



התאחדות לנהיגה ספורטיבית מכוניות וקארטינג בישראל

מכשירי מדידה ואוגרי נתונים במרוצי ספורט מוטורי

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פעילות ההתאחדות

- משרד התרבות והספורט באמצעות הרשות לנהיגה ספורטיבית משמש כרגולטור וכגורם מפקח על הספורט המוטורי בישראל
- ההתאחדות הוכרה ע"י משרד התרבות והספורט כארגון הגג של פעילות הנהיגה הספורטיבית ברכבי 4 גלגלים
- פעילות ההתאחדות נערכת בהתאם לחוק הנהיגה הספורטיבית התשס"ו-2005
- כללי הספורט המוטורי נקבעים בהלימה לכללי הפדרציות הבינלאומיות CIK, FIA
- תחומי פעילות
 - אליפויות ישראל של כל ענפי הספורט מוטורי 4 גלגלים
 - פיתוח וקידום תחומי הנהיגה הספורטיבית בישראל
 - מענה לסוגיות מקצועיות, קביעת תקנונים ונהלים בתחומי הנהיגה הספורטיבית
 - טיפול בספורטאים וטיפול ספורטאים מצטיינים



תחומים וענפים בהתאחדות

• קארטינג

• אספלט

– דראג

– דריפט

– מסלול

Cup, פורמולה 1000,
פורמולה ויי

• עפר

– ראלי ספרינט

– ראלי

– ראלי קרוס

• שטח

– ראלי רייד

– עבירות

נתוני פעילות

<u>2018</u>	<u>2017</u>	
138	29	אירועי נהיגה ספורטיבית (מרוץ, אימון, הדרכה)
664	229	ספורטאים בארץ*
61	73	תחרויות בחו"ל בהן השתתפו ספורטאים ישראלים



* ספורטאים אשר השתתפו באירוע נהיגה ספורטיבית אחד לענף לפחות, כאשר מרבית הספורטאים השתתפו ביותר מאירוע אחד וביותר מענף אחד.

“East European Tout Terrain Series 2019”

BAJA DESERT ISRAEL 70	RALLY GREECE OFFROAD	BAJA 500 ROMANIA	4V RALLY RAID	BAJA TROIA TURKEY	BAJA GREECE
			 4VENTURE		
					
27-30.3.2019	06-09.06.2019	28-30.06.2019	25-28.07.2019	03-06.10.2019	08-10.11.2019 **

