

# SMART PICOGEN EXPERIMENT AT SEMEA

Return on 3 months of experimentation of the SMART PICOGEN solution in Angoulême by the SPL SEMEA



Votre entreprise publique de l'eau



# PROJECT SUMMARY



## Requirements

Identifying a water quality problem upstream of a hospital



## Objectives

Real time monitoring (5min) of 7 physico-chemical parameters with a focus on turbidity



## Issues

To be able to change the source of supply of the hospital in case of quality problems (turbidity in particular)



## Constraints

Minimum installation distance upstream of the hospital for responsiveness when needed



## Stakeholders

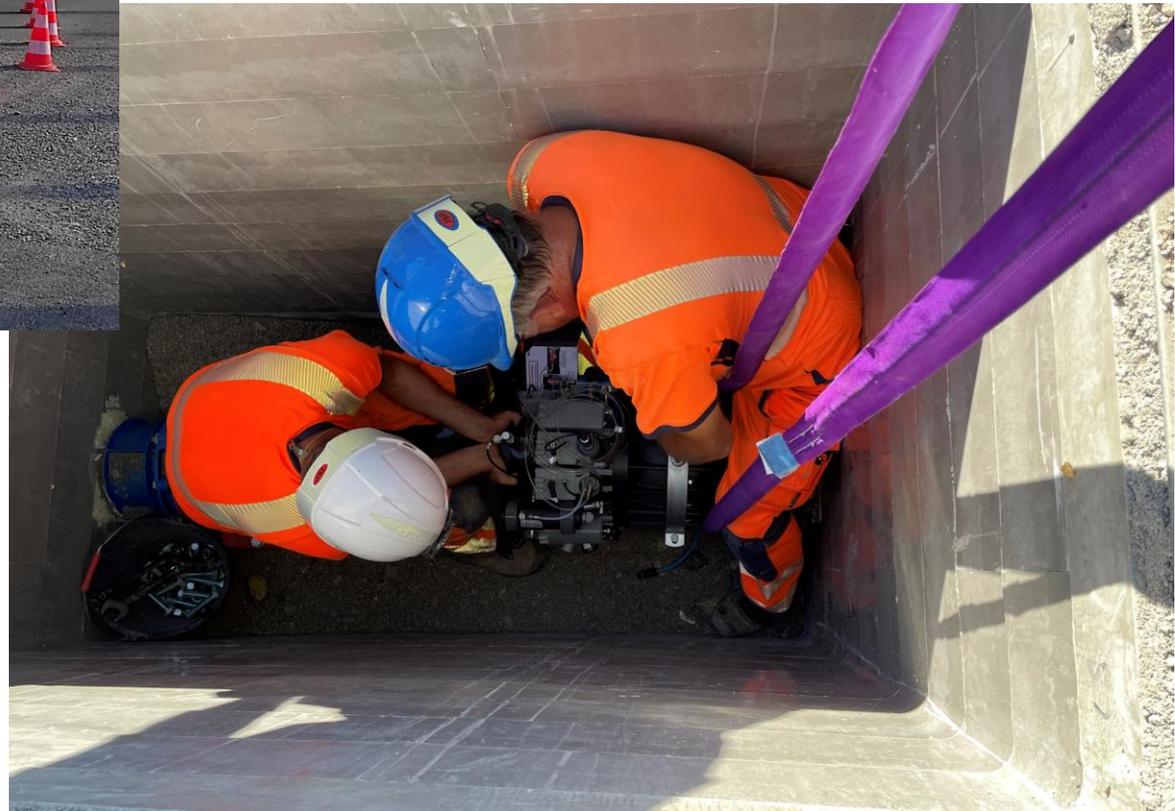
**Works : SEMEA**  
**Supplier : SAVE INNOVATIONS**

