

NTSC MEETING



AGENDA

- 2019 Minutes / Points of action
- *Presentation balloon-tracking.eu*
- Balloon Live project: Update, status and further development
- WRL hosting on watchmefly.net
- Reports on other new technology
- Work in and with other SC/WGs
- Other items:
 - Use of Balloon Live in Junior Worlds 2021
 - Balloon Live Contest 2021



Balloon

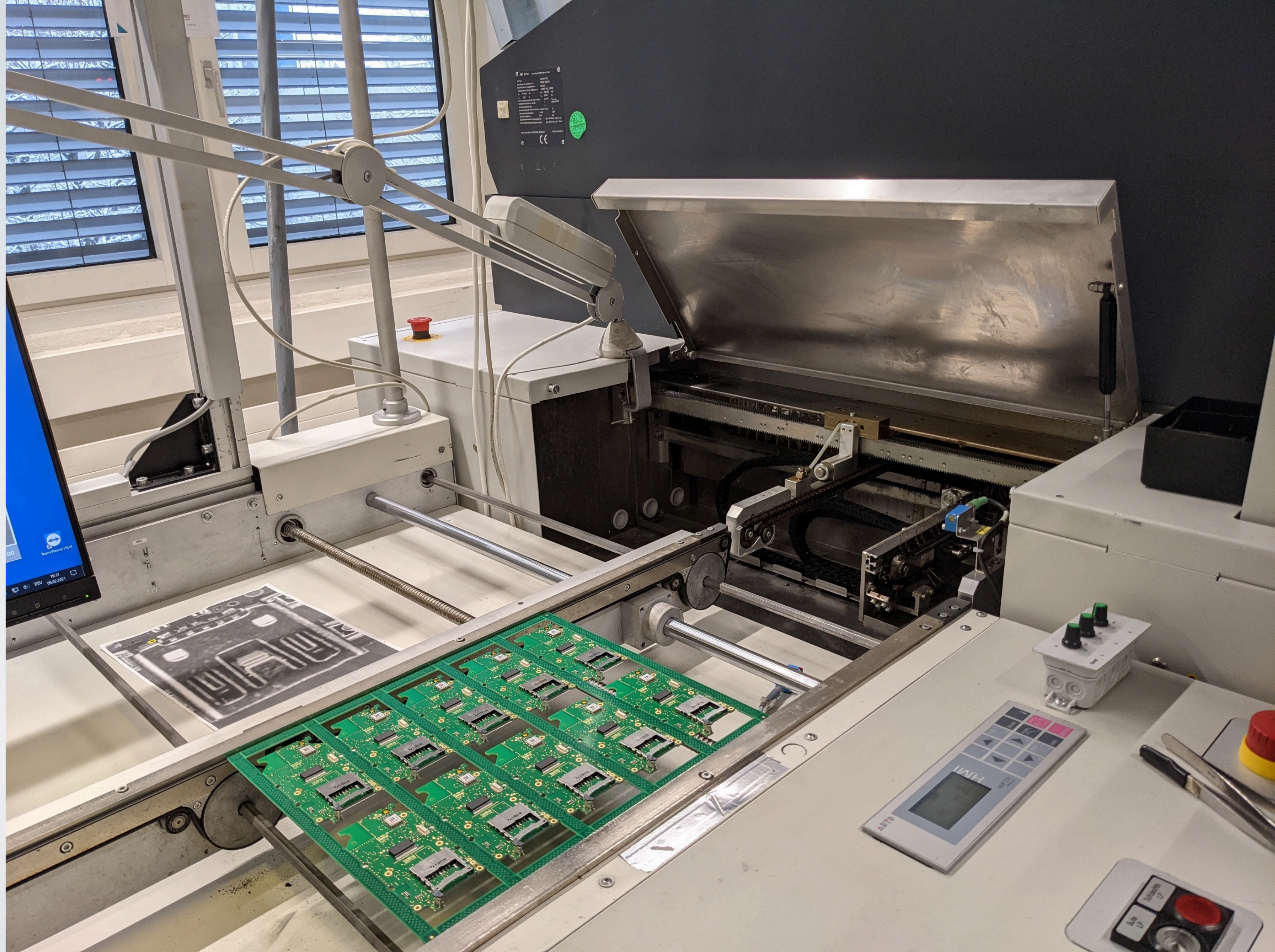
live



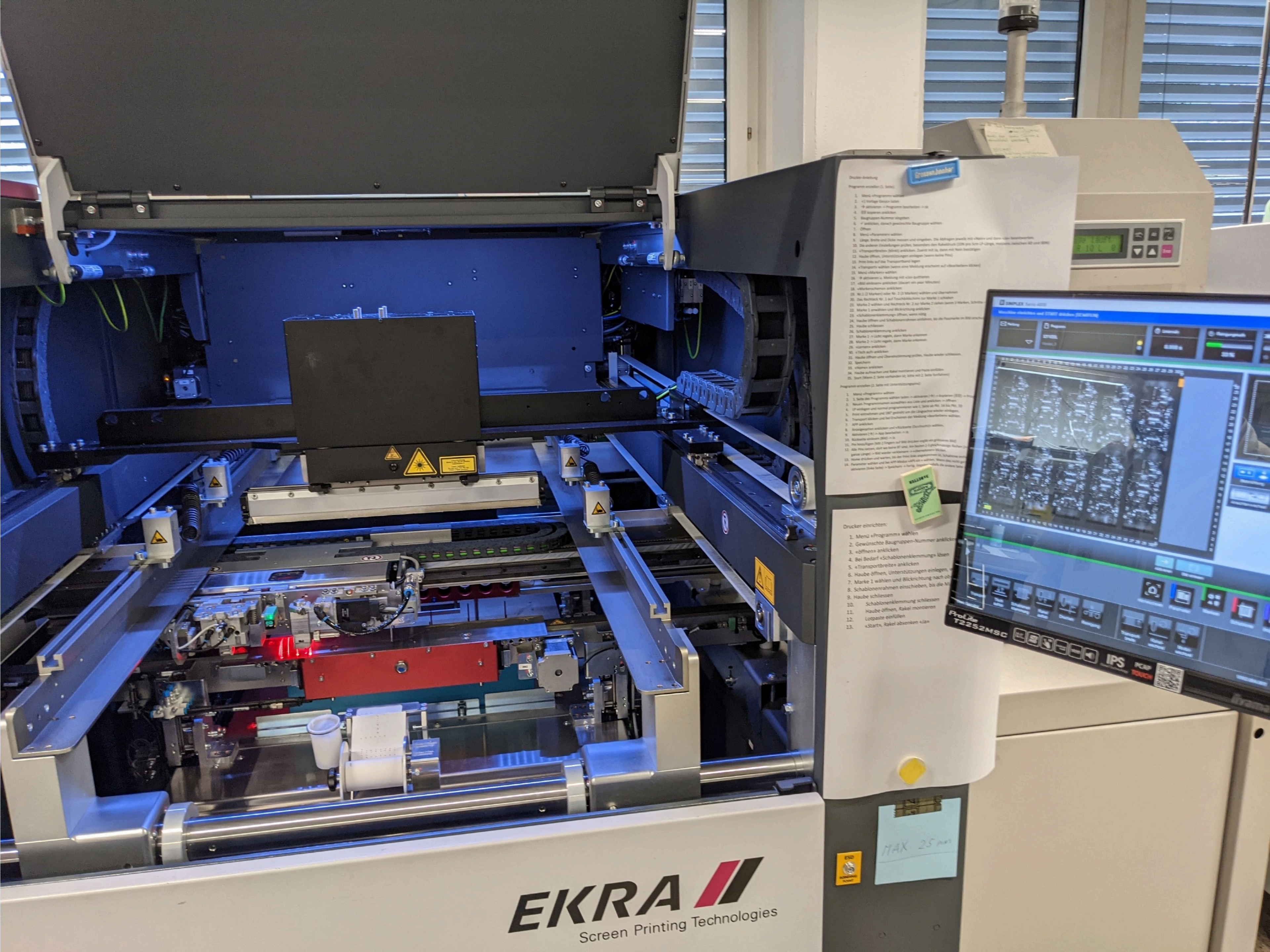
Balloon i v e Sensor

- ✓ Development with Flytec Balloon
- ✓ Special Sale event:
517 devices sold
- ✓ Delivery planned for end of March
- ✓ First competitions this season