**Reserved event to be coupled with other event or if another race is cancelled.



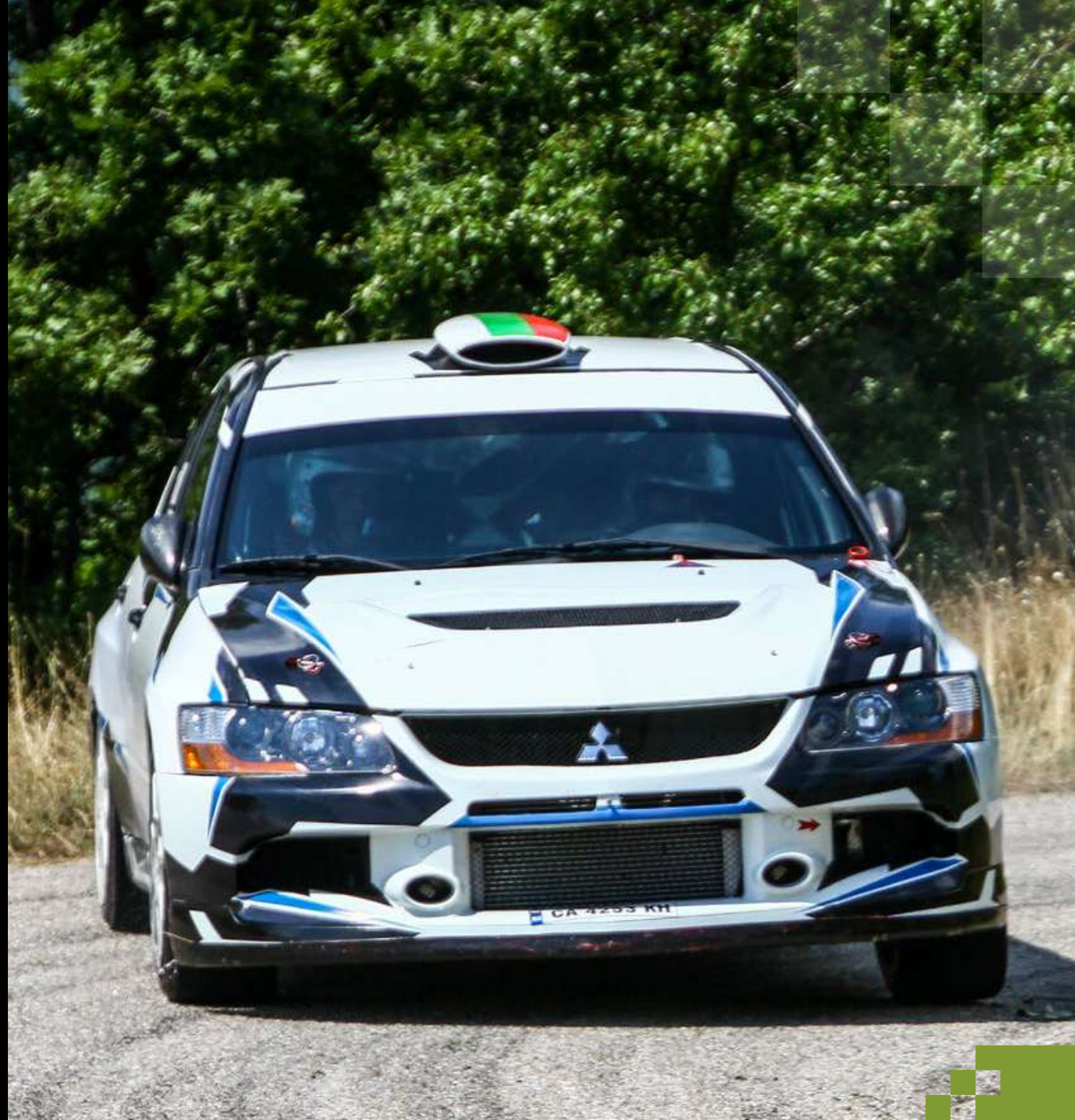
RALLY CONTROL SYSTEM

Event Management
and
Control Solutions



ABOUT THE SYSTEM

- Total rally control based on the latest technologies in Vehicle Tracking, Communication and Data processing.
- Safety as highest priority of the rally management and effective dispatch of rescue services.
- Easy operation with automatic actions based on custom scenarios and procedures.
- Interactive Data base solution for global management - administration, tracking, timing, result processing, rescue services and publicity of rally events.
- Developed by active Drivers and Officials.
“From racing seat to code-base in five minutes”.
Fastest response for custom solutions on the market.



SYSTEM MODULES

EVENT MANAGEMENT

Interactive online portal for handling entries, competitors' data, finances and communication. Pre-administrative check by validation of uploaded documents. Full competitors' dossier with performance statistics and history of achievements.

RALLY CONTROL CENTER

Online platform for real time monitoring, intervention and control while running the event. Latest technology of satellite tracking, connections and data analysis. Proven procedures for handling critical incidents and management of rescue forces.

TIMING AND RESULTS PROCESSING

High precision timekeeping with FIA certified devices, connected to the system. State of the art technology for validation and control of results by synchronizing timing and GPS data. "Artificial intelligence" algorithm for prevention and detection of human error.



BENEFITS

EASY ADMINISTRATION AND DATA STORAGE

Having created it's personal account in the system, the competitor manages easy and fast all administrative procedures online from the entry to the payment. The organizer has full executive view on registered data and can automatically process it for further event purposes. Web based access 24/7.

HIGHEST SAFETY AND FASTEST RESPONSE

With the rally virtually “taking place live” on monitors in the control room, fast and accurate decisions can be taken based on real time data. Execution of orders and deployment of forces is done prompted and proper. Chronological record of any incident or breach of regulations is kept throughout the event.

PRECISE, CLEAR AND RAPID RESULTS

The technology for processing data from TAG-Heuer timing equipment and GPS tracking devices guarantees accurate time records and automated validation of control points. Processing of results, application of penalties, preparation of classifications are done by click of a button.



GOOD FOR:

ORGANIZERS

From club events to international competitions - the system implements the latest FIA requirements on satellite tracking, timing and safety.

MOTORSPORT DISCIPLINES

The system meets the FIA requirements for sports & regularity rallies, cross-country rallies & bajas and any kind of motorsport events not run on circuits.

VEHICLES

No matter if used on motorbikes, quads, side-by-side vehicles, cars or trucks, the hardware is easily fitted and power supplied.



STRUCTURE

INPUT:

