

Dangerous site watching

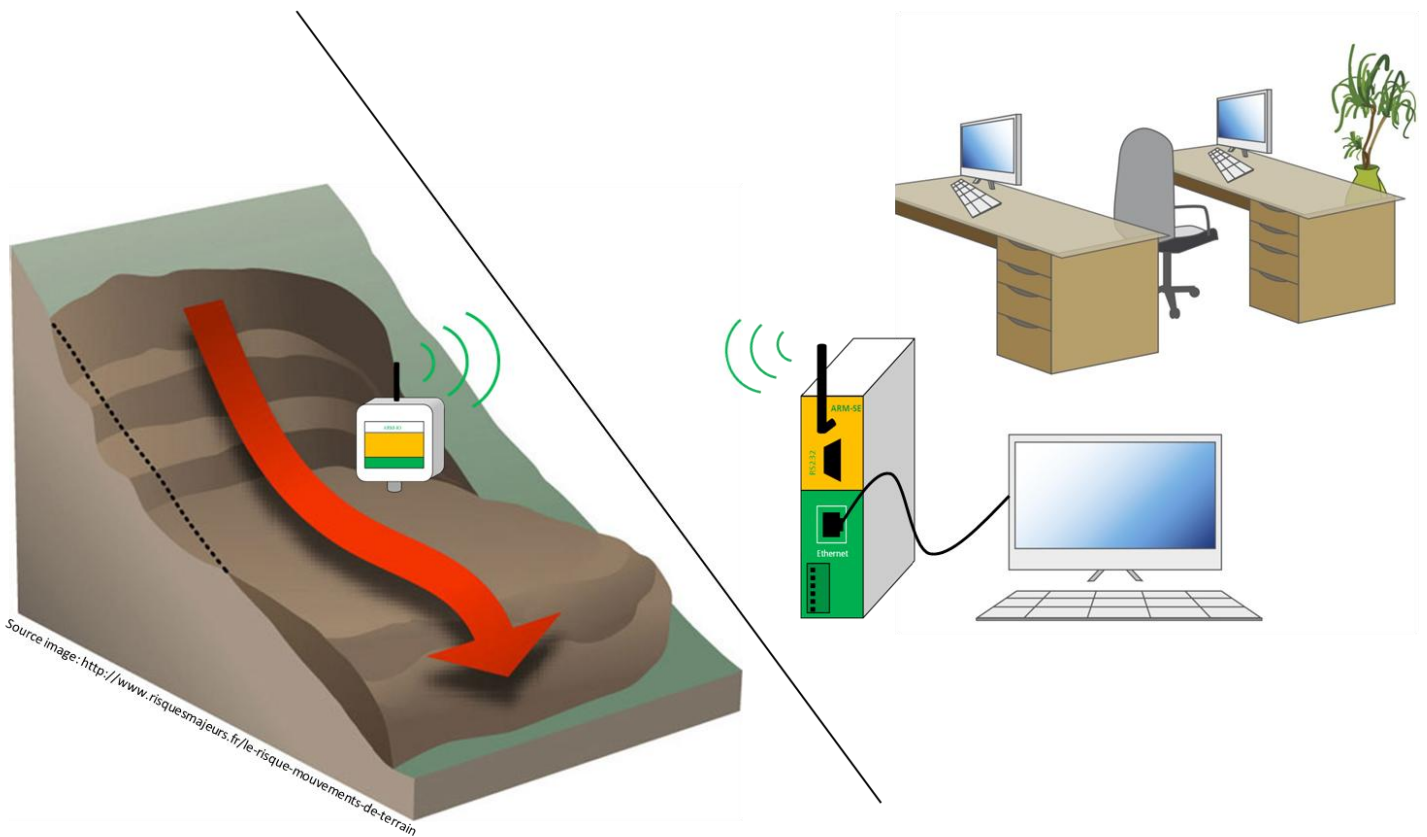


Objectives:

- Transmit a site survey

Products:

- ARM-IOA (-LP)
- ARM-IOD (-LP)
- ARM-SE

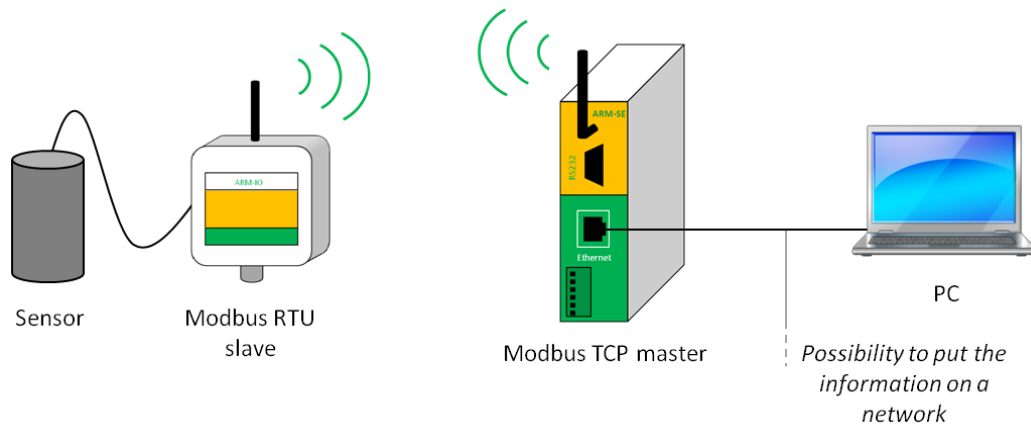


Application:

Risk sites are often difficult to access. That is why it is easier to send back by radio transmission data from the probes. The probe transmits a 4-20mA signal to an ARM-IOA, or a digital signal to an ARM-IOD. The message is received by an ARM-SE, nearly one kilometer away.

Low power versions for ARM-IO are specially adapted to kind of application, with an autonomy of several years.

Configuration:



With an Ethernet connection, the ARM-IOA must be configured in RTU Modbus slave. The ARM-SE must be configured in gateway Modbus TCP/RTU master. The advantage of the Ethernet connection is the possibility to put the information directly on a network and access it locally or via Internet.

It is also possible to connect the ARM-SE to the PC with a RS232 serial link, the ARM-IO must be configured in this case in RTU Modbus slave and the ARM-SE in transparent mode.

The configuration of the ARM-IOA and the ARM-IOD is made in the manufactory or by sending a Modbus frame with the ARM-SE. They are automatically paired with the master during the first power up, by listening the carrier, and stocking it in memory the master address. To awake an ARM-IO, the master must send a longer carrier.