

Dear **WFWG** member,

following this you can find useful applications in order to represent different possibilities for to do measurement in sewage network at your premises or as part of your projects.

## Tank Cleaning Control Using Only 1 Relay

### Application

- Open stormwater overflow tank
- Depth 4.0 m
- Water jets as cleaning instruments



Devices used

### Definition of Task

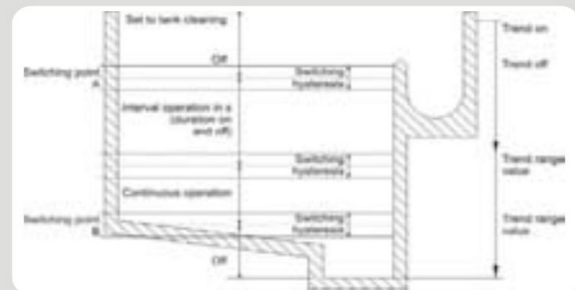
- The level shall be detected with a pressure measurement cell
- Up to 5 cleaning instruments (water jets) are to be controlled
- Tank cleaning control shall be implemented using only one transmitter

### Solution

- The level measurement has been implemented using a transmitter Type NivuCont Plus in connection with a 2-wire pressure probe NivuBar Plus.
- The NivuCont controls the cleaning instruments depending on level and trend as well as within certain cycles.

#### **Advantages:**

- Cost-efficient tank cleaning using one relay output.
- No PLC required – comprehensive PLC programming through third parties was not necessary.



Schematic diagram of tank cleaning control

In case of any further question, please do not hesitate to contact us:

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