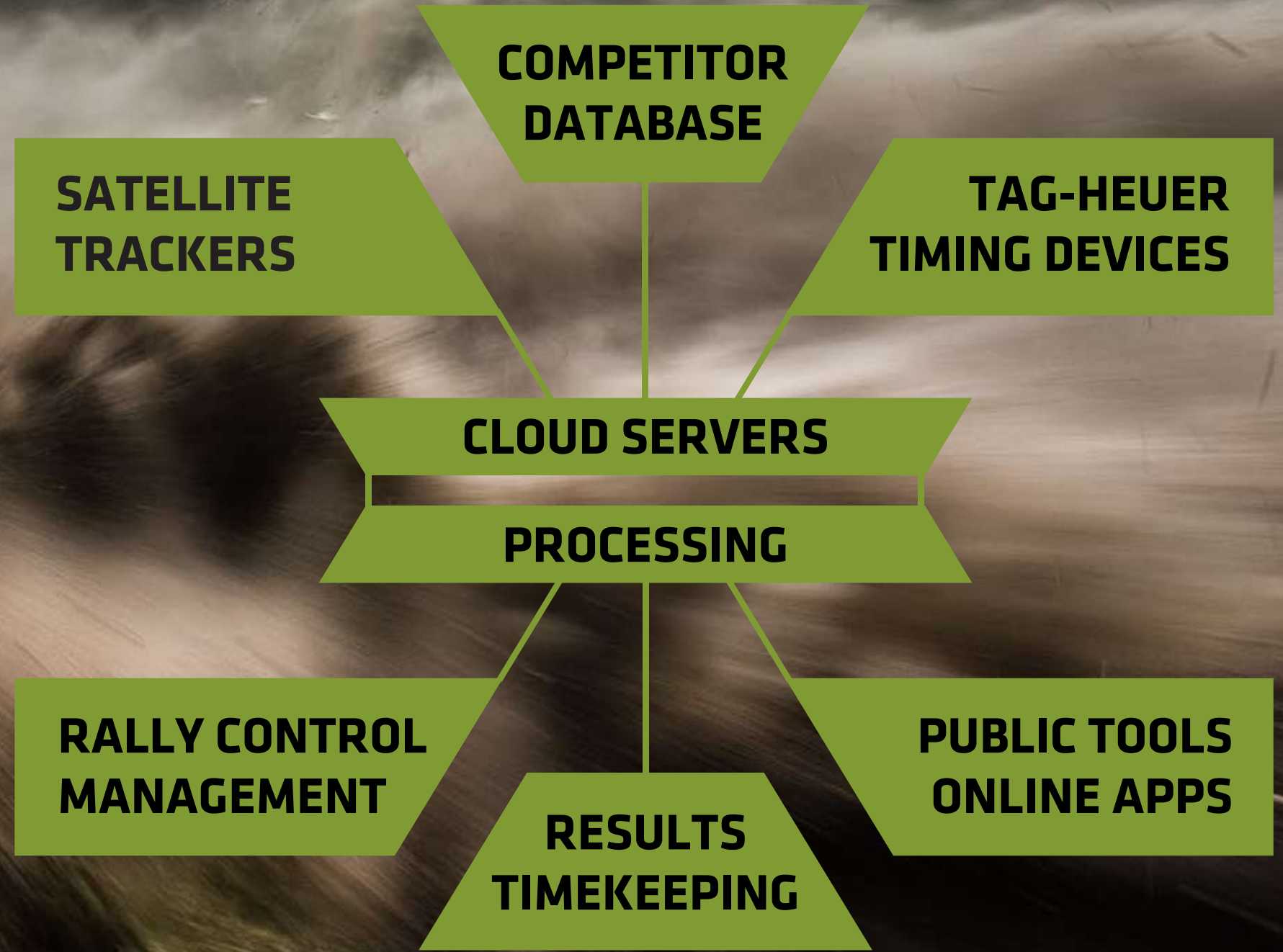
Personal data
Live tracking data
Timing data

PROCESSING:

Evaluation of data
Custom scenarios and procedures
Artificial intelligence algorithms

OUTPUT:

Live Tracking & Results
Rally control center
Public web view



SATELLITE TRACKER



FEATURES

- GPS & GLONASS satellite systems
- High class GPRS communication
- High sensitivity internal antennas
- Li-Po rechargeable battery
- Build in precise accelerometer
- IP67 rating



BENEFITS

- High accuracy in positioning
- Easy fitting by cable ties
- Low power consumption
- Standard power connectors
- DC 6-30V power supply
- High capacity memory storage

COM-BOX



FEATURES

- SOS alarm
- Hazard beacon
- Overtake request
- “Red flag” notification
- RFID transmission



BENEFITS

- Vehicle-to-Vehicle communication
- Vehicle to Rally Control communication
- Flashlight signal
- Buzzer connection
- “Good stop” confirmation

“NEXT LEVEL”

- Latest in Rally Control Technology
- 7” high contrast display
- Iridium satellite & 4G communication
- GPS + GLONASS positioning
- Radio & Wifi “Mesh Network”
- External high sensitivity antennas
- Smart OTR with position verification
- Voice and Video communication
- FIA Cross Country Rally Navigation
- Safety and Hazzard beacons
- Digital Road book & Time card
- Integrated RFiD identification
- High capacity internal battery
- IP 65 rating
- Easy fitting and wiring



**Model under development*

TAG-HEUER TIMING



FEATURES

- TAG-Heuer precision
- FIA certified timing equipment
- Time record print-out
- Long lasting battery
- Multiple timing options
- RFiD reading



BENEFITS

- Direct communication with server
- Backup SMS transmission
- Flying-finish to Stop control communication
- World standard in sports timing

CHRONO-TABLET



FEATURES

- Android based timing software
- LTE data transmission
- GPS synchronization
- Multiple control point IDs
- Access to Timing Control Module



BENEFITS

- Easy solution for Time & Passage controls
- Reliable software
- Ease of operation
- Direct communication with Chief Timekeeper via App

RALLY CONTROL

- The Rally Control module offers full view and command while running the event. The Officials can monitor, evaluate and execute precise actions to keep the safety of drivers, marshals and spectators.
- Streaming of data and processing in real time trigger automated alarms and notifications for any incident or occurrence in the rally stages. The system “keeps an eye” on everyone and everything.
- Reports created from the telemetric data help investigation of accidents and analyzing of risks. It is a great contribution to further development of motorsport safety standards.