EKRA 
Screen Printing Technologies

Drucker einrichten
Programme erstellen (2. Seite)

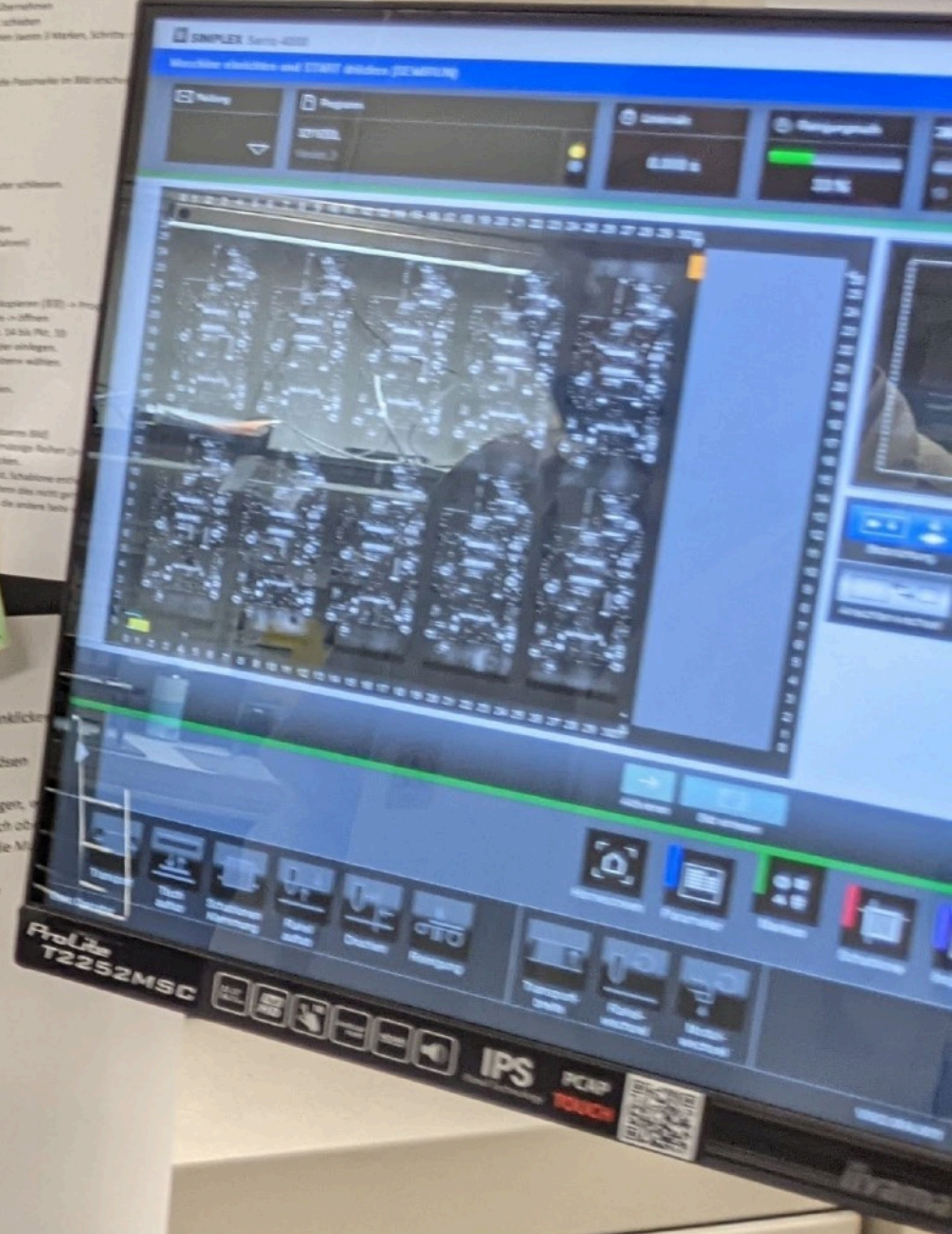
1. Menü «Programme» wählen
2. «Transport» auswählen
3. «Transport» in Programm bearbeiten
4. «Transport» anwählen
5. Baugruppen-Nummern eingeben
6. «Transport» durch gewünschte Baugruppen wählen
7. Öffnen
8. Menü «Parameter» wählen
9. Länge, Breite und Dicke messen und eingeben. Die Abstände jeweils mit «Nein» und dann «Ja» bestätigen.
10. Die anderen Einstellungen prüfen, besonders den Rakeldruck (20N pro cm) und die Länge, messen zwischen «R» und «B»
11. «Transport» (Bild) anwählen. Länge und Breite mit «Ja» bestätigen
12. Haube öffnen, Unterstützungen einlegen (wenn keine sind)
13. Print-Info auf das Transportband legen
14. «Transport» wählen (wenn eine Meldung erscheint auf «Überprüfen» klicken)
15. Menü «Überprüfen» wählen
16. «Transport» u. Meldung mit «Ja» bestätigen
17. «Überprüfen» anwählen (kann ein paar Minuten dauern)
18. «Überprüfen» anwählen
19. Nr. 1 (2. Markierung) oder Nr. 2 (3. Markierung) wählen und Überprüfen
20. Das Bild Nr. 1 auf das Transportband vor Markierung 1 laden
21. Markierung 1 wählen und Nachdruck Nr. 2 zur Markierung 2 wählen (wenn 2 Markierungen, siehe Nr. 2)
22. Markierung 1 einstellen und Bildrichtung anwählen
23. «Überprüfen» anwählen
24. Haube öffnen und Schablonenrahmen einstecken, bis die Markierung in «R» erscheint
25. Haube schließen
26. Schablonenklammer anwählen
27. Markierung 1 u. «Licht» regeln, dann Markierung 2 einstellen
28. Markierung 2 u. «Licht» regeln, dann Markierung 3 einstellen
29. «Überprüfen» anwählen
30. «Licht» auch anwählen
31. Haube öffnen und Überstimmung prüfen, Haube wieder schließen
32. Speichern
33. «Überprüfen» anwählen
34. Haube aufheben und Rakel montieren und Probe drucken
35. Start «Nein» 2. Seite aufrufen (2. Seite mit 2. Seite fortsetzen)

Programme erstellen (2. Seite mit Unterstützung)

1. Menü «Programme» wählen
2. 1. Seite des Programms wählen (wenn «Licht» in «Überprüfen» (2. Seite) in «Ja» bestätigen)
3. Menü «Programme» auswählen und «Licht» und «Überprüfen» in «Off»
4. «Licht» und «Überprüfen» programmieren wie 1. Seite ab Nr. 10, bis Nr. 10
5. Print-Info einlegen und «Licht» prüfen, um die Länge zu überprüfen
6. Transport-Info und die Parameter der Meldung überprüfen
7. «Licht» anwählen
8. «Transport» anwählen und «Überprüfen» (Überprüfen) wählen
9. «Überprüfen» anwählen
10. «Überprüfen» anwählen
11. «Überprüfen» anwählen
12. «Überprüfen» anwählen
13. «Überprüfen» anwählen
14. «Überprüfen» anwählen
15. «Überprüfen» anwählen
16. «Überprüfen» anwählen
17. «Überprüfen» anwählen
18. «Überprüfen» anwählen
19. «Überprüfen» anwählen
20. «Überprüfen» anwählen
21. «Überprüfen» anwählen
22. «Überprüfen» anwählen
23. «Überprüfen» anwählen
24. «Überprüfen» anwählen
25. «Überprüfen» anwählen
26. «Überprüfen» anwählen
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28. «Überprüfen» anwählen
29. «Überprüfen» anwählen
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31. «Überprüfen» anwählen
32. «Überprüfen» anwählen
33. «Überprüfen» anwählen
34. «Überprüfen» anwählen
35. «Überprüfen» anwählen
36. «Überprüfen» anwählen
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38. «Überprüfen» anwählen
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43. «Überprüfen» anwählen
44. «Überprüfen» anwählen
45. «Überprüfen» anwählen
46. «Überprüfen» anwählen
47. «Überprüfen» anwählen
48. «Überprüfen» anwählen
49. «Überprüfen» anwählen
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68. «Überprüfen» anwählen
69. «Überprüfen» anwählen
70. «Überprüfen» anwählen
71. «Überprüfen» anwählen
72. «Überprüfen» anwählen
73. «Überprüfen» anwählen
74. «Überprüfen» anwählen
75. «Überprüfen» anwählen
76. «Überprüfen» anwählen
77. «Überprüfen» anwählen
78. «Überprüfen» anwählen
79. «Überprüfen» anwählen
80. «Überprüfen» anwählen
81. «Überprüfen» anwählen
82. «Überprüfen» anwählen
83. «Überprüfen» anwählen
84. «Überprüfen» anwählen
85. «Überprüfen» anwählen
86. «Überprüfen» anwählen
87. «Überprüfen» anwählen
88. «Überprüfen» anwählen
89. «Überprüfen» anwählen
90. «Überprüfen» anwählen
91. «Überprüfen» anwählen
92. «Überprüfen» anwählen
93. «Überprüfen» anwählen
94. «Überprüfen» anwählen
95. «Überprüfen» anwählen
96. «Überprüfen» anwählen
97. «Überprüfen» anwählen
98. «Überprüfen» anwählen
99. «Überprüfen» anwählen
100. «Überprüfen» anwählen

