

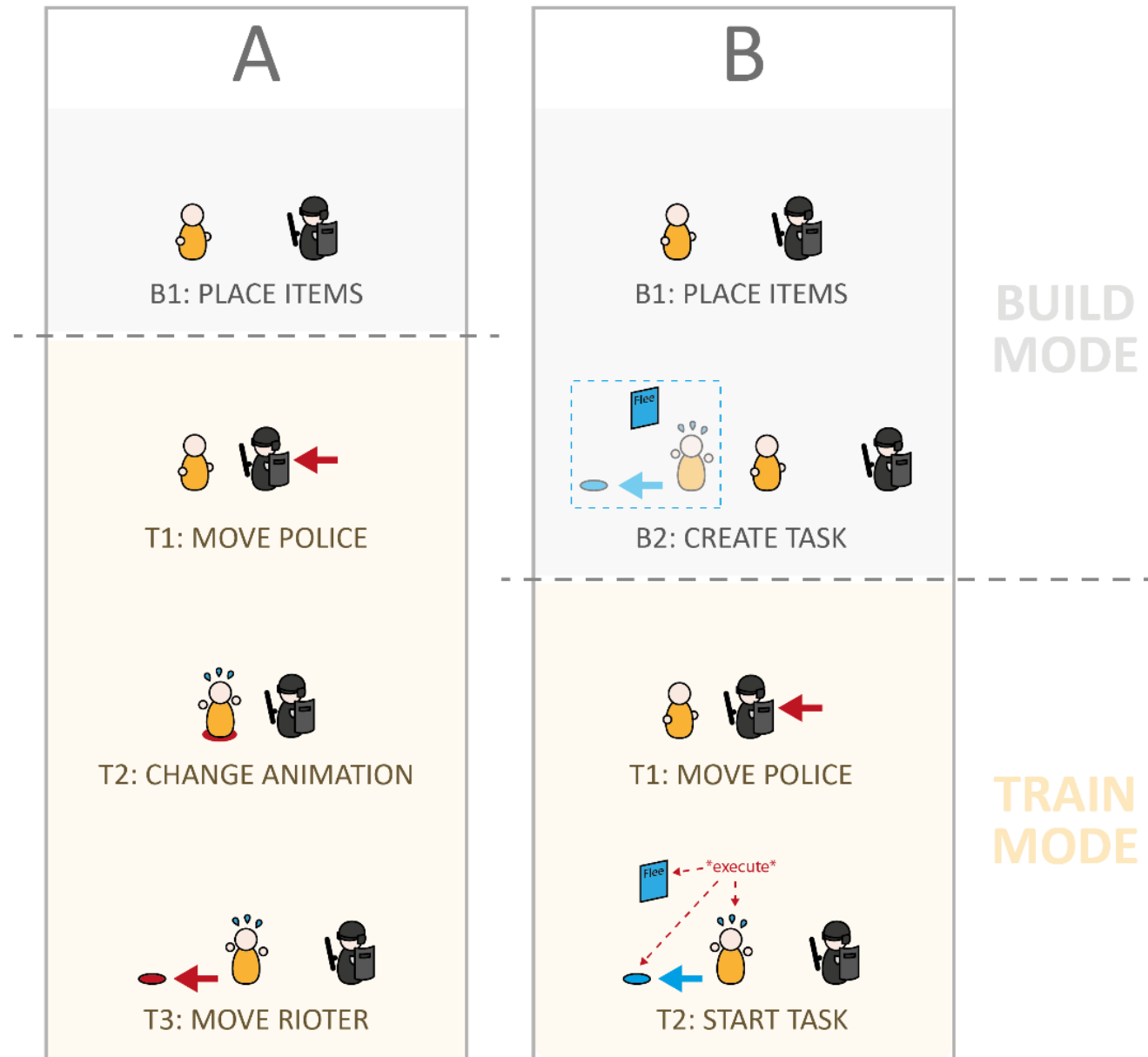
INTRODUCING AUTONOMOUS BEHAVIOUR IN INSTRUCTOR-LED VIRTUAL REALITY TRAINING

INSTRUCTOR IN CONTROL

- **Maquette-like environment**
- **Manipulating items both before (build-mode) and during a training session (train-mode)**
- **‘Full control’ burdens instructor when having large amount of items (crowds)**