OVERVIEW



NR	CREW	CLASS	SS 4: 08:23-17:59, MAX: 05:15	
			START	FINISH
214	TZAHY KAFRI / SHAY REGEV	SSV.2	08:44:01	11:44:19
202	GAL SHACHAM / NIMROD OFIR	T1	08:43:02	11:49:40
212	AMIR ABU MUCH / OMRI ABUMUCH	SSV.2	08:41:01	11:50:10
201	RAZ HAYMANN / HILLEL SEGAL	T1	08:42:02	11:52:12
211	GABRIEL ABERGEL / CHARLY GOTLIB	SSV.2	08:47:02	11:52:41
22	ERAN WOLLENBERG	B.2	09:03:00	12:07:16
209	ALI DOGANER / POLAT EMSEN	SSV.2	08:51:02	12:08:01
15	NIV AHARONI	B.1	09:04:01	12:21:59
16	GADI NACHMANI	B.1	09:09:02	12:22:14
204	MATTIA DI SABATINO / DAVIDE DE ANGELIS	T2	08:48:02	12:37:46
9	BARAK DUDAI	B.2	09:13:00	12:41:18
17	YACOV DADIA	B.2	09:12:01	12:41:18
218	EVANGELOS BERSIS / PANAGIOTIS KALFAS	TH.1	08:50:03	12:41:38
10	GAL TSACHOR	B.2	09:07:02	13:00:47
3	DAN KATANOV	B.5	09:11:01	13:13:12
206	ALI CETIN / SABAHATTIN MUSTAFA DEMIR	SSV.2	08:53:03	13:13:20
217	IOANNHS VORRIAS / ATHANASIOS MPAKAS	TH.3	08:49:03	13:13:26
205	DAVID SHPRONTZ / SHAHAR SHPRONTZ	T2	08:52:02	13:13:55
11	ERAN LEVY	B.2	09:10:02	13:14:24
12	AMIT SADOT	B.2	09:06:02	13:14:56
2	SHMULIK FAUST	B.5	09:14:02	13:16:12
6	ROTEM COSTA	B.3	09:08:02	13:16:24
8	NIR BAKAI	B.2	09:05:01	13:16:24
5	NAFTALI DAHAN	B.3	09:15:02	13:26:58
208	ALI SAIM TEKIN / ABDULLAH ARMAN OZDEMIR	SSV.2	08:55:02	13:35:06
215	SHARON BEN AMI / JONATHAN BEN AMI	SSV.2	08:45:01	17:05:00
207	DANNY PEARL / OMER PEARL	SSV.1	08:56:02	17:16:00
4	ACHINOAM HAREL	B.5	09:16:03	17:36:00
28	Yael Moser	B.1	09:18:00	17:38:00
51	SAGI BURSTIN	ATV	09:19:02	17:39:00
25	SHLOMO COHEN	B.1	09:00:00	—
210	ELIRAN YIFRAH / ADAR MELAMED	SSV.2	09:00:00	—
216	SHLOMO EINY /	SSV.2	09:00:00	—