Drucker einrichten:

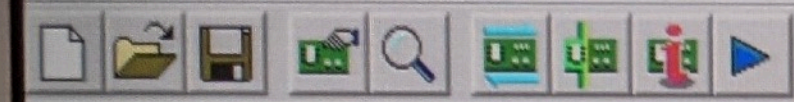
1. Menü «Programme» wählen
2. Gewünschte Baugruppen-Nummer anwählen
3. «Überprüfen» anwählen
4. Bei Bedarf «Schablonenklammer» lösen
5. «Transport» anwählen
6. Haube öffnen, Unterstützungen einlegen, u. «Licht» regeln
7. Markierung 1 wählen und Bildrichtung nach oben einstellen
8. Schablonenrahmen einstecken, bis die Markierung in «R» erscheint
9. Haube schließen
10. Schablonenklammer schließen
11. Haube öffnen, Rakel montieren
12. Lotpaste einfüllen
13. «Start», Rakel absenken «Ja»



MAX 25 mm

BELL FOREST-2011 - 3211650-1 User : g2011 Top Light

File Edit View Load/Unload(L) Scan(S) Inspect(I) Auto(A) Stop(E) Pass Help



MANUAL
3211650-1 [A]
NG

NG: Worst 20



SaveLibrary

Processing : SaveLIBPattern

Progress bar

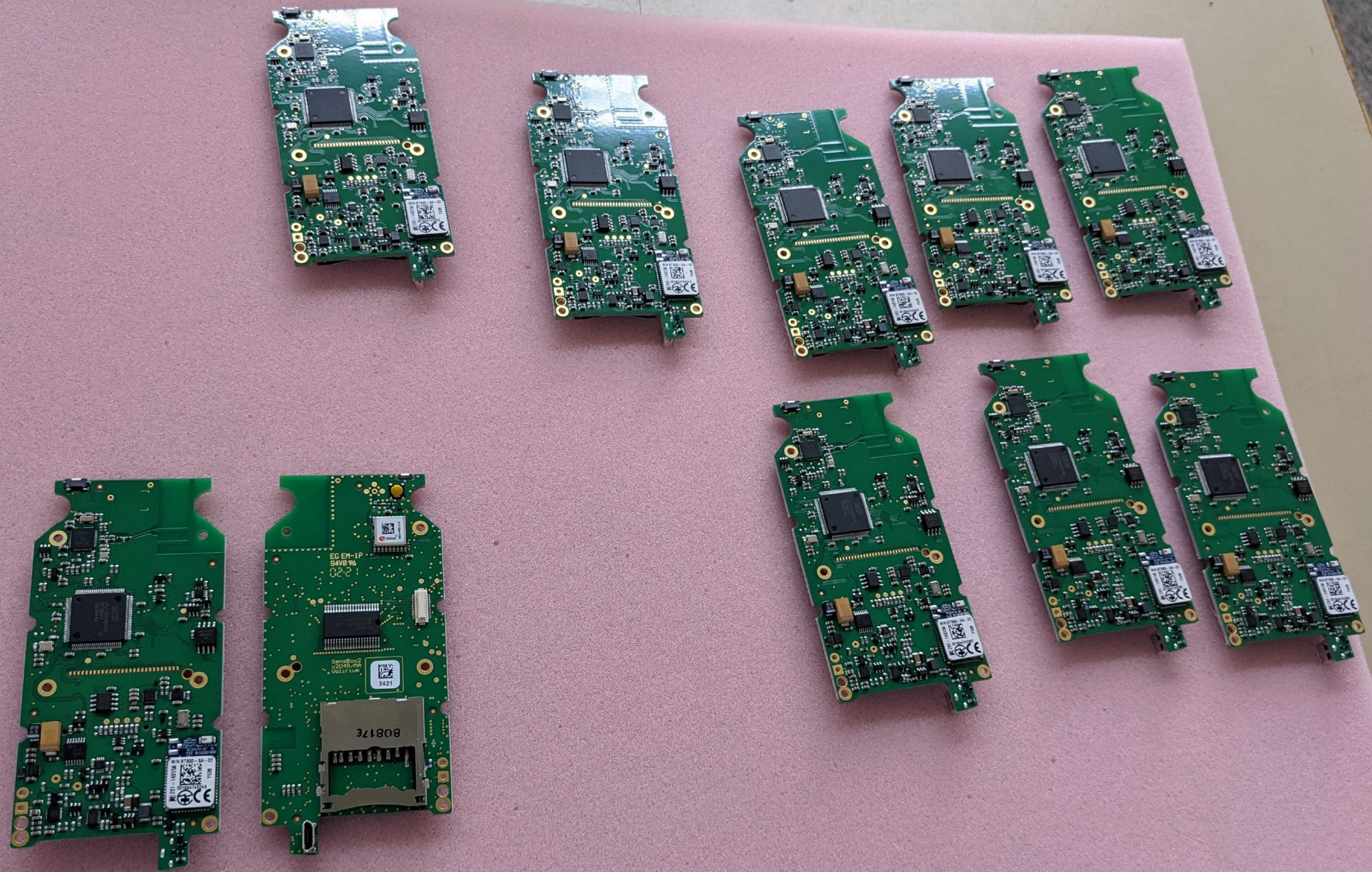
Total Board 0
NG Board 0
Total Comp. 0
NG Comp. 0
Defect Rate [ppm] 0
Time=45.664[s]













Balloon i v e Sensor

- ✓ Development with Flytec Balloon
- ✓ Special Sale event:
517 devices sold
- ✓ Delivery planned for end of March
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BALLOONLIVE.ORG



[WELCOME](#)[ABOUT BALLOON LIVE](#)[HOWTO - GUIDES](#)[FAQ](#)[CONTEST](#)[SPECIAL SALE 2020](#)

Balloon Live Sensor

The Balloon Live Sensor (BLS) closes the gap of the Balloon Live App running on many different phones and the need for precise GPS and barometric measurements. This is done using an external sensor that connects to the app.

The sensor uses Bluetooth low energy to connect to the Balloon Live app. It uses a custom protocol that also includes signing of the data. Each device has its own signature key. On request of the pilots we have added an additional classic Bluetooth connection so that multiple devices such as a laptops can connect and get the same data as the Balloon Live App. USB is available as an alternative interface.





State of the art GPS
GPS, Galileo, GLONASS, BeiDou
72 channels

High quality barometric sensor
Precision altitude and variometer

Security
Data integrity, authentication

Internal logging
Backup logging to SD card

20h runtime
Internal LiPo battery

Made for Balloon Live
Fully integrated in the App


Bluetooth
SMART

Bluetooth
USB
UNIVERSAL SERIAL BUS


NMEA for Laptop
Connect Laptop and other devices
with NMEA through Bluetooth or
USB.

