**Main Requirements Specification**

**We are considering two scenarios for our RavioliRobot:**

1. Operating on a collapsed building caused by an earthquake.
2. Operating on water due to a plane crash that ended up in the ocean.

**Requirements:**

* The robot should examine the territory in order to detect people.
* If people are detected, the robot should notify the Central System of the Rescue Team.
* The robot should provide communication interfaces so that the people in danger can communicate with the Rescue Team.
* The robot should be able to sense smoke, heat, gas, humidity and some basic air parameters.
* All the information gathered by the sensors should be transmitted to the Central System.
* The robot should provide some essential helping tools like: oxygen masks, lifebelts or medicine.