

RESULTS - euRathlon 2015

17-25 September 2015, Piombino, Italy

For more information refer to **euRathlon 2015 benchmarking and scoring** schema

[http://www.eurathlon.eu/wp-](http://www.eurathlon.eu/wp-content/uploads/2015/08/Benchmarking_scoring_euRathlon2015_v3_2.pdf)

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The Grand Challenge (Land + Sea + Air)

Summary (Total Scores/Numbers)						
Teams	COBHAM + ISEP/INESC + UDG	ENSTA 2	ENSTA 1	B.R.A.I.N + UNIFI	BEBOT + TOMKYLE	ICARUS
Achievement(A)	40.5	3.3	21	7	31.5	26
Optional Achievement (OA)	8	4	3	3	9.5	9
Autonomy Class (AC)	9	3	2	1.2	5.5	15.565
Video describing vehicle (V)	0	0	0	0	0	0
Key Penalty (KP)	0	16	3	5	2	2
Penalties (P)	3	0	0	0	0	0
T (Time)	100	100	100	100	76	100
Overall Result						
*S=A+OA+0.5*AC+V-KP	53	0	22	5.6	41.75	40.7825
Autonomy Class (AC)	9	3	2	1.2	5.5	15.565
Penalties (P)	3	0	3	0	0	0
T(Time)	100	100	100	100	76	100
Rank	1st	---	3rd	4th	2nd=	2nd=

*Negative numbers rounded up to zero.

Sub-Challenge (Land + Air): Survey the building and search for a missing worker

Summary (Total Scores/Numbers)				
Teams	ISEP/INESC + COBHAM	BEBOT	ICARUS	ENSTA 1
Achievement(A)	19	15	9	15
Optional Achievement (OA)	3	4	4	5
Autonomy Class (AC)	1	0	8.425	0
Video describing vehicle (V)	0	0	0	0
Key Penalty (KP)	0	1	2	0
Penalties (P)	0	0	0	0
T (Time)	19	44	45	35
Overall Result				
*S=A+OA+0.5*AC+V-KP	22.5	18	15.21215	20
Autonomy Class (AC)	1	0	8.425	0
Penalties (P)	0	0	0	0
T(Time)	19	44	45	35
Rank	1st	3rd	4th	2nd

**Negative numbers rounded up to zero.*

Sub-Challenge (Land + Sea): Stem the leak

Summary (Total Scores/Numbers)				
Teams	UNIFI + B.R.A.I.N.	TOMKYLE + BEBOT	UDG + COBHAM	ICARUS
Achievement(A)	2	13	18	20
Optional Achievement (OA)	0	3	3	3
Autonomy Class (AC)	0	2	4	3
Video describing vehicle (V)	0	0	0	0
Key Penalty (KP)	0	1	0	5
Penalties (P)	0	0	0	0
T (Time)	60	60	57	60
Overall Result				
*S=A+OA+0.5*AC+V-KP	2	16	23	19.5
Autonomy Class (AC)	0	2	4	3
Penalties (P)	0	0	0	0
T(Time)	60	60	57	60
Rank	4th	3rd	1st	2nd

**Negative numbers rounded up to zero.*

Trial (Land 1): Reconnaissance in urban structure

Summary (Total Scores/Numbers)							
Teams	B.R.A.I.N	COBHAM	BEBOT	ICARUS	ENSTA 2	ENSTA 1	SARRUS
Achievement(A)	0	10	7	1	0	1	5
Optional Achievement (OA)	1	1	3	1	1	3	3
Autonomy Class (AC)	2.5	0	3.9	0	0	0	0
Video describing vehicle (V)	0	0	0	0	0	0	0
Key Penalty (KP)	3	0	1	3	2	4	1
Penalties (P)	0	0	0	0	0	0	0
T (Time)	44	19	60	45	55	45	60
Overall Result							
*S=A+OA+0.5*AC +V-KP	0	11	10.95	0	0	0	7
Autonomy Class (AC)	2.5	0	3.9	0	0	0	0
Penalties (P)	0	0	0	0	0	0	0
T(Time)	44	19	60	45	55	45	60
Rank	---	1st=	1st=	---	----	---	2nd

**Negative numbers rounded up to zero.*

Trial (Land 2): Mobile Manipulation (valve closing)