User interface explained

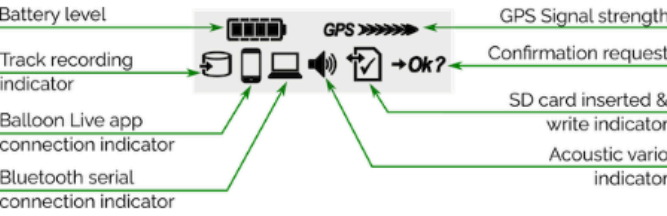
The BLS has the following operation elements on the front and top of the device:



On the rear of the device you can find the following elements:



Status bar



The status bar indicates the current battery level and GPS signal quality and which functions are currently active. A solid icon indicates that the specific function is currently active. A flashing icon indicates that the function is currently not active.

The track recording indicator is flashing while recording is paused, either because it was stopped manually, or because the BLS has not yet detected a take-off.

The Balloon Live app indicator turns solid as soon as a connection with the Balloon Live app has been established. If the indicator is flashing then no connection exists with the Balloon Live app.

The Bluetooth serial indicator turns solid as soon as at least one Bluetooth client has connected to the BLS. If the indicator is flashing then no Bluetooth client is connected.

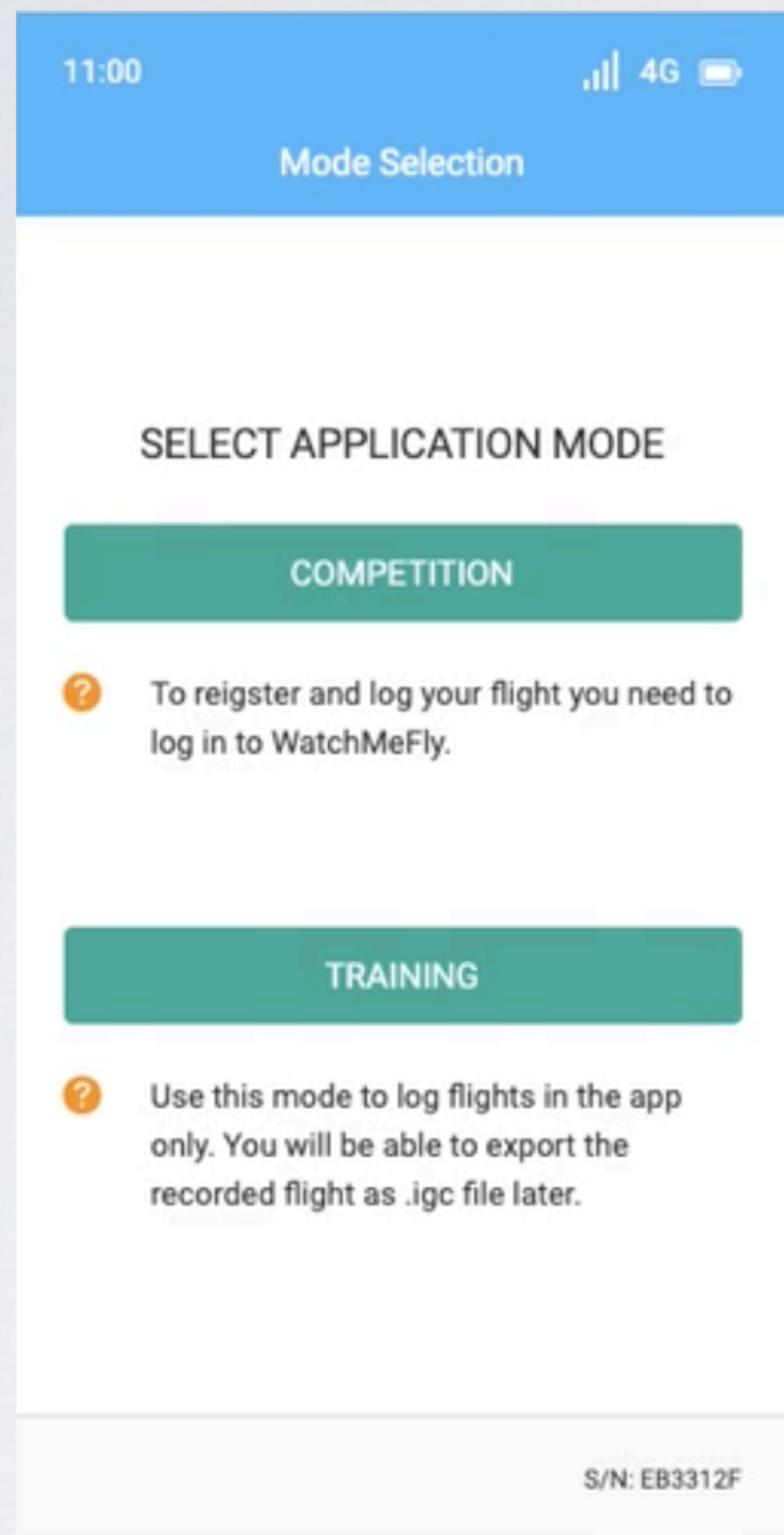
General questions

- + Can the sensor be used as external GPS for other apps (mobile or laptop)?
- + Will FAI Ballooning Commission create a pool of devices event organisers can rent?
- + What events will use Balloon Live in the future?
- + Where can I buy the Balloon Live Sensor?
- + Where is the recorded track stored?
- + What's comes in the box with the Balloon Live Sensor?

