

## **2.6.1. Advanced Robotics**

**Targeted objectives: Networked & cooperating robots**

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# ROCOCO: Autonomous robots coordination in constrained spaces

## Proposal addressing the objective:

*Networked and cooperating robots:* embedding robotic systems in surrounding smart IT infrastructure for enabling their integration, evolution and task/service provision in everyday environments;

- **Targeted research activities**
  1. Development of a middleware platform for the cooperation of autonomous mobile robots
  2. Intelligent embedded hardware module
  3. Modular sensor platform
  4. *Built-in intelligence, decision and coordination*
  5. Pilot demonstration test
- **Consortium core partners:**
  1. NCSR Demokritos
  2. *BIBA*
  3. *MARAC*
  4. *Zenon*
- **Expertise sought:**
  - *Mobile Robot manufacturer*
  - *Shipyard*
  - *Surveillance company*