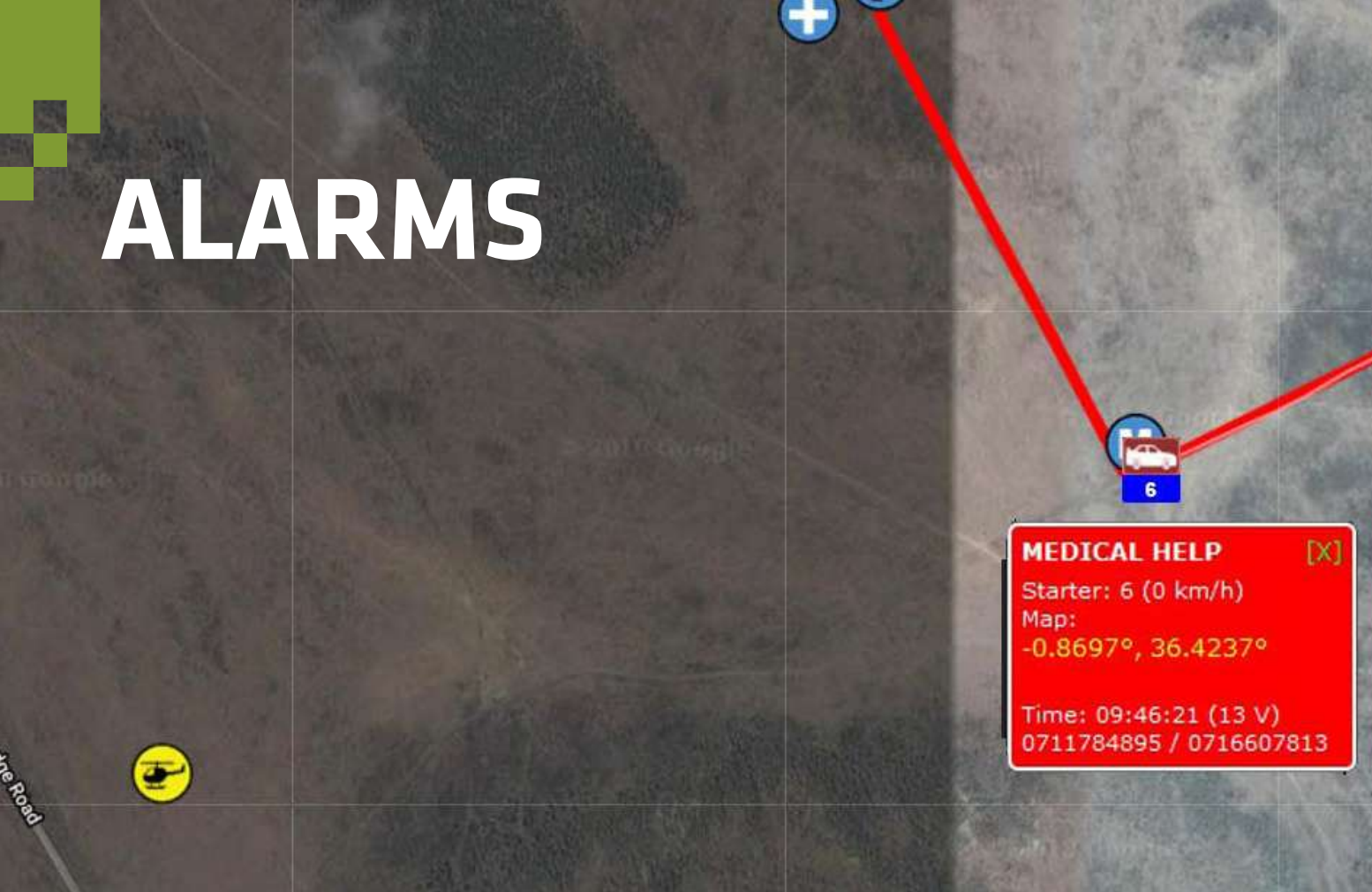


FEATURES

- View complete rally route
- Access live telemetrics of each vehicle
- Create semi-automated Log book
- Check positioning of rescue and recovery forces on the route

Rally progress report screen

ALARMS



Update view

EXPAND CLASSES [v]

EXPAND SAFEZONES [v]

EXPAND MAP LEGEND [v]

- 123 MOVING
- 123 STOPPED
- 123 STANDING > 10 SEC
- 123 ACTIVE SOS REQUEST
- 123 NO UPLINK > 5 MIN



SAFETY PROCEDURE

1. SOS alarm on screen
2. Check location
3. Read G-force data
4. Contact crew
5. Dispatch rescue



Abnormal G-force detection with rapid increase of 3D Vector and fast deceleration - flat landing - possible heavy accident

TIMEKEEPING

- The data streamed from all TAG-Heuer timing devices, Chrono-tablets and GPS track logs is analysed and displayed on an user friendly interface.
- Each record is traced and verified by Geotraq's artificial intelligence algorithms and any deviation is reported for check and validation by an Official.
- The system permanently controls the passage of the route, the reaching of points and the compliance with speed limits.
- In particular cases the special rally-replay-feature is activated to play back the record and investigate the situation.



TIMEKEEPING SCREEN

Competitor's record with data checks and result validation

ROUTE VALIDATION



FEATURES

- Automated check for route completeness.
- Notification for deviations
- Waypoint validation
- Automated speed control checks
- Rally replay and comparison among competitors
- Neutralization zones and times

VIRTUAL CHECKPOINTS - WPM

L1-WPM-01 CARD ☒ TRAC ☒ ☐	L1-WPM-02 CARD ☒ TRAC ☒ ☐	L1-WPM-03 CARD ☒ TRAC ☒ ☐
L1-WPM-04 CARD ☒ TRAC ☒ ☐	L1-WPM-05 CARD ☒ TRAC ☒ ☐	L1-WPM-06 CARD ☒ TRAC ☒ ☐
L1-WPM-07 CARD ☒ TRAC ☒ ☐	L1-WPM-08 CARD ☒ TRAC ☒ ☐	L1-WPM-09 CARD ☒ TRAC ☒ ☐

NoGO CHECKPOINTS - Red = Shortcuted, green = ALL OK

SPEED CONTROL ZONES: PEAK

01-SP-50 CARD 0 TRAC 49 ☐
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An aerial map showing a route marked with a red line and yellow dots. A specific area is highlighted with a red circle around a green 'C' icon labeled L1-WPM-04.

Waypoint validation screen

LIVE APPs

“Follow the event live from everywhere on PC, tablet and phone.”

- Live timing and results help competitors and spectators to see the performance and stay connected to the action.
- Live tracking shows the route, location of the crews and their progress.
- Rally replay gives everyone the chance to play back the event and compare performance.

“Share rally emotion with all spectators via the online tools developed by Geotraq.”