INSTRUCTOR MANIPULATION

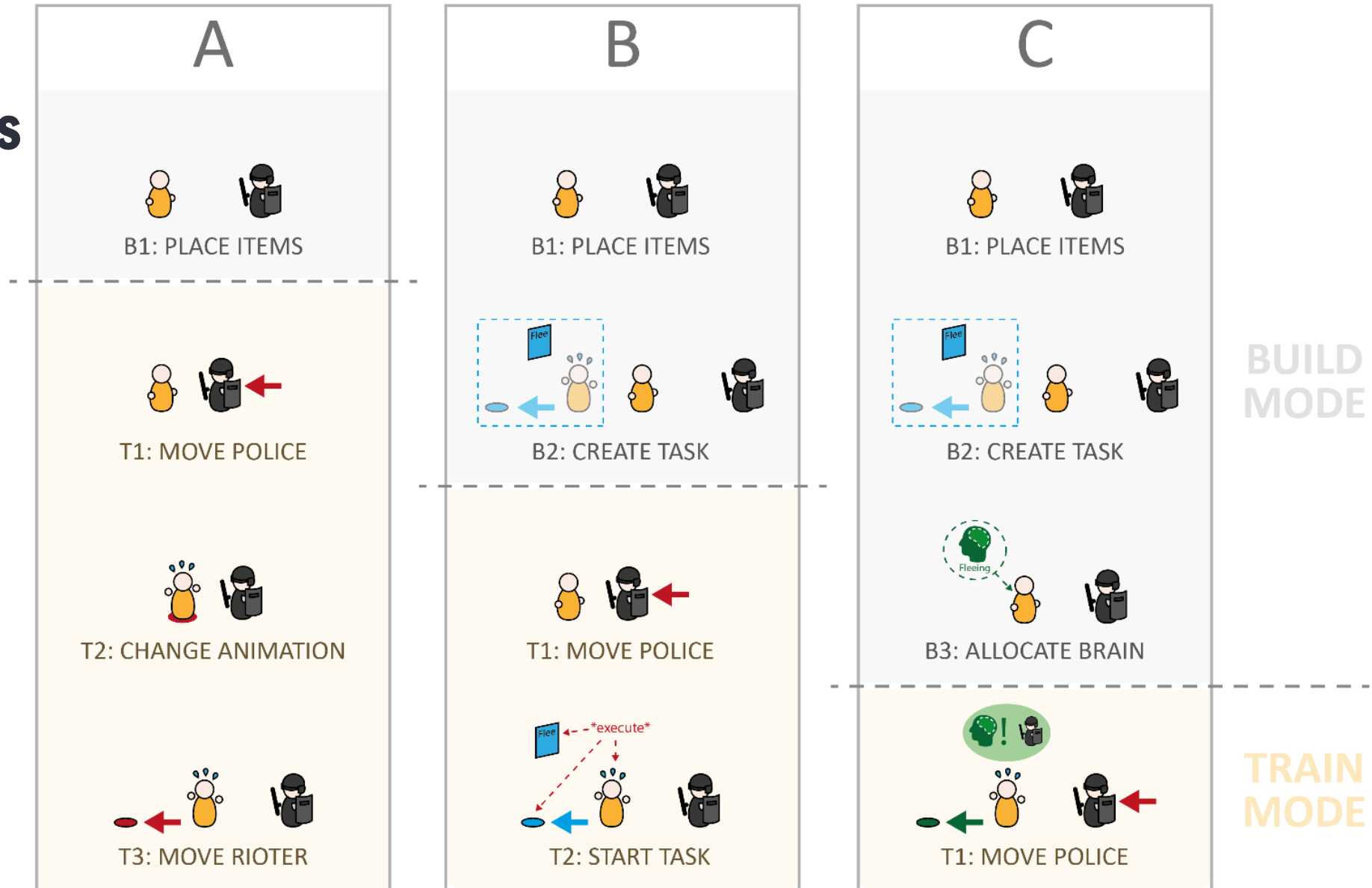


ADDING AUTONOMOUS BEHAVIOUR

- **Understandable by instructor**
- **Handling interventions during training**
- **Easily defined by instructor**