Summary (Total Scores/Numbers)							
Teams	BEBOT	COBHAM	B.R.A.I.N	ENSTA 2	ICARUS	ENSTA 1	SARRUS
Achievement(A)	5	6	0	1	3	4	2
Optional Achievement (OA)	1	1	1	1	1	1	1
Autonomy Class (AC)	0	0	0	3	0.5	0	3
Video describing vehicle (V)	0	0	0	0	0	0	0
Key Penalty (KP)	2	0	0	6	0	3	1
Penalties (P)	0	0	0	0	0	0	0
T (Time)	45	20	45	45	37	41	45
Overall Result							
*S=A+OA+0.5*AC +V-KP	4	7	1	0	4.25	2	3.5
Autonomy Class (AC)	0	0	0	3	0.5	0	3
Penalties (P)	0	0	0	0	0	0	0
T(Time)	45	20	45	45	37	41	45
Rank	2nd=	1st	5th	----	2nd=	4th	3rd

**Negative numbers rounded up to zero.*

Trial (Sea 1): Navigation and environmental survey

Summary (Total Scores/Numbers)					
Teams	TOMKYLE	AUGA	ENSTA 1	ICARUS	UDG
Achievement(A)	1	4	3	3	6
Optional Achievement (OA)	0	0	2	0	1
Autonomy Class (AC)	0	3	2	0	3
Video describing vehicle (V)	0	0	0	0	0
Key Penalty (KP)	0	0	0	0	0
Penalties (P)	0	0	0	0	0
T (Time)	60	60	60	60	60
Overall Result					
*S=A+OA+0.5*AC+V-KP	1	5.5	6	3	8.5
Autonomy Class (AC)	0	3	2	0	3
Penalties (P)	0	0	0	0	0
T(Time)	60	60	60	60	60
Rank	5th	3rd	2nd	4th	1st

**Negative numbers rounded up to zero.*

Trial (Sea 2): Leak localisation and valve closing

Summary (Total Scores/Numbers)							
Teams	ENSTA 1	AUGA	ICARUS	OUBOT	UNIFI	UDG	ROBDOS
Achievement(A)	4	4	1	2	2	10	1
Optional Achievement (OA)	2	1	0	1	0	3	1
Autonomy Class (AC)	2	2	0	2	2	10	1
Video describing vehicle (V)	0	0	0	0	0	0	0
Key Penalty (KP)	0	0	0	0	0	0	0
Penalties (P)	0	0	0	0	0	0	0
T (Time)	60	60	60	58	60	55	60
Overall Result							
*S=A+OA+0.5*AC +V-KP	7	6	1	4	3	18	2.5
Autonomy Class (AC)	2	2	0	2	2	10	1
Penalties (P)	0	0	0	0	0	0	0
T(Time)	60	60	60	58	60	55	60
Rank	2nd	3rd	7th	4th	5th	1st	6th

**Negative numbers rounded up to zero.*

Trial (Air 1): Aerial Detection and Mapping

Summary (Total Scores/Numbers)					
Teams	UNIFI	ENSTA 1	ENSTA 2	ICARUS	ISEP/INESC
Achievement(A)	1	0	0	9.6	3
Optional Achievement (OA)	0	0	0	4	2
Autonomy Class (AC)	0	0	0	4.6	0.5
Video describing vehicle (V)	2	2	2	2	2
Key Penalty (KP)	1	0	0	0	0
Penalties (P)	0	0	0	0	0
T (Time)	28	20	20	8	8
Overall Result					
*S=A+OA+0.5*AC+V-KP	2	2	2	17.9	7
Autonomy Class (AC)	0	0	0	4.6	0.5
Penalties (P)	0	0	0	0	0
T(Time)	28	20	20	8	8
Rank	4th	3rd=	3rd=	1st	2nd

**Negative numbers rounded up to zero.*

Trial (Air 2): Aerial Reconnaissance inside a building

Summary (Total Scores/Numbers)		
Teams	ENSTA1	ENSTA 2
Achievement(A)	1	4
Optional Achievement (OA)	1	1
Autonomy Class (AC)	0	0
Video describing vehicle (V)	0	0
Key Penalty (KP)	2	7
Penalties (P)	0	0
T (Time)	30	20
Overall Result		
*S=A+OA+0.5*AC+V-KP	0	0
Autonomy Class (AC)	0	0
Penalties (P)	0	0
T(Time)	30	20
Rank	---	---

**Negative numbers rounded up to zero.*