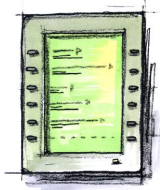


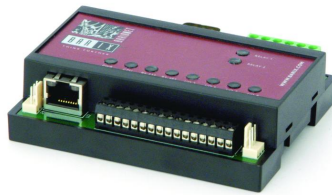
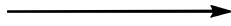
Remote Data Collection Without Network Connection



STEP 1 - DATA ENTRY

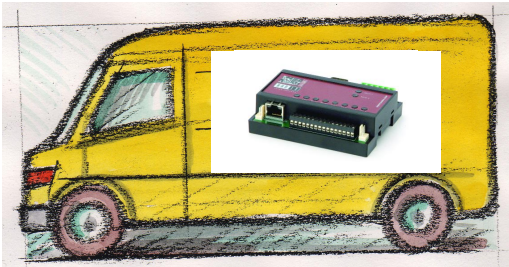


BARCODESCANNER



BARIX BARIONET WITH RTC

STEP 2 - TRANSPORT



STEP 3 - DATA EVALUATION

DATABASE



BARIX BARIONET

When Time Goes on a Journey

At the Swiss National Railway (SBB), the division SBB ImmoClean is responsible for cleaning and maintaining all of its company owned property. To monitor the workforce the company has equipped every worker with a barcode scanner. The workers must scan the barcodes on all the sites they visit to log time and location information.

At the end of the day the workers place their barcode scanners into the data collection stations that then transmit the data online or offline to the command center.

The system integrator company zetaConsult had a difficult task to develop the offline data transmission for this project. The problem the company faced was how they could ensure that the scanner's internal time would continue to clock and stay accurate while uploading all collected data.

Eventually the company figured out a solution which was sending the device's current time along with the collected data. That's where Barix came into play.

Barix used the Barionet interface platform to develop a customized hardware component for the company zetaConsult. This component collects and protects the data and additional time information.

The Barionet is able to upload the entire data over the internet to the command center. If no network infrastructure is available on site, the offline solution is that the whole Barionet gets mailed via the postal service to the command center so that the data can be extracted from the Barionet on site.

For further information, detailed technical specification and information about other versions and products please visit www.barix.com