# WORKSITE



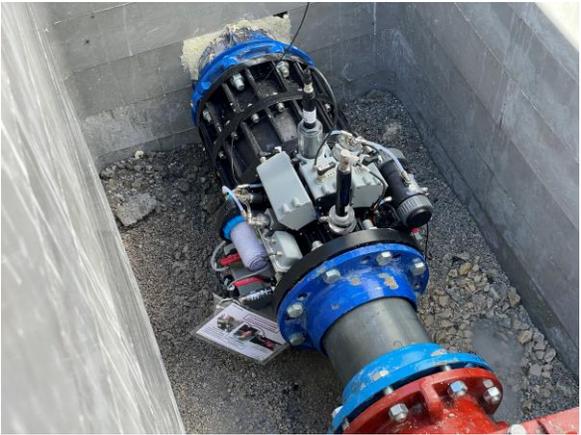
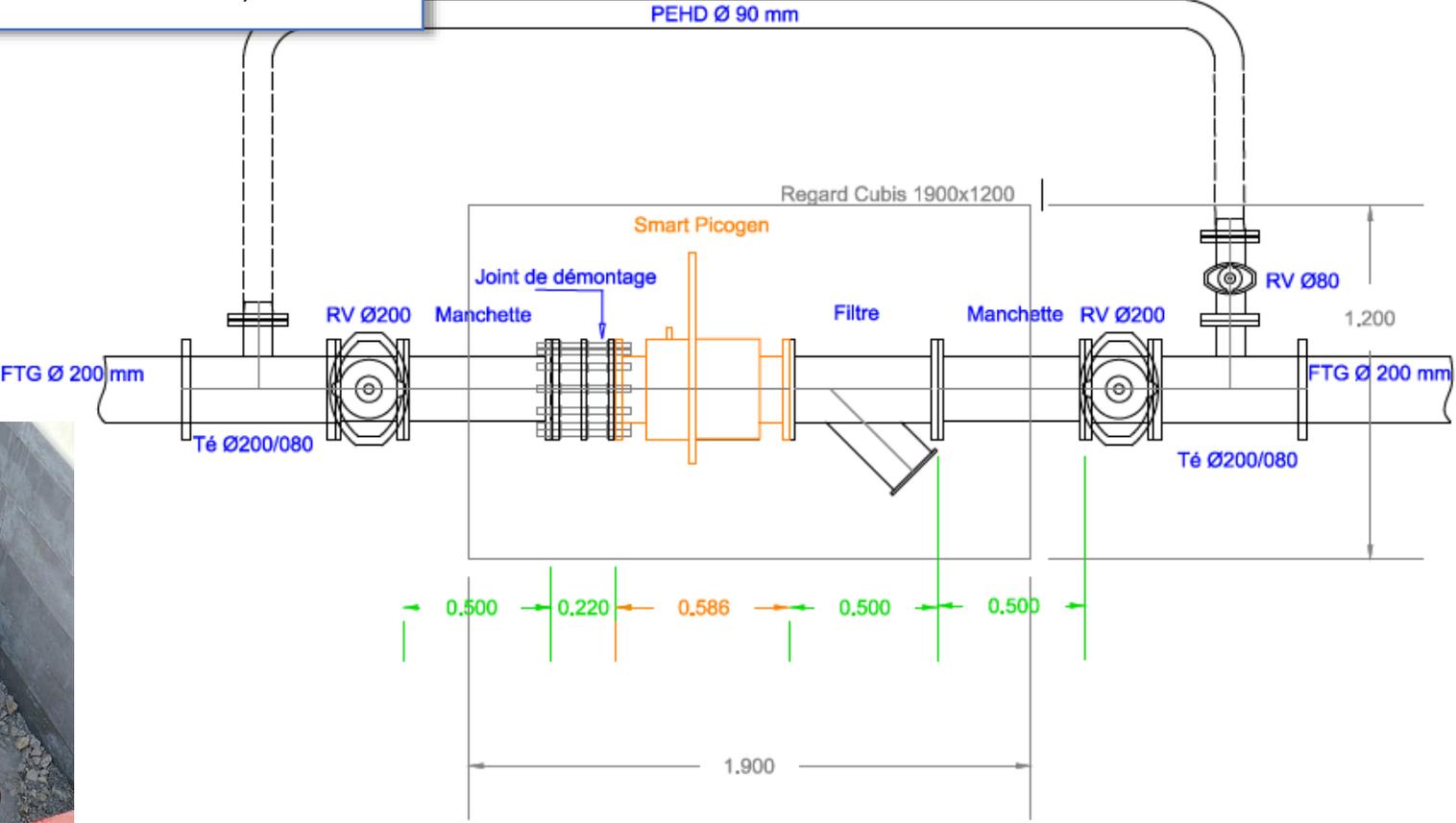
Creation of a manhole 1.9m by 1.2m to accommodate the stand-alone equipment

