

euRathlon 2015

17th - 25th September 2015,

Piombino, Italy

Team Information Form

Team Details

Team Name: AUV Team TomKyle
Institution/Company: University of Applied Sciences Kiel
Logo (attached in other formats):



TOMKYLE
AUV TEAM

Website: www.fh-kiel.de/index.php?id=13313

Home location of team: Grenzstr. 5
D-24149 Kiel
Germany

Name of team leader: Andreas Kaschube

Picture of team leader (attached):

When was the team established (year): 2013

Team Description (including names of the team members):

The AUV Team TomKyle was founded in 2013 as a cooperation of GEOMAR Helmholtz Centre for Ocean Research Kiel and the University of Applied Sciences Kiel with the aim to develop an autonomous underwater vehicle (AUV) in student projects. Until September 2014 the focus was solely on the preparation for the SAUC-E competition. Currently we are working towards our first research cruises in coastal waters and the euRathlon competition in 2015.

For GEOMAR the AUV, called Robbe 131, provides a relatively low-cost platform for sensor integration and data gathering in coastal waters. For the University of Applied Sciences the AUV provides lots of interesting and practical tasks for the students as topics for their theses and projects.

Team Members:

Sabah Badri-Höher, Björn Berger, Christian Essig, *Deike Fietz*, *Dennis Hagedorn*, Mattes Jähne, Stefan Jensen, *Andreas Kaschube*, *Sebastian Noack*, Marcel Rothenbeck, Christoph Schaub, Emanuel Wenzlaff, *Lars Wolff*, *Ansgar Zimnak* (Those in italics would currently travel to euRathlon 2015)

Team Sponsors (if any):

GEOMAR (www.geomar.de)

SubCtech (www.subctech.eu)

J. Bornhöft Industriegeräte (www.bornhoeft.de)

Meerestechnisches Büro Turla (www.m-b-t.com)

Fischer Connectors (www.fischerconnectors.com)

IBAK (www.ibak.de)

Kontron (www.kontron.com)

Forschungs- und Entwicklungszentrum FH Kiel GmbH (www.fh-kiel-gmbh.de)

Contact Details

Team E-mail: info@auv-tomkyle.de

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Germany

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++49 431 210 4246 (Wolff, Hagedorn)
++49 431 210 4243 (Badri-Höher)

Fax: ++49 431 210 64243

Other information (will not be published)

Proof of citizenship (please attach a scan): a copy of the team leader's ID/passport will do.

Brief CVs of the team members (please attach a pdf)

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:

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:	(x) Robbe 131
	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:	(x) Robbe 131
		Air:	
	Sub-challenge (L+S): Stem the leak.	Land:	
		Sea:	(x) Robbe 131
	Land Trial (L1): Reconnaissance in urban structure.	Land:	
	Land Trial (L2): Mobile Manipulation (valve open/closing).	Land:	
	Sea Trial (S1): Navigation and environmental survey.	Sea:	x Robbe 131
	Sea Trial (S2): Leak localisation and valve open/closing.	Sea:	x Robbe 131
	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.

Send form to: ferri@cmre.nato.int

NOTE: The information in this form, except the proof of citizenship and CVs, will be published on the website. If you wish to keep some information private, please let us know.