
  2. Enough: I think the proposal is good although it admits some improvements. I understand well what they want to do, but if I had to implement it, I would have to ask for some additional clarification.
  3. Insufficient: The approach is not good. I do not understand the purpose or need of some of the elements of the structures, or of some of the procedures and functions. If I had to implement the application, with this information I would not know where to start.