



Annex 4 - Challenge Template

1. Name of the challenge:

- Development of a robotized system for cocktail preparation

2. Context:

- A numeric keypad and a LCD screen are used to select the desired cocktail, and the robotic module positions the glass in succession on the corresponding ingredients tanks, which are automatically dosed on the basis of pre-introduced recipes, after the operations are completed, the cup is output from the module.

3. Problem:

- The implementation of the system develops the solvers potential for using dosing devices, digital transport control systems with precise positioning and programming of controllers.

4. Additional info (for internal use):

- The team has to offer a concept that will be further developed together with company specialists and implemented into a prototype.

5. Skills of the team (for internal use):

- Knowledge of working with PLC-based management systems, application of sensors and actuators in automation, programming languages C ++, FBD and Java programming under Android

5. About the Seeker: