

GIS - Support #8068

Connection to the water meter of the central waste water treatment plant

10/04/2019 12:53 - Philippe May

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|---|--------------|------------------------|------------|
| Status: | Rejected | Start date: | 10/04/2019 |
| Priority: | Normal | Due date: | |
| Assignee: | Philippe May | % Done: | 0% |
| Category: | | Estimated time: | 0.00 hour |
| Target version: | | Spent time: | 0.00 hour |
| Description | | | |
| The device is an ABB FEX300 (or FEX 500). The request (from Vijay@CSR) is to be able to read the meter remotely, as a first step. | | | |

History

#1 - 10/04/2019 13:02 - Philippe May

That meter has several protocols:

- HART (https://en.wikipedia.org/wiki/Highway_Addressable_Remote_Transducer_Protocol)
- Profibus PA (<https://en.wikipedia.org/wiki/Profibus>)
- Foundation Fieldbus (https://en.wikipedia.org/wiki/Foundation_Fieldbus)

At this point, it's worth considering RaspberryPi as a network interface (eg, see <https://stackoverflow.com/questions/37926229/how-to-connect-raspberry-pi-and-profibus>)

Alternatively, one option would be to access the electrical monitoring of the pump, which is driven apparently by something like http://www.ceweinstrument.se/files/4614/2114/2703/Programmable_transducer_A0124e-1014.pdf , and accessible from 192.168.16.50:502 (Aurinoco).

The good news is that OFC goes there.

#2 - 11/04/2019 01:53 - Philippe May

Aren't there Raspberry Pi based interface for fieldbus? It seems so:

<https://www.dtronixs.com/?p=183>
<https://revolution.kunbus.com>
<http://linuxgizmos.com/rugged-linux-box-pc-excels-at-industrial-fieldbuses/>

Fieldbus/USB interfaces:

<https://www.thorsis.com/en/industrial-automation/usb-interfaces/foundation-fieldbus/isff-usb/>

#3 - 11/04/2019 13:00 - Philippe May

- *File fex300.pdf added*

#4 - 24/05/2019 23:37 - Philippe May

- *Status changed from New to Rejected*

There was a rather difficult interaction with Gilles B. on this topic.

I would have liked to help, but it's going out of my hands.

Files

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|------------|---------|------------|--------------|
| fex300.pdf | 4.72 MB | 11/04/2019 | Philippe May |
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