Car/Team	Time/Speed	Diff/Diff
KTM	02:45:43.27	
KTM-YOHANANOF-CAMP FACTORY	78.7km/h	
	02:55:10.79	09:27.52
HORNET ISRAEL	74.4km/h	09:27.52
CanAm X3	03:00:18.66	14:35.39
KAFRI DRIVE	72.3km/h	05:07.87
KTM	03:04:15.51	18:32.24
KTM-YOHANANOF-CAMP FACTORY	70.8km/h	03:56.85
CanAm X3	03:05:40.89	19:57.62
	70.2km/h	01:25.38
Mitsubishi L200	03:06:39.73	20:56.46
RALLIART ITALIA	69.8km/h	00:58.84
KTM	03:07:24.21	21:40.94
KTM-YOHANANOF-CAMP FACTORY	69.6km/h	00:44.48
CanAm X3	03:09:10.04	23:26.77
	68.9km/h	01:45.83

Pos/N	Drivers	Class
1	TAL WAINBERG	GPS.TT
230	NITZAN BUSTAN	
2	ZIV KARMI	GPS.B
19		
3	RAZ HAYMANN	T1.2
201	HILLEL SEGAL	
4	ERAN WOLLENBERG	B.2
22		
5	DAN MAYA	GPS.B
20		
6	AMIR ABU MUCH	SSV.2
212	OMRI ABU MUCH	
7	GUY BITTON	GPS.SSV
229	ELI OHAYON	
8	LIOR SHWARTZ	GPS.B
18		

Car/Team	Time/Pen	Total	Diff/Diff
HORNET ISRAEL	09:31:27.52	09:46:27.52	
	00:15:00		
KTM	09:32:06.88	10:48:06.88	01:01:39.36
KTM-YOHANANOF-CAMP FACTORY	01:16:00		01:01:39.36
CanAm X3	11:00:58.89	11:00:58.89	01:14:31.37
Segal Layogev			00:12:52.01
KTM	11:05:56.80	11:05:56.80	01:19:29.28
KTM-YOHANANOF-CAMP FACTORY			00:04:57.91
KTM	10:17:15.14	11:13:15.14	01:26:47.62
KTM-YOHANANOF-CAMP FACTORY	00:56:00		00:07:18.34
CanAm X3	11:22:20.28	11:22:20.28	01:35:52.76
			00:09:05.14
CanAm X3	10:51:13.40	11:31:13.40	01:44:45.88
	00:40:00		00:08:53.12
KTM	11:46:25.00	11:46:25.00	01:59:57.48
PREMIUM CITY MARKET			00:15:11.60



LIVE TIMING & RALLY REPLAY



FEATURES

- Rally replay plays back the event
- Ghost starts simulator
- Time slider to faster find the point of interest
- Filter to select category, group or a single crew