ADDING AUTONOMOUS BEHAVIOUR

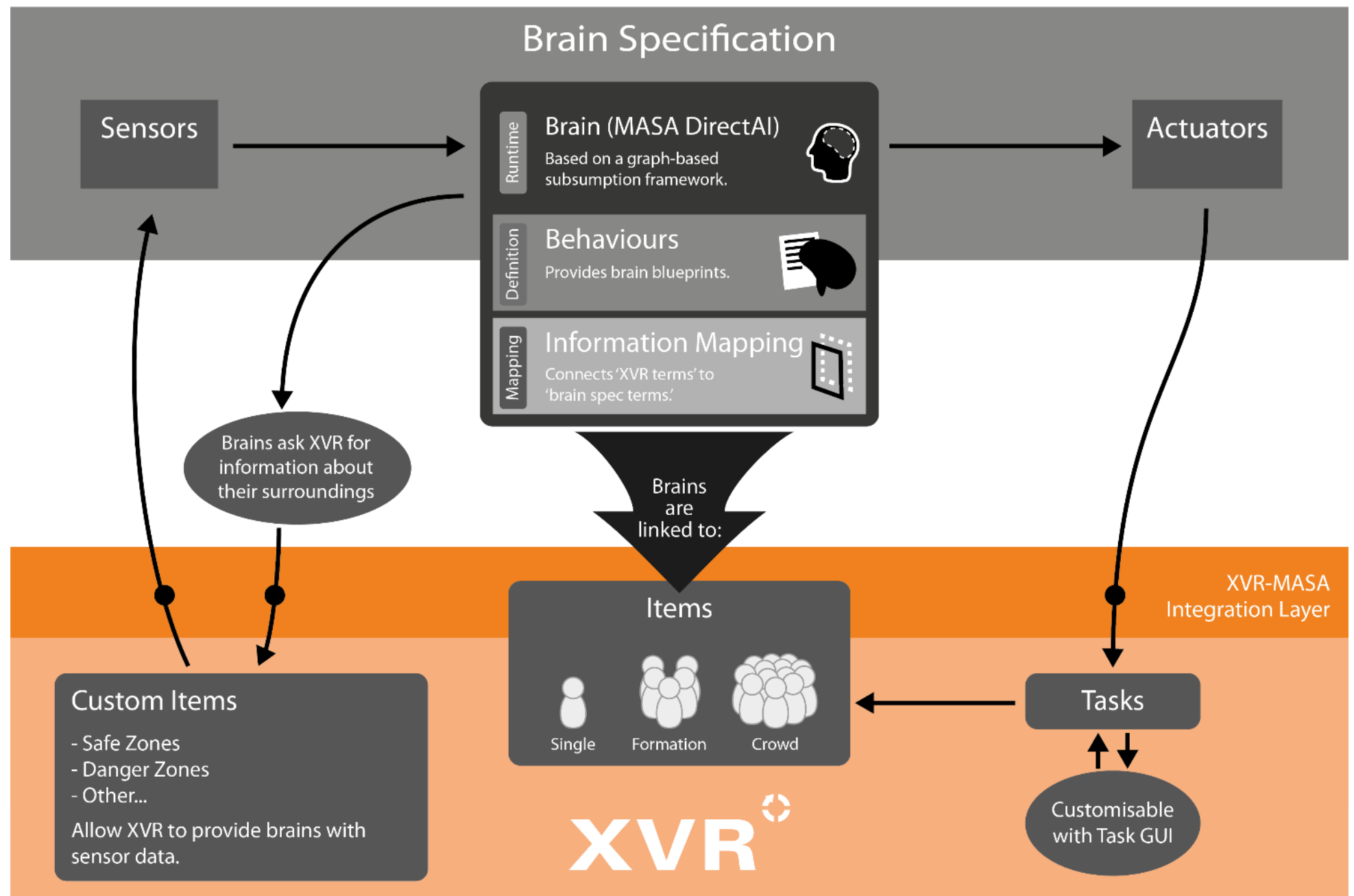


ADDED CONCEPTS

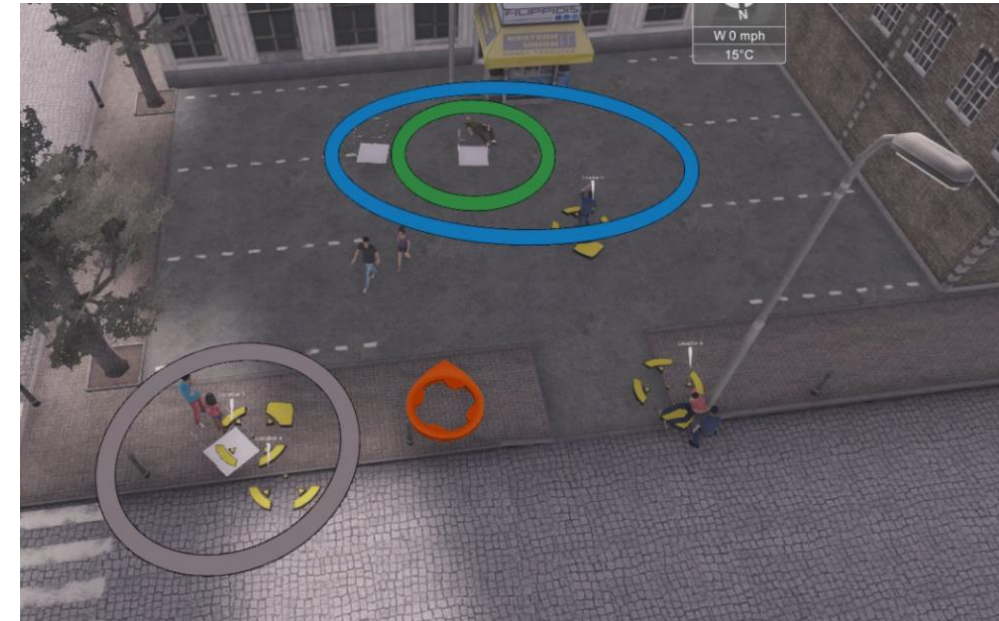
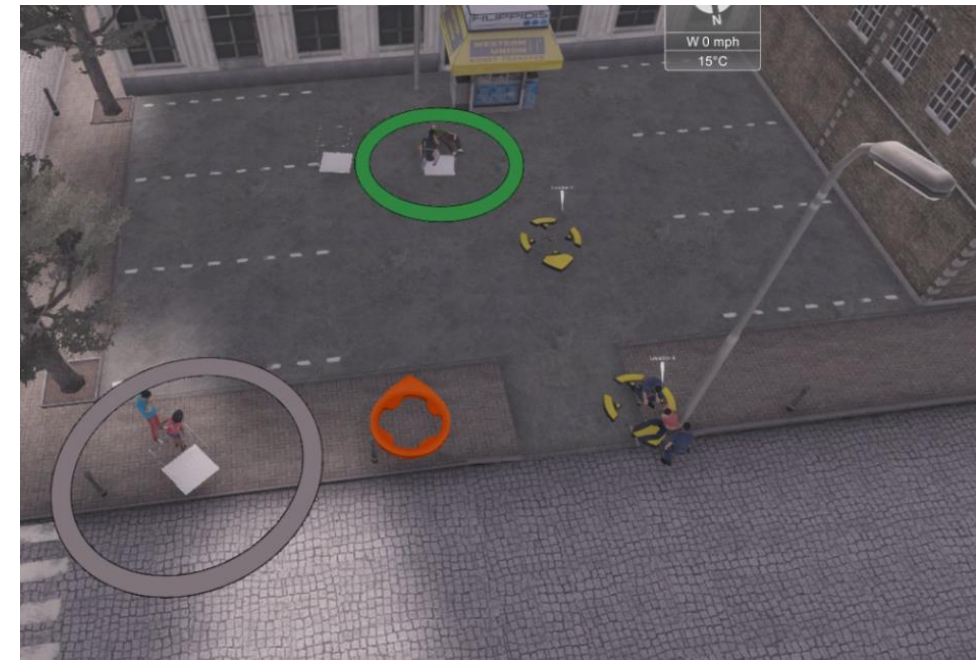
- **Sensor:** zones configurable by instructor
- **Actuator:** tasks configurable by instructor
- **Behaviour:** decision making logic defined by behaviour specialist
- **Brain:** contains behaviours configurable by instructor
- **Body:** item(s) connected to brain