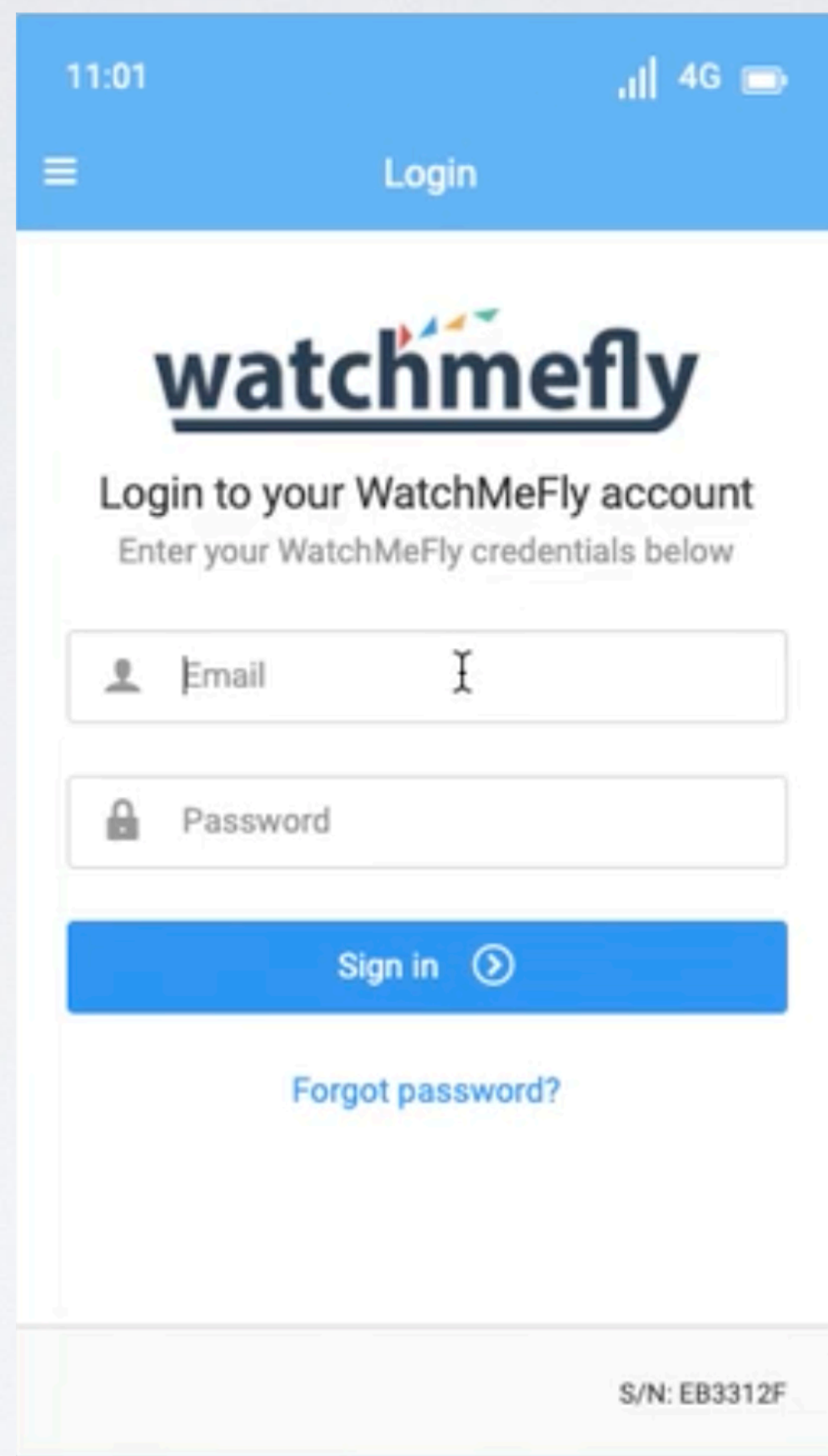
Technical details and guides

- + How can I switch the BLS on?
- + How do I charge the BLS?
- + How long does the BLS run with one battery charge?
- + How do I turn off the BLS?
- + What connection options does the BLS have?
- + Can I change the battery of my BLS?
- + How do I pair the BLS with the Balloon Live app?
- + I have been asked to upgrade the firmware on my BLS, how can I do this?
- + How do I modify the volume of the audible variometer?

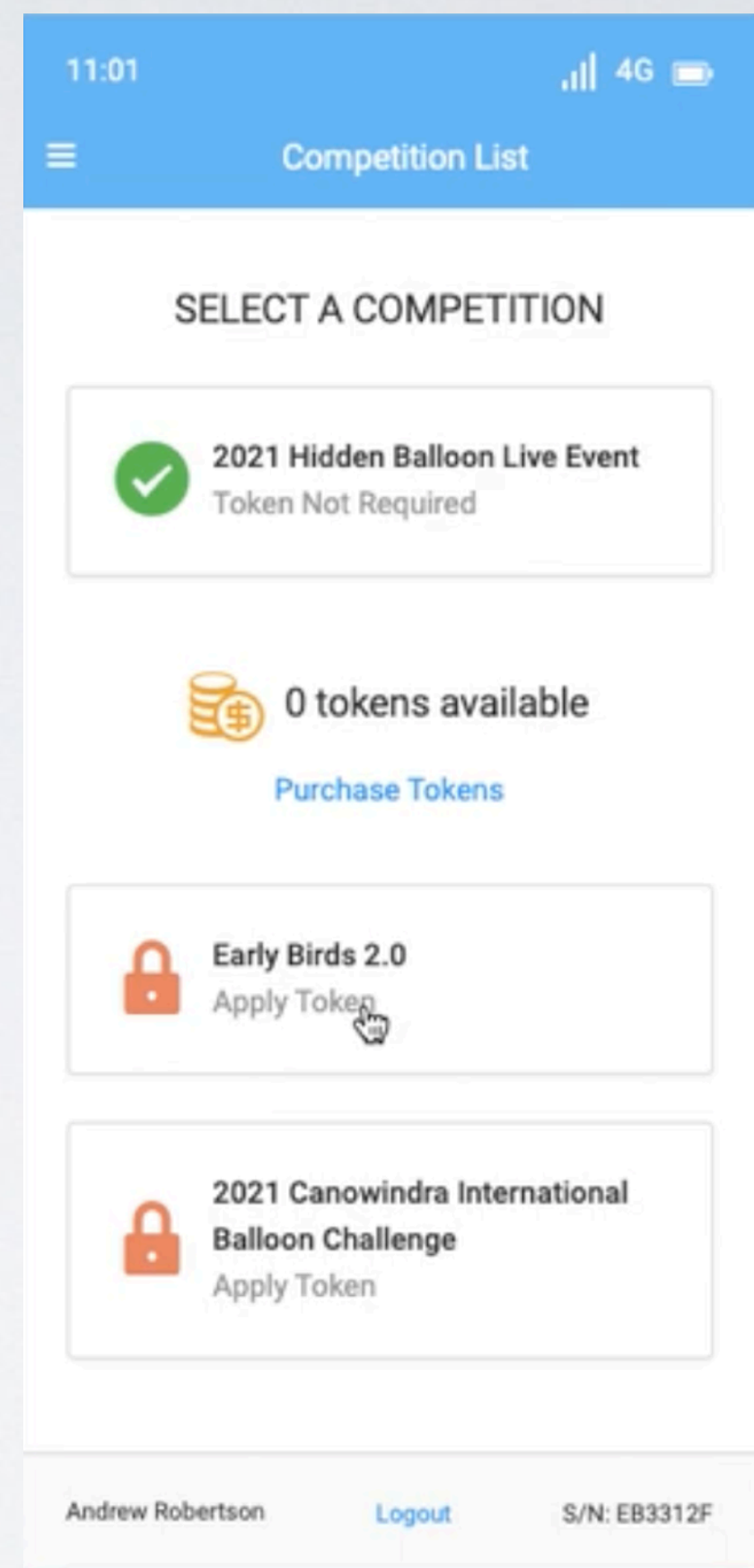
BALLOON LIVE APP CHANGE



Select
competition mode

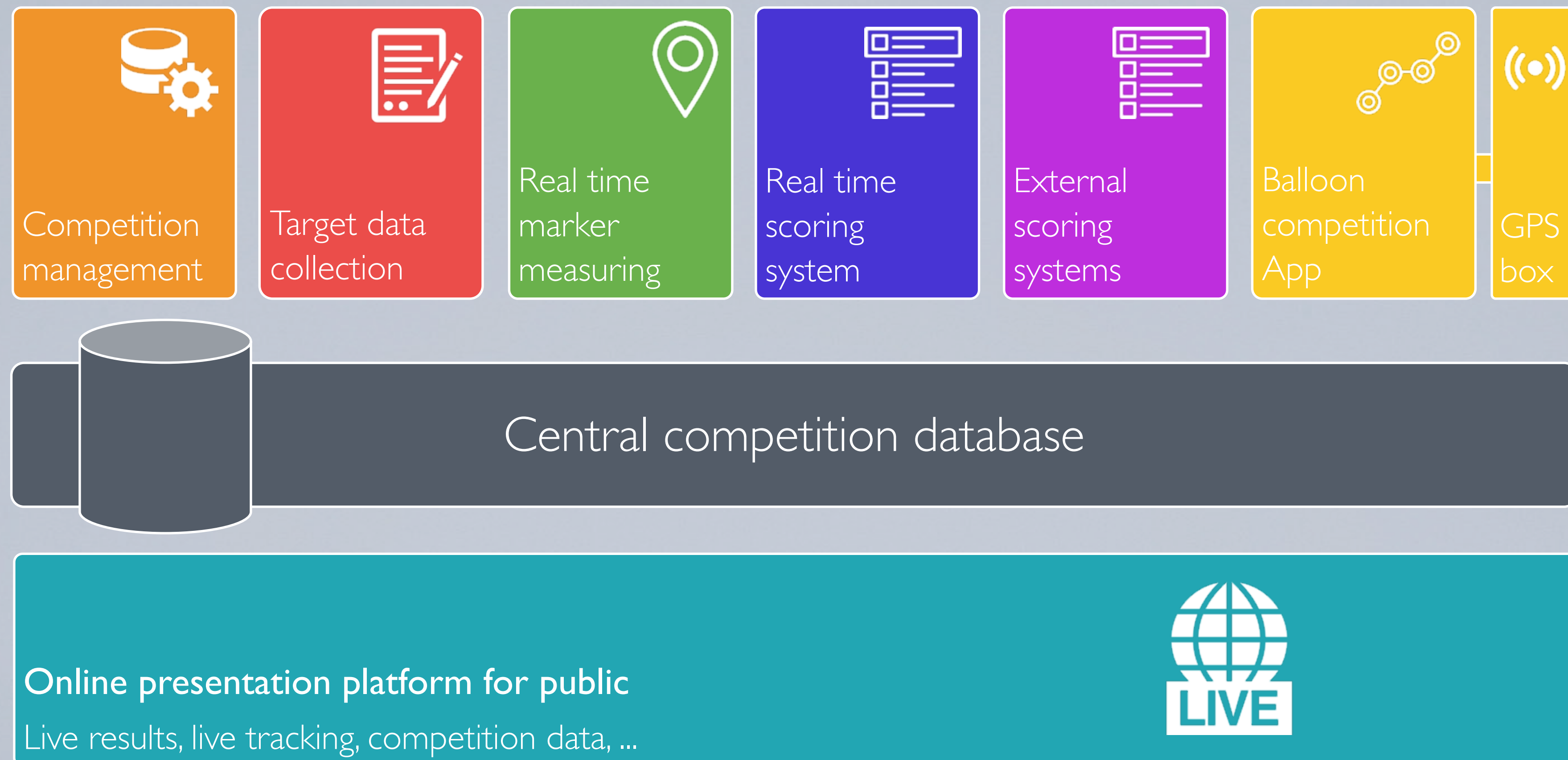


Enter
watchmefly login



Select
available competition

CONCEPT OVERVIEW



Project Phases



Phase 1: Proof of Concept (POC)

