

# euRathlon 2015

17<sup>th</sup> - 25<sup>th</sup> September 2015,

Piombino, Italy

## Team Information Form

### Team Details

Team Name: Robdos Team Underwater Robotics

Institution/Company: Robdos SRL/ Universidad Politécnica de Madrid

Logo (attach or insert here):



Website: <https://www.facebook.com/robdosteam>

Home location of team: Madrid

Name of team leader: Guillermo Zaragoza Prous

Picture of team leader (attach or insert here):



When was the team established (year): 2014

Team Description (including names of the team members):

Team Leader: Guillermo Zaragoza Prous

Expert in acoustics: Eduardo Iscar Rüländ

Expert in navigation: Alejandro Méndez Guevara

Expert in navigation and electronics: Leonardo Gómez Figueroa

Expert in computer vision: Andrés Martín Barrio

Expert in control: Miguel Adáñez García-Villaraco

Expert in artificial intelligence: Luis Paarup Peláez

Expert in artificial intelligence: Pablo Rodríguez Palafox

Expert in programming: Alejandro José Povo Retana

Team Sponsors (if any): Robdos SRL, Universidad Politécnica de Madrid

### Contact Details

Team E-mail: robdosteam@gmail.com

Institution/Company: Robdos SRL / Universidad Politécnica de Madrid

Address: Avenida Arco de la Victoria, N°4, Ciudad Universitaria, 28040, Madrid

Telephone: -

Fax: -

If you are a single- or two-domain team, do you wish to team-up before or during the competition to create a multi-domain team?

Yes: \_\_\_\_\_ No:   X  

*NOTE: To further promote multi-domain teams, teams who participate in any combined scenario, or wish to team-up (before or during the competition), will be given priority over teams that register for single-domain trials only.*

## euRathlon 2015 Scenarios selection

Please check all scenarios you wish to enter and give the name(s) of the robot(s) you plan to use in each scenario.

euRathlon 2015 Scenarios		Domain	Name of the robot(s)
	The Grand Challenge: Combined air, land and sea.	Air:	
		Land:	
		Sea:	
	Sub-challenge (L+A): Survey the building and search for a missing worker.	Land:	
		Air:	
	Sub-challenge (S+A): Pipe inspection and search for a worker.	Sea:	
		Air:	
	Sub-challenge (L+S): Stem the leak.	Land:	
		Sea:	
	Land Trial (L1): Reconnaissance in urban structure.	Land:	
	Land Trial (L2): Mobile Manipulation (valve open/closing).	Land:	

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✓	Sea Trial (S1): Navigation and environmental survey.	Sea:	Sparus II
✓	Sea Trial (S2): Leak localisation and valve open/closing.	Sea:	Sparus II
	Air Trial (A1): Aerial detection and mapping.	Air:	
	Air Trial (A2): Aerial reconnaissance inside a building.	Air:	

*NOTE-1: This is an indicative table. New robots/scenarios may be added or substituted before the competition, in which case a new vehicle specification sheet and/or updated SAP must be submitted.*

*NOTE-2: If you wish to participate in the Grand Challenge, we strongly recommend that you participate in sub-challenges and trials, as they have been designed as training for the GC. Two-domain and three-domain teams who wish to participate in the Grand Challenge will be expected to participate in a minimum of two sub-challenges and four trials.*