• **Simple:**
  one IED should be enough for a circuit breaker, whether fitted with single-phase drive or three-phase drive.

• **Modular:**
  because all users do not have the same problems, or the same needs. The system has to be modular enough to adapt itself to all these situation, being able to provide low costs solutions where simple monitoring is required.

• **Flexible:**
  the outputs and alarms of the system should be easily set by the user.

• **Easy to install and to maintain:**
  mechanical adaptation should follow well-known practices such as DIN mounting, standard mechanical connections.

• **User friendly:**
  system should give clear, general, indication of primary equipment status which doesn’t need any interpretation.

• **Include advanced monitoring and expert systems:**
  precise diagnostics are a must in order to optimize maintenance crew activity. Each alarm shall come with a description of its cause, and the procedure to restore the equipment to its rated condition.

• **Communication:**
  modern systems must be able to access remotely to all kind of information from their office, ranging from operational status, to fault location and scheduled end-of life based.