- Enhanced Competition Center
- Enhanced Flight & Task functionality
- User & function based permissions
- Task level results entry
- Pilot level results entry (for debriefers)
- Target Team results entry
- Basic penalty entry
- Score calculations
- Score versioning and progression (i.e. Provisional -> Official -> Final)
- Balloon Live App configuration and file management
- Publishing results to WMF website

April 2021

Phase 2: Minimum Viable Product (MVP)

- Results import from Excel
- Print Friendly results
- Competition Center logs and audit tools
- Rules and Penalty Database
- Basic Result Calculator (Distance A-B)
- Basic 3D Shape (Donut & Wedding Cake) Calculator
- Officials management and communication tools
- Comprehensive Help Documentation

August 2021

Phase 3: Flight Analysis

- Advanced Result Calculator
 - Elbow & Angle
 - Land Run
 - Advanced 3D Shapes
- Automated Penalty Application
 - Time penalties
 - Distance infringements
- PZ database and analysis
 - PZ management tools
 - Automated PZ infringement and penalty calculations
- Pilot Result/Scoring dashboard
- Balloon Live rebranding of WatchMeFly

October 2021

Phase 4: Advanced Features

- Scoring APIs (import and export)
- Automated scoring (real time)
- Pilot data analytics (public facing stats)
- Collision/Near Miss analysis
- Competition Map import and management
-

Ongoing



POC Screen Shots

(Work in Progress)



Competition Dashboard



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[WMF Home](#) [CC Home](#) [Comp Admin](#) [WMF Admin](#) [Balloon Live](#) [Help](#)

13

1

Andrew

2021 Hidden Balloon Live Event

Dashboard

Flights

ENB

Pilots

Officials

Target Team

Map

Balloon Live

Dashboard - 2021 Hidden Balloon Live Event

2021 Hidden Balloon Live Event
16 January 2021 - 30 November 2021
 Canowindra, Australia
[Competition Settings](#)

Flights

Flight 3

Draft

Flight 2

Live

Flight 1

Complete

+

Add New Flight

+

Add Flight

Flight	Tasks	Status	Actions
Flight 3 - Monday AM - 18 Jan	5, 6, 7, 8	Draft	
Flight 2 - Sunday PM - 17 Jan	4	Live	
Flight 1 - Sunday AM - 17 Jan	1, 2, 3	Complete	

8 Tracks

MANAGE TRACKS

1 ENB post

MANAGE NOTICEBOARD

10 competitors

MANAGE PILOTS

4 officials

MANAGE OFFICIALS

1 Map POI

MANAGE EVENT MAP

Official Roles & Permissions Management



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Balloon Live

Official Management

Home / Competition Dashboard / Official Management

Competition Officials

+ Add Official

User	Role	Email	Mobile	Actions
<div>ANDRE, Marc</div> <div>Switzerland</div>	Steward	marc.andre@netline.ch	-	
<div>MICHEL, Christian</div> <div>Germany</div>	Chief Scorer Debriefeer	cmichel@ballonspass.de	-	
<div>ROBERTSON, Andrew</div> <div>Australia</div>	Director	auntymonkey@gmail.com	+61 413 740 286	
<div>WEBER, Claude</div> <div>Luxembourg</div>	Assitstant Director	claud@weber.lu	-	

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Official Management

Home / Competition Dashboard / Official Management / Official Form

Assign a WMF Member

Select a WMF member:

MICHEL, Christian - Germany

Select a role or roles:

☐ Director

☐ Assitstant Director

☐ Steward

☐ Jury President

☐ Jury Member

☐ Chief Safety Officer

☐ Chief Meterologist

☐ Chief Debriefeer

☐ Chief Target Team

☒ Chief Scorer

☐ Scorer

☒ Debriefeer

☐ Target Team

☐ Meterologist

☐ Event Organiser

Comp Center Permissions

☒ Competition Center Access

☐ Flight & Task Management

☒ Electronic Noticeboard

☐ Pilots Management

☐ Officials Management

☐ Map Management

☒ Scoring

☐ Competition Settings

☐ Balloon Live

Cancel

Add Official

Flight Dashboard



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WMF HomeCC HomeComp AdminWMF AdminBalloon LiveHelp

2021 Hidden Balloon Live EventDashboardFlightsENBPilotsOfficialsTarget TeamMapBalloon Live

Practice Flight 1 - Sunday AMLive

Home / Competition Dashboard / Flight Data

Flight Navigation

Change Flight Status

Edit Flight

Task Data Sheet

Weather Sheet

Delete Flight

Flight Details

Flight No:1

Status:Live

Flight Type:Competition

Date:Sunday 17 January 2021

Time:AM

Flight Name:-

Launch Area:Pilot's Choice

Launch Period:0700-0730

Min. ILP to Goal:3000m

Solo Flight:Not Required

Sunrise/Sunset:0600/1500

PZs in Force:All

Search Period:3 Hrs

QNH:1019

Notes

Be careful around new PZ 12

Weather File

Weather File

Tasks

#	Task Type	Task Status	Target Team	Provisional	Offical	Final	Actions
1	Fly In	Live	x	x	x	x	
2	Hesitation Waltz	Scoring	6			x	
3	3D Shape Task	Live	-	x	x	x	

Task Data Sheet & Weather

Click the button below for a print version of the Task Data Sheet & Weather

Print TDSPrint Weather

10%

Flight Report Forms

1 of 10 pilots

See pilot list below

80%

Balloon Live Tracks

8 of 10 pilots

Balloon Live Tracks

Pilot Flight Data

#	Pilot	FRF	Track	Actions
1	<div>SCAIFE, Matthew</div> <div>Australia</div>	x		
2	<div>ROBERTSON, Andrew</div> <div>Australia</div>			
3	<div>MICHEL, Christian</div> <div>Germany</div>	x		
4	<div>VENSKUS, Julius</div> <div>Lithuania</div>	x		
5	<div>WEBER, Claude</div> <div>Luxembourg</div>	x		
6	<div>ANDRE, Marc</div> <div>Switzerland</div>	x		

Flight Dashboard



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Practice Flight 1 - Sunday AM

Live

[Home](#) / [Competition Dashboard](#) / [Flight Data](#)

Flight Navigation

Change Flight Status

Edit Flight

Task Data Sheet

Weather Sheet

Delete Flight

Flight Details

Flight No:

1

Status:

Live

Flight Type:

Competition

Date:

Sunday 17 January 2021

Time:

AM

Flight Name:

-

Launch Area:

Pilot's Choice

Launch Period:

0700-0730

Min. ILP to Goal:

3000m

Solo Flight:

Not Required

Sunrise/Sunset:

0600/1500

PZs in Force:

All

Search Period:

3 Hrs

QNH:

1019

Notes

Be careful around new PZ 12

Weather File

Weather File

Tasks

#	Task Type	Task Status	Target Team	Provisional	Offical	Final	Actions
1	Fly In	Live	x	x	x	x	
2	Hesitation Waltz	Scoring	6			x	
3	3D Shape Task	Live	-	x	x	x	