For installation of the  
SMART PICOGEN



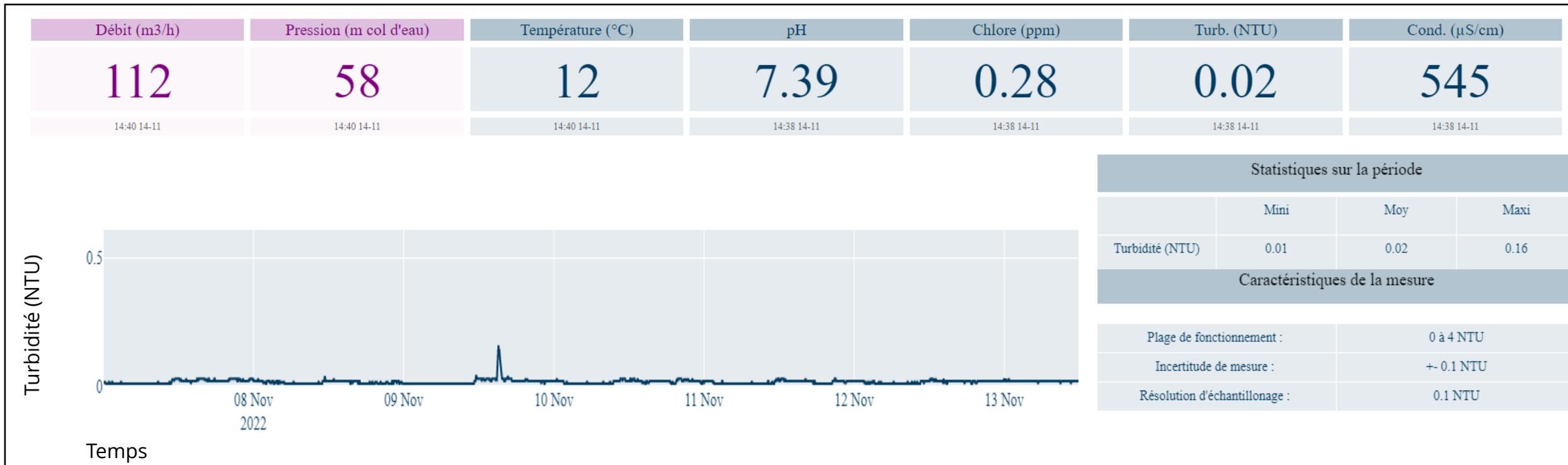
# INSTALLATION

SITE CONFIGURATION		
Pipe	mm	DN 200
Average flow	m <sup>3</sup> /h	96
Pressure	bar	7
ΔP admissible	bar	0,5



# RESULTS

Installation of the Smart Picogen on 24/08 :Phase 1 until 06/10 Validation of the reliability of the measurements.Phase 2 until 17/11 Integration of the data on the TOPKAPI supervision system of SEMEA



Visualisation du Dashboard en ligne, proposé par Save Innovations



Votre entreprise publique de l'eau

*"The SMART PICOGEN solution completes the tools at our disposal to improve the operation of our drinking water networks while guaranteeing the quality of this resource."*