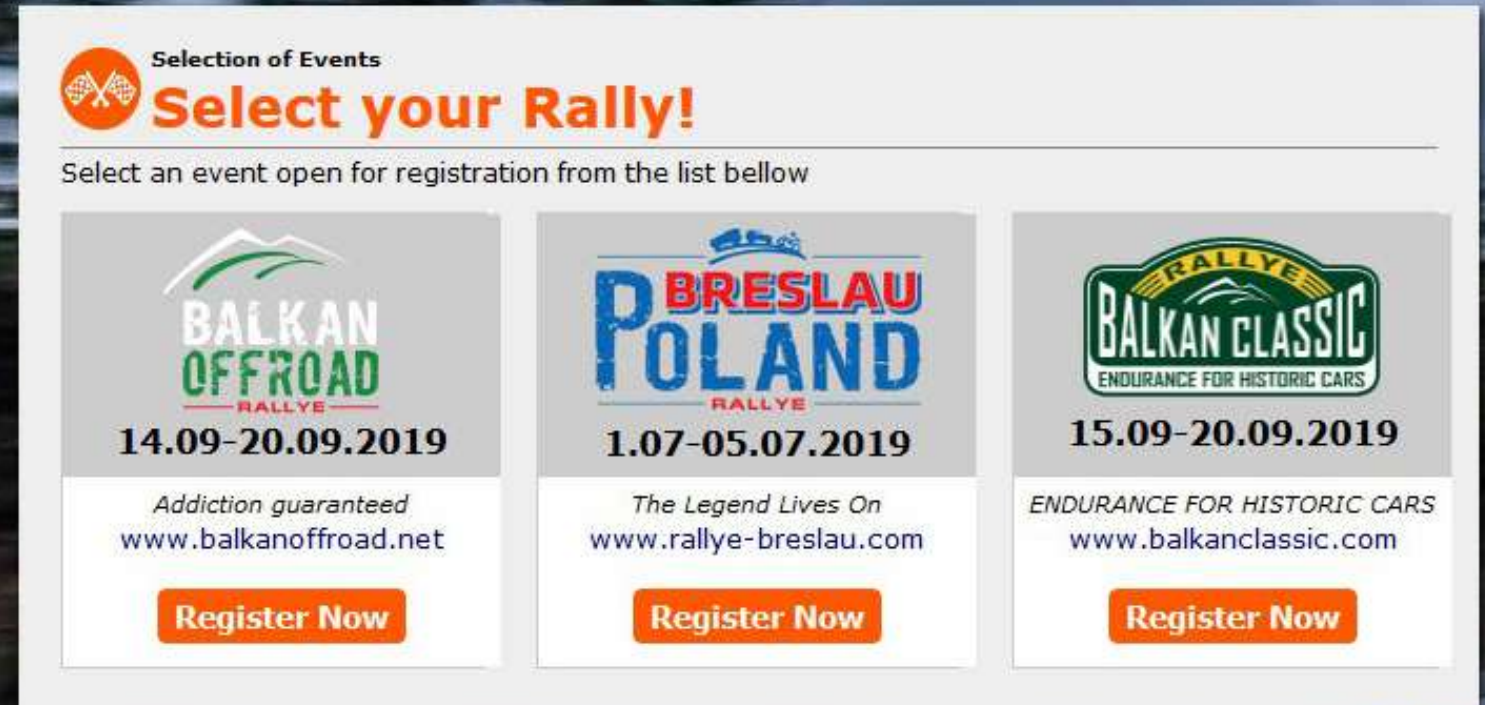
Start List

Pos	N	Driver	Cl	Car	Time
1	230	TAL WAINBERG(ISR) / NITZAN BUSTAN(ISR)	GPS.TT		08:00
2	227	DOR HASON(ISR) / GUY GOTTLIBE(ISR)	GPS.TT	Buggy	08:01
3	228	EYAL LAVEE(ISR) / YUVAL SHARON(ISR)	GPS.TT	Buggy	08:02
4	229	GUY BITTON(ISR) / ELI OHAYON(ISR)	GPS.SSV	CanAm X3	08:04
5	232	NAOR ASHKENAZI(ISR)	GPS.SSV	CanAm	08:05
6	231	ITSHAK MINI(ISR) / ROY ZAMIR(ISR)	GPS.C		08:06
7	223	OVAD ARAZI(ISR) / IDAN ABUDI(ISR)	GPS.C	Chevrolet Silverado	08:07
8	222	DANIEL GOLAN(ISR) / ORLY GOLAN(ISR)	GPS.C	Buggy	08:08
9	225	ILAN PATORI(ISR) / OR ELIRAZ(ISR)	GPS.C	Svi Cohen Yael	08:09
10	219	MICHAEL HEN(ISR) / SHAHAR SHVILI MOSHE(ISR)	GPS.C	Toyota Hilux	08:10
11	220	YARIV KELER BARUCH(ISR) / TOMER GELFAND(ISR)	GPS.C	Jeep	08:11
12	226	EREZ ABRAMOV(ISR)	GPS.C		08:12
13	201	RAZ HAYMANN(ISR) / HILLEL SEGAL(ISR)	T1.2	Segal Layogev	08:22
14	209	ALI DOGANER(TUR) / POLAT EMSEN(TUR)	SSV.2		08:23
15	211	GABRIEL ABERGEL(ISR) / CHARLY GOTLIB(BEL)	SSV.2	CanAm X3	08:24
16	215	SHARON BEN AMI(ISR) / JONATHAN BEN AM(ISR)	SSV.2	CanAm X3	08:25
17	212	AMIR ABU MUCH(ISR) / OMRI ABU MUCH(ISR)	SSV.2	CanAm X3	08:26
18	202	GAL SHACHAM(ISR) / NIMROD OFIR(ISR)	T1.1	Mitsubishi L200	08:27
19	204	MATTIA DI SABATINO(ITA) / DAVIDE DE ANGELIS(ITA)	T2.2	Mitsubishi Pajero	08:28
20	224	SAGI NOI(ISR) / BEN GILADI(ISR)	SSV.2	WildCat	08:29
21	217	IOANNHS VORRIAS(GRC) / ATHANASIOS MPAKAS(GRC)	TH.3	Mitsubishi Pajero	08:30
22	205	DAVID SHPRONTZ(ISR) / SHAHAR SHPRONTZ(ISR)	T2.1	Mitsubishi	08:31

Start lists, Stage and Overall Results

EVENT MANAGEMENT

- Registration and submitting of entry form has never been so easy.
- The competitor's account contain information for drivers, vehicles and service personnel.
- All documents for the administrative check can be uploaded and verified prior the event.
- Intuitive interface gives fast workflow and ease of operation.
- The data in the competitor's account can be used for registration in multiple events by a single click.



Selection of Events

Select your Rally!