Task Data Sheet & Weather

Click the button below for a print version of the Task Data Sheet & Weather

Print TDS

Print Weather

10%

Flight Report Forms

1 of 10 pilots

See pilot list below

80%

Balloon Live Tracks

8 of 10 pilots

Balloon Live Tracks

Pilot Flight Data

#	Pilot	FRF	Track	Actions
1	<div><div></div><div>SCAIFE, Matthew</div><div>Australia</div></div>	x		
2	<div><div></div><div>ROBERTSON, Andrew</div><div>Australia</div></div>			
3	<div><div></div><div>MICHEL, Christian</div><div>Germany</div></div>	x		
4	<div><div></div><div>VENSKUS, Julius</div><div>Lithuania</div></div>	x		
5	<div><div></div><div>WEBER, Claude</div><div>Luxembourg</div></div>	x		
6	<div><div></div><div>ANDRE, Marc</div><div>Switzerland</div></div>	x		

Scoring - Target Team information tab



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Scoring - Task 2 - Hesitation Waltz

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Target Team Measurements

Target Team















FRF

Results Input

Provisional

Official

Final

#	Pilot	Target Team Measurement	Drop Time	Target	Target Team Notes
1	 SCAIFE, Matthew  Australia	Passed	08:28:29	-	
2	 ROBERTSON, Andrew  Australia	1.3	08:28:35	1 - 4556/6433	
3	 MICHEL, Christian  Germany	0.93 No Result	08:32:45	1 - 4556/6433	Outside Scoring Period: 08:32:45
4	 VENSUS, Julius  Lithuania	Drop Recorded	08:28:50	-	
5	 WEBER, Claude  Luxembourg	12.4	08:28:58	1 - 4556/6433	
6	 ANDRE, Marc  Switzerland	11 No Result	08:32:00	1 - 4556/6433	Outside Scoring Period: 08:32:00
7	 SCAIFE, Nicola  Australia	-	-	-	

Scoring - Flight Report Form information tab



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Scoring - Task 2 - Hesitation Waltz

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Flight Report Form

Target Team















FRF

Results Input

Provisional

Official

Final

#	Pilot	Estimated Result	Time	Notes	Reviewed	Reviewer Notes
1	 SCAIFE, Matthew  Australia	-	-		x	
2	 ROBERTSON, Andrew  Australia	1.5	08:28	Picked up by target team at goal 2	✓	Target team result 1.3m
3	 MICHEL, Christian  Germany	-	-		x	
4	 VENSUS, Julius  Lithuania	-	-		x	
5	 WEBER, Claude  Luxembourg	-	-		x	
6	 ANDRE, Marc  Switzerland	-	-		x	
7	 SCAIFE, Nicola  Australia	-	-		x	

Scoring - Result Input tab



watchmeflyCC

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Scoring - Task 2 - Hesitation Waltz

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Results Input Form

[Target Team](#)[FRF](#)[Results Input](#)[Provisional](#)[Official](#)[Final](#)

#	Pilot	Target Team	FRF	Measurement	Notes
1	SCAIFE, Matthew Australia	Passed 08:28:29	-	55	
2	ROBERTSON, Andrew Australia	1.3 08:28:35	1.5 08:28	1.3	
3	MICHEL, Christian Germany	0.93 No Result 08:32:45	-	No Result	Outside scoring period
4	VENSUS, Julius Lithuania	Drop Recorded 08:28:50	-	2.5	
5	WEBER, Claude Luxembourg	12.4 08:28:58	-	12.4	
6	ANDRE, Marc Switzerland	11 No Result 08:32:00	-	No Result	Outside scoring period
7	SCAIFE, Nicola Australia	-	-	75	
8	SEIGEOT, Clement France	-	-	52	
9	BARROW, Adam New Zealand	-	-	No Flight	
10	KAVANAGH, Sean Australia	-	-	65	

✓ Publish Measures

Save Measurements

Generate Provisionals

Scoring - Provisional Score tab



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Scoring - Task 2 - Hesitation Waltz

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Provisional Results

[Target Team](#) [FRF](#) [Results Input](#) [Provisional](#) [Official](#) [Final](#)

Rank	Pilot	Measurement	Points	Task Pen	Comp Pen	Score	Notes
1	ROBERTSON, Andrew Australia	1.3	1000	0	0	1000	
2	VENSKUS, Julius Lithuania	2.5	991	0	0	991	
3	WEBER, Claude Luxembourg	12.4	917	0	0	917	
4	SEIGEOT, Clement France	52	622	0	0	622	
5	SCAIFE, Matthew Australia	55	600	0	0	600	
6	KAVANAGH, Sean Australia	65	500	0	0	500	
7	SCAIFE, Nicola Australia	75	400	0	0	400	
8	ANDRE, Marc Switzerland	No Result	250	0	0	250	
8	MICHEL, Christian Germany	No Result	250	0	0	250	
10	BARROW, Adam New Zealand	No Flight	0	0	0	0	

[Re-Publish Provisionals](#) [Unpublish Provisionals](#)

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Scoring - Official Score tab (with versioning and change flag)



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Andrew

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Official Results 2

[Target Team](#) [FRF](#) [Results Input](#) [Provisional](#) [Official 1](#) [Official 2](#) [Final](#)

Rank	Pilot	Measurement	Points	Task Pen	Comp Pen	Score	Notes	Change Flag
1	ROBERTSON, Andrew Australia	1.3	1000	0	0	1000		<input type="checkbox"/>
2	WEBER, Claude Luxembourg	12.4	917	0	0	917		<input type="checkbox"/>
3	VENSKUS, Julius Lithuania	2.5	991	0	120	871	R7.5 PZ Infringement	<input checked="" type="checkbox"/>
4	SEIGEOT, Clement France	52	622	0	0	622		<input type="checkbox"/>
5	SCAIFE, Matthew Australia	55	600	0	0	600		<input type="checkbox"/>
6	KAVANAGH, Sean Australia	65	500	0	0	500		<input type="checkbox"/>
7	SCAIFE, Nicola Australia	75	400	0	0	400		<input type="checkbox"/>
8	MICHEL, Christian Germany	No Result	250	0	0	250		<input type="checkbox"/>
8	ANDRE, Marc Switzerland	No Result	250	0	0	250		<input type="checkbox"/>
10	BARROW, Adam New Zealand	No Flight	0	0	0	0		<input type="checkbox"/>

[Publish Officials](#) [Delete Officials](#)

[Save Officials](#) [Generate Official Version](#) [Generate Final](#) [PZ Check](#)

Help Documentation



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Changelog

Prohibited Zones (PZs)

The Competition Center allows you to manage a database of Prohibited Zones (PZs) to help automate the checking for violations and calculating penalty points.

PZ Types

There are four types of PZs that the WatchMeFly PZ database and penalty calculations will support.

PZ Type	Description
Circular	Cylinder shaped PZs. Defined by the centre point map reference and radius in meters
Polygon	Polygon shaped PZs (e.g. property boundary) defined by a series of vertices.
Line	PZs surrounding a line or track (e.g. roads, railways, powerlines).
Blue	Restricted airspace and will include a lower altitude limit which a competitor shall not fly above. Represented by a single polygon (boundary of the map) or a number of polygons (e.g. if the airspace is stepped).

Please Note: The following information is only relevant to users with appropriate access. If you require access, please contact the event organiser.

Polygon PZs

Circular PZs must be uploaded using an OziExplorer track (.plt) files. Individual track files (i.e. one per PZ) must be uploaded.

To create a PZ track in OziExplorer, draw a track around the perimeter of the prohibited zone as shown in the screenshot below. It does not matter if the the first and the last track point are in the exact location as the import process will close the polygon automatically.

Screenshot

Below is an example of a track file and an explanation of which fields are used.

