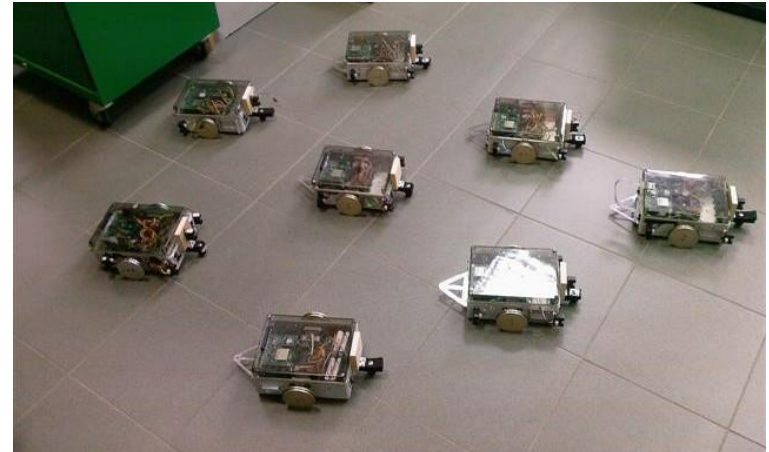


Project: Autonomous Robots and Swarms

What do we mean by Swarm

- A swarm is a network of semi-autonomous robots that work together to carry out a mission.
- Swarm capacity: Route planning, obstacle mapping, information sharing, swarm communication with the supervisor.



Project: Autonomous Robots and Swarms

What do we mean by Swarm

- The swarm architecture was developed by emulating the characteristics of what is found in nature.
1. The weight of the single element is negligible compared to the swarm. If eliminated the swarm continues to "work" well.
 2. Communications take place with the whole swarm. Each element communicates with the closest ones, sharing the information coming from the sensors.
 3. The mission is carried out independently thanks to the cooperation between the elements