Select an event open for registration from the list bellow

BALKAN OFFROAD RALLYE	BRESLAU POLAND RALLYE	BALKAN CLASSIC RALLYE
14.09-20.09.2019	1.07-05.07.2019	15.09-20.09.2019
Addiction guaranteed www.balkanoffroad.net	The Legend Lives On www.rallye-breslau.com	ENDURANCE FOR HISTORIC CARS www.balkanclassic.com
Register Now	Register Now	Register Now

☐	0129				54	CROSS COUNTRY	ENDURO	MARCEL VAN WORT	KTM 500EXC	MR. MARCEL VAN WORT	MARCEL VAN WORT	INVOICES	SHOW	752.00	1182.00	400.00	782.00		
☐	0115				55	CROSS COUNTRY	ENDURO	SEBASTIAN BRANDT	HUSQVARNA FE 450	MR. SEBASTIAN BRANDT	VELORAPTOR	INVOICES	SHOW	799.00	799.00	400.00	399.00		
☐	01023				56	CROSS COUNTRY	ENDURO	BRAM VAN DER WOUTEN	KTM EXC 500	MR. BRAM VAN DER WOUTEN	RICHTSPECIALIST.NL	INVOICES	SHOW	799.00	799.00	400.00	399.00		
☐	01249				58	CROSS COUNTRY	ENDURO	STEVEN WALKER	KTM EXC 430 RACING	MR. BENNIE MIGCHELBRINK	MEMO TOURS	INVOICES		940.00	940.00	940.00	0.00	1: 0.00	1:
☐	01251				58	CROSS COUNTRY	ENDURO	BERT ALAIDS	WILL FOLLOW WILL FOLLOW	MR. BENNIE MIGCHELBRINK	MEMO TOURS	INVOICES		940.00	1370.00	1370.00	0.00		
☐	01252				59	CROSS COUNTRY	ENDURO	ROB VAN VEGCHEL	WILL FOLLOW KTM	MR. BENNIE MIGCHELBRINK	MEMO TOURS								
☐	01292				60	CROSS COUNTRY	ENDURO	RUUD FRANSSSEN	KTM 350 EXC	MR. RUUD FRANSSSEN	SAKY RALLY TEAM								
☐	01314				61	CROSS COUNTRY	ENDURO	JACK NEUEN	KTM GS 300 LNL	MR. BENNIE MIGCHELBRINK	MEMO TOURS								
☐	01342				62	CROSS COUNTRY	ENDURO	STEVEN WALKER	KTM EXC 450F SIX DAYS	MR. STEVEN WALKER	POOMEISTER RACING								
☐	01106				103	CROSS COUNTRY	ATV / QUAD	ANDREAS GANSS	YAMAHA RAPTOR 700	MR. ANDREAS GANSS	ANDREAS								
☐	01042				151	CROSS COUNTRY	SSV / UTV	VAN BEEK+BARRAUX	CAN AM X3	MR. VAN BEEK YANN	TEAM 4L								
☐	01056				154	CROSS COUNTRY	SSV / UTV	COSSUS+COSSUS	POLARIS RZR 900S	MR. COSSUS DIDIER	COSOFFROAD								
☐	01096				155	CROSS COUNTRY	SSV / UTV	HANS JÜRGEN+TBA	TEXTRON OFF ROAD WILD CAT	MR. HANS JÜRGEN RAUSCH	QUADRAUSCH								
☐	01158				156	CROSS COUNTRY	SSV / UTV	BENOIT+LAURENT	CAN AM X3	MR. LEPIETRE BENOIT	TEAM 4L								
☐	01182				157	CROSS COUNTRY	SSV / UTV	MEURET+MEURET	POLARIS RZR	MR. JEROME MEURET	TEAM ON OFF RAOD								
☐	01172				158	CROSS COUNTRY	SSV / UTV	PLA+PLA	POLARIS RZR 1000 TURBO	MR. JEROME PLA	TEAM 3PK								

EVENT DATABASE



FEATURES

- All data on one place for easy access and administration
- Direct data synchronisation to the Timekeeping module
- Direct SMS / Email communication to all or selected entrants
- Online library of uploaded documents
- Payment status and invoicing

Entry form

#BN01029

Driver

Marcel van Wort

Rally vehicle

Emergency contact

Mr

D607D

Service Crew

M

Service vehicles

van

Netherlands

Options and extras

Netherlands (NL/NLD)

Passport

Confirmation

Costs overview

Event: Balkan Offroad 2019

Category: Cross Country

Class: Enduro

Baseprice: 752.00 EUR

1x Extras and options: 430.00 EUR

AMOUNT TOTAL: 1182.00 EUR

Amount paid: 400.00€

Amount left: 782.00€

Post details

Netherlands

Additional information

none

Document Upload (Optional)

By uploading the documents you will speed up the processing times at the administrative check. This does not exclude you from showing the originals! Upload the files by clicking the upload/change buttons and selecting the document from your computer. Save the entry form as for the document to be stored in the cloud system. JPG images and PDF documents are allowed for upload. Multiple pages must be merged in to one single PDF file. By uploading documents you agree with our terms and conditions on storing private data. All uploaded documents are stored on a secured cloud server.

RECENT PHOTO

Upload

PLEASE UPLOAD

ID OR PASSPORT

Upload

PLEASE UPLOAD

DRIVER'S LICENSE

Upload

PLEASE UPLOAD

Dashboard

Import data

Save

Send confirmation again

Entry form - fast and easy registration

RALLY CONTROL SYSTEM

Event Management
and
Control Solutions

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