

Objectives:

- Data transmission from isolated sites

Product:

- ARM-SE

**Application:**

Scientific studies on the climate change or on the ice field drift are often based on isolated sites, with very hard conditions (low temperatures, violent winds, sea water, etc.). ATIM radio modems are already used in Antarctic or on the sea in order to measure depths, currents, pollution rates, etc. The ARM-SE is placed behind a data acquisition central, embedded on a buoy.

Configuration:

The ARM-SE could work in the Ethernet bridge mode, for example to connect a PC to an Ethernet data acquisition center. They can also be configured as a gateway Modbus/TCP to Modbus/RTU. In Modbus, from one or two master posts, it is possible to visualize up to 255 distant slave stations. In bridge mode, the ARM-SE replaces a network cable (with the limitation rate that the RF imposes).