











Purpose of this focus group

Get feedback from a group of domain experts and identify areas of improvement for our solution to model, deploy and operate IoT systems in WWTPs.

- Modeling of the process block diagram of a plant.
- Modeling of rules to generate alarms according to sensor readings
- Visualization of data collected by sensors and alarms

Methodology

Presentation

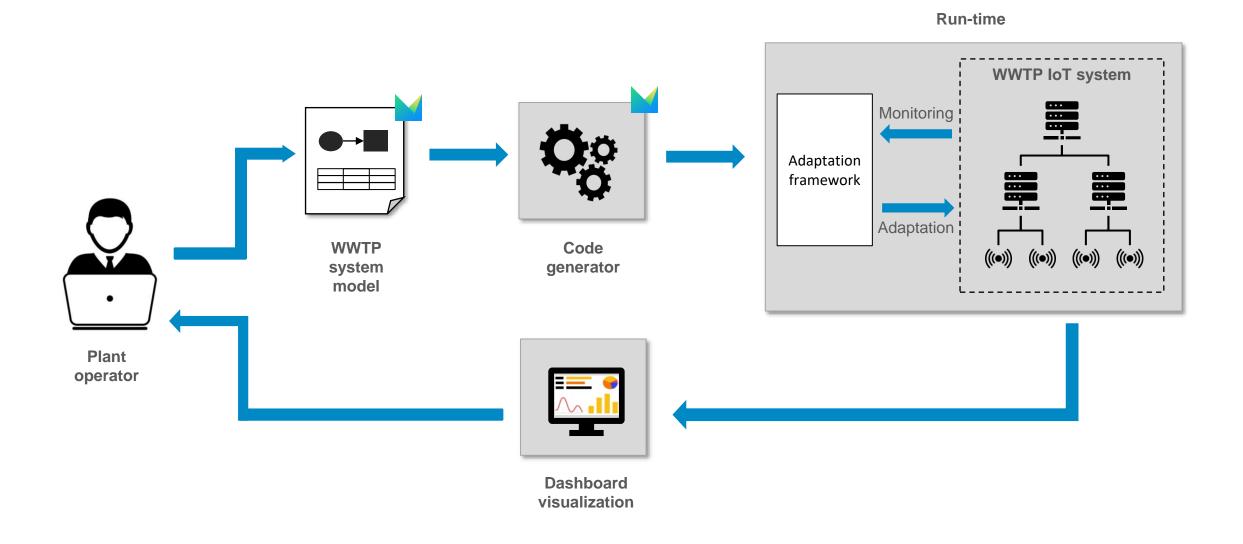
Topics and Questions

Discussion

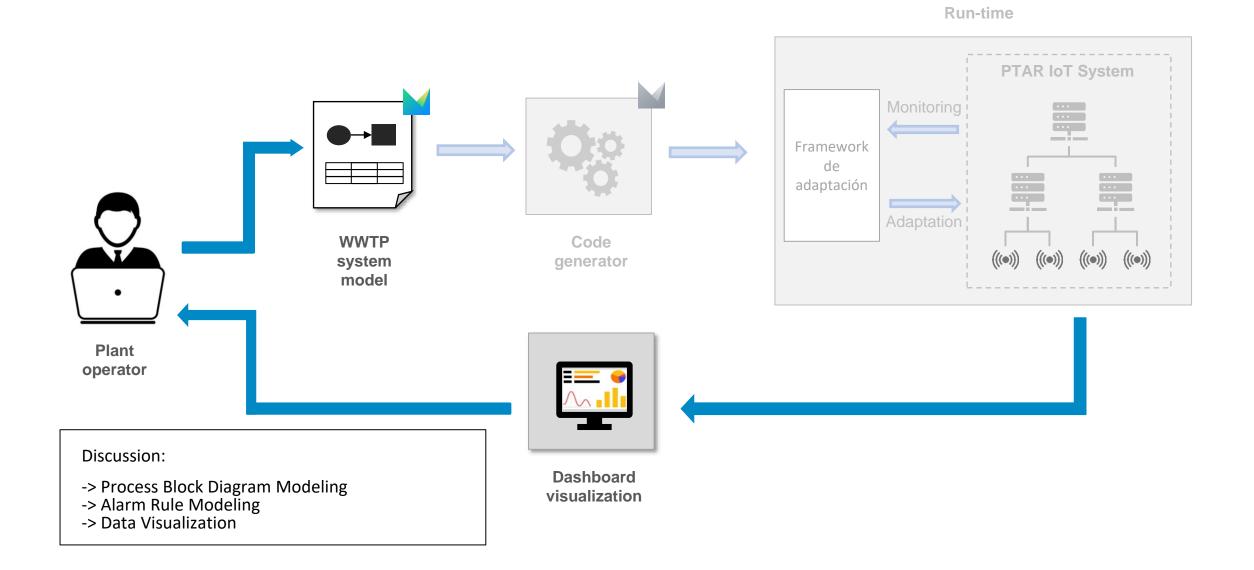




Context



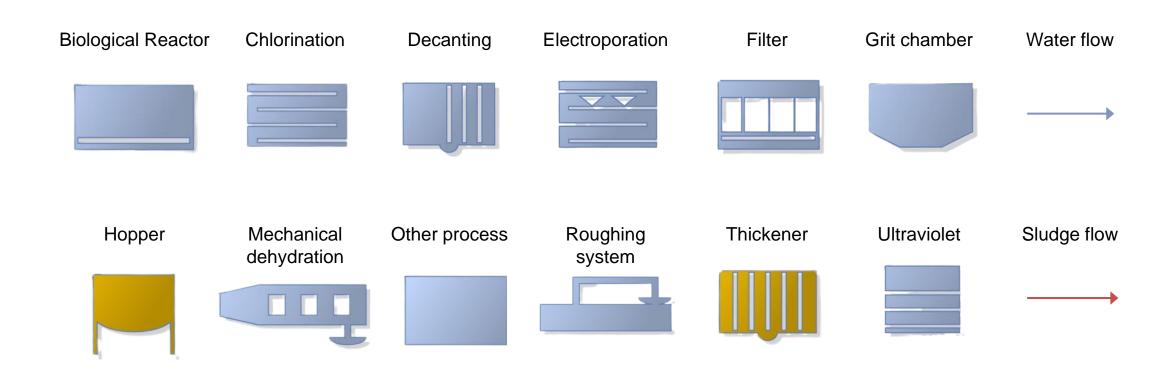
Context





Approach DEMO

Unit operations



Discussion...

Process block diagram modeling

- 1. How are these types of diagrams modeled/drawn within your company?
- 2. Do you think it is clear and understandable to model the plant block process diagram designed using this graphical language?
- 3. Are there any relevant aspects or information of the plant that cannot be captured by this model at present?
- 4. What are the advantages/disadvantages of this solution?

Discussion...

Rules specification

- 1. Do you know/use any tool to configure and generate alarms with the information collected by sensors of a monitoring system in the plant?
- 2. Do you think that the nomenclature to define alarms based on the data collected by the sensors is clear and understandable?
- 3. Would you change or include any aspect in the system for the configuration and generation of alarms?
- 4. What are the advantages/disadvantages of this solution?

Discussion...

Data sensor visualization and rules

- Do you think that the data displays and alarms are clear and allow you to consult the relevant information adequately?
- 2. Is there relevant information for the plant operator that should be included in the data display panel?
- 3. What are the advantages/disadvantages of this solution?

In general, do you think this type of system could be implemented/integrated to support plant operation?