


Steps to use Mermaid 2009


1. Create sensor configurations (setup of the motor and pulse inputs)



- Click on this
- Click on  Configurations
- Click on **Add...**
- Give a meaningful name like "2 x 75 Amps + Voltage"
- Give a name to all inputs like "Pump 1" to replace the default "Motor 1" and select the right type of sensors and their range.
- It is better to setup the Rain gauge input immediately. To change the rain units, click on [Select rain unit...](#)
- We suggest creating all possible sensor configurations that you might use immediately. Remember that some model of current sensors might have a selector to use 5 , 15 or 75 Amps, therefore each of these setup might be used one day and should be configured now.

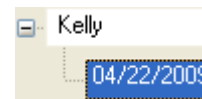
2. Create a Station (number of pumps, dimensions, ...)



- Click on  Lift Stations
- Click on **Create Station...**
- Give a meaningful name like the name of the lift station for which the station is created
- Select the number of pumps in the lift station
- If you want to use a derived flow algorithm to calculate influent flow from preset pump capacity, enter values in "Pump Combination Flows" dialog. If not, leave them blank.
- Select the geometry of the well, the level of the influent pipe and the dimensions of the well. For the dimensions, the distance is calculated from the top of the well to the level, therefore the Lead OFF level should have the highest value.

3. Create an Installation (select datalogger, configuration and station)

- Click on the second line of the Station that you have just created
- Click on **Create Installation...**
- Give a meaningful name like the name of the lift station
- Select the "Lift station installation" (created in step 2)
- Select the datalogger that was used on this lift station. *If you have not downloaded data from this lift station yet, wait until you do to create the Installation.*
- Select the Sensor configuration (created in step 1)
- If a voltage sensor is not used, you can enter manually the voltage supplied to the pumps.
- If the downloaded data was for only this lift station, you do not have to select a range a date. Reasons to select a range of dates:
 - The quantity of data of one lift station is too big and the processing time is too long.
 - The datalogger was used on multiple lift station, therefore the dates when the instrument was installed in the selected lift station (step 3d) must be specified.
 - A report for a specific duration is required (like one month exactly).



You are ready to use any analysis offered by Mermaid 2009.