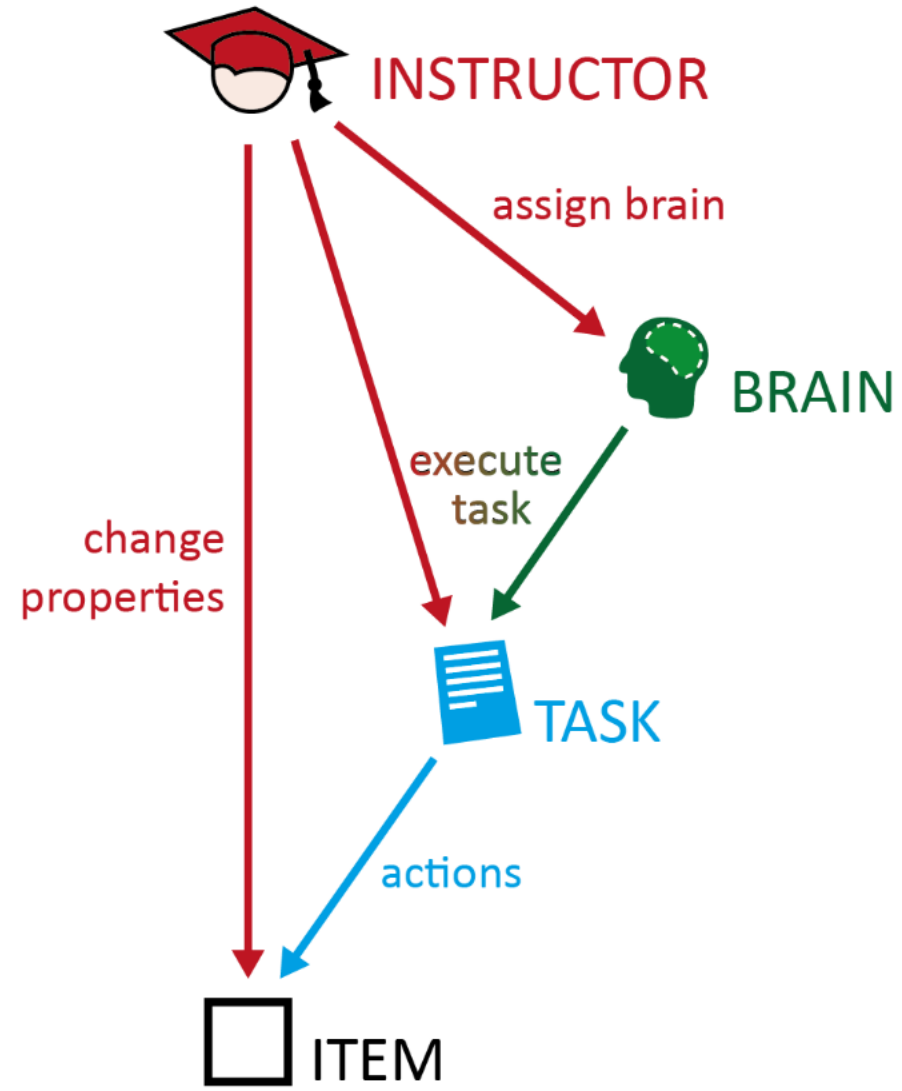
INTEGRATION



IMPLEMENTED BEHAVIOURS



INSTRUCTOR REMAINS IN CONTROL



CONCLUSION

- **Instructor understanding autonomous behaviour by integrating it in instructor's context**
- **Possibility to configure and intervene in the behaviour (changing sensors, actuators, minor behaviour properties, stopping brains)**



QUESTIONS?