OziExplorer Track Point File Version 2.1
WGS 84
Altitude is in Feet

Public Pages - Competition Results



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McBalloonface

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Competition Totals

1.	WEBER, Claude	Luxembourg	2904
2.	ROBERTSON, Andrew	Australia	2687
3.	SCAIFE, Nicola	Australia	2386
4.	KAVANAGH, Sean	Australia	1876
5.	VENSKUS, Julius	Lithuania	1691
6.	SEIGEOT, Clement	France	1622
7.	ANDRE, Marc	Switzerland	1422
8.	SCAIFE, Matthew	Australia	1300
9.	MICHEL, Christian	Germany	1150
10.	BARROW, Adam	New Zealand	0

Tasks included: 1,2,3

Full table view

Competition Tasks

Task 1 - Fly In

Official

Task 2 - Hesitation Waltz

Official

Task 3 - 3D Shape Task

Official

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Public Pages - Totals Grid View



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Rank	Pilot	Total	1 FIN Official	2 HWZ Official	3 3DD Official
1.	5 - WEBER, Claude Luxembourg	2904	987	917	1000
2.	2 - ROBERTSON, Andrew Australia	2687	973	1000	714
3.	7 - SCAIFE, Nicola Australia	2386	1000	400	986
4.	10 - KAVANAGH, Sean Australia	1876	500	500	876
5.	4 - VENSUS, Julius Lithuania	1691	200	991	500
6.	8 - SEIGEOT, Clement France	1622	600	622	400
7.	6 - ANDRE, Marc Switzerland	1422	972	250	200
8.	1 - SCAIFE, Matthew Australia	1300	400	600	300
9.	3 - MICHEL, Christian Germany	1150	300	250	600
10.	9 - BARROW, Adam New Zealand	0	0	0	0

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Public Pages - Task Results (including change flag)



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Task 2 - Hesitation Waltz (Rule: 15.3)

Official 2 - Published: 8 February 2021 - 11:26 AM

Official 2

Rank	Pilot	Result	Points	Penalty (T)	Penalty (C)	Score	Notes
1	2 - ROBERTSON, Andrew Australia	1.30	1000	0	0	1000	
2	5 - WEBER, Claude Luxembourg	12.40	917	0	0	917	
3	4 - VENSUS, Julius Lithuania	2.50	991	0	120	871	Updated - R7.5 PZ Infringement
4	8 - SEIGEOT, Clement France	52.00	622	0	0	622	
5	1 - SCAIFE, Matthew Australia	55.00	600	0	0	600	
6	10 - KAVANAGH, Sean Australia	65.00	500	0	0	500	
7	7 - SCAIFE, Nicola Australia	75.00	400	0	0	400	
8	3 - MICHEL, Christian Germany	No Result	250	0	0	250	
8	6 - ANDRE, Marc Switzerland	No Result	250	0	0	250	
10	9 - BARROW, Adam New Zealand	No Flight	0	-	-	0	

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Project Phases



Phase 1: Proof of Concept (POC)

- Enhanced Competition Center
- Enhanced Flight & Task functionality
- User & function based permissions
- Task level results entry
- Pilot level results entry (for debriefers)
- Target Team results entry
- Basic penalty entry
- Score calculations
- Score versioning and progression (i.e. Provisional -> Official -> Final)
- Balloon Live App configuration and file management
- Publishing results to WMF website

April 2021

Phase 2: Minimum Viable Product (MVP)

- Results import from Excel
- Print Friendly results
- Competition Center logs and audit tools
- Rules and Penalty Database
- Basic Result Calculator (Distance A-B)
- Basic 3D Shape (Donut & Wedding Cake) Calculator
- Officials management and communication tools
- Comprehensive Help Documentation

August 2021

Phase 3: Flight Analysis

- Advanced Result Calculator
 - Elbow & Angle
 - Land Run
 - Advanced 3D Shapes
- Automated Penalty Application
 - Time penalties
 - Distance infringements
- PZ database and analysis
 - PZ management tools
 - Automated PZ infringement and penalty calculations
- Pilot Result/Scoring dashboard
- Balloon Live rebranding of WatchMeFly

October 2021

Phase 4: Advanced Features

- Scoring APIs (import and export)
- Automated scoring (real time)
- Pilot data analytics (public facing stats)
- Collision/Near Miss analysis
- Competition Map import and management
-

Ongoing

QUOTE



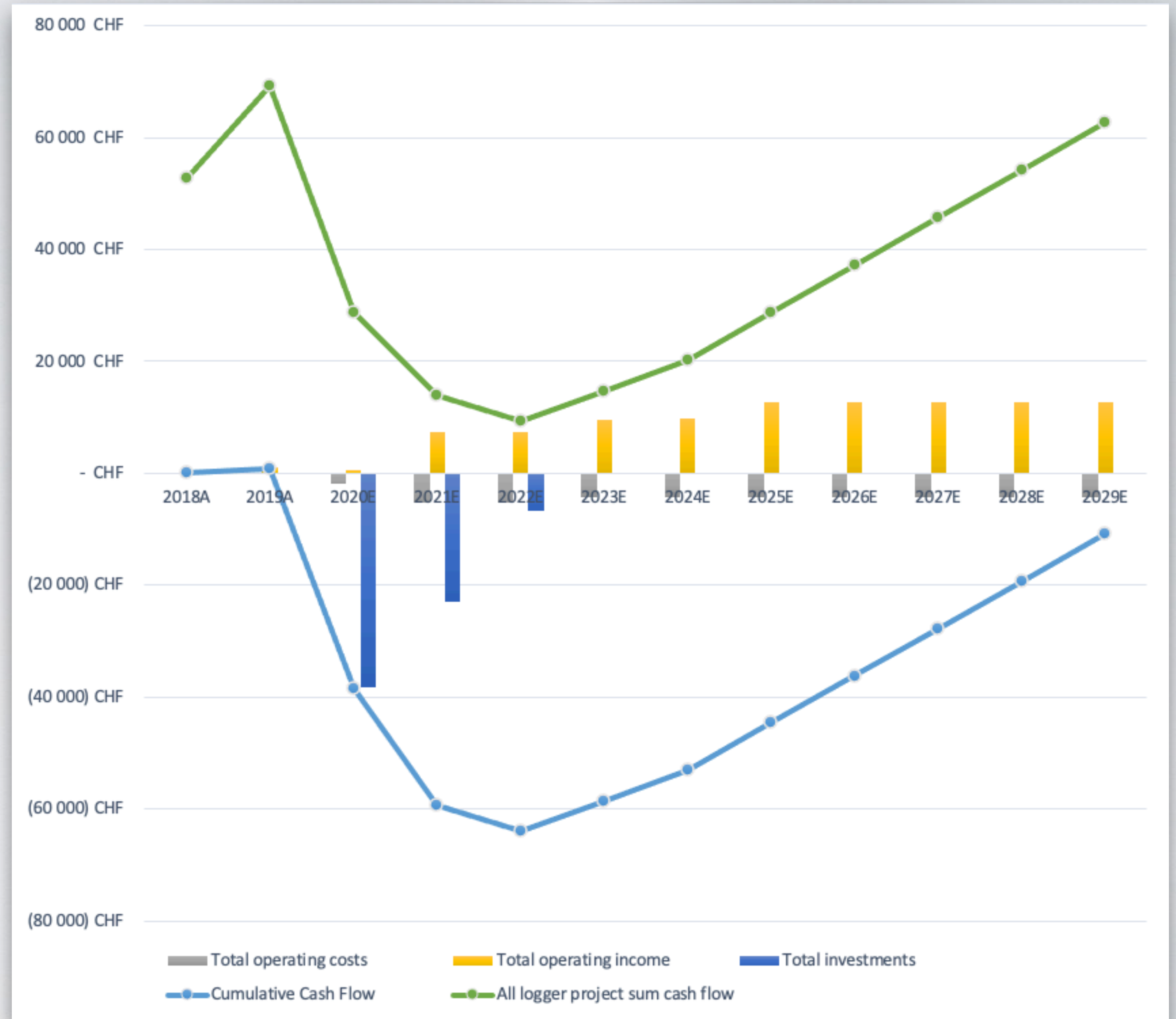
- Phase 1 - 4,500 CHF
- Phase 2 - 4,500 CHF
- Phase 3 - 10,500 CHF
- Phase 4 - scope and cost to be defined in 2021

Total cost phase 1-3: 19,500 CHF

FINANCIAL MODEL

General assumptions		2018A	2019A	2020E	2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E	2029E
App cost	EUR	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Pilot usage fee (per pilot/event)	EUR	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Event usage fee for Balloon Live (per event)	EUR				150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
Event scoring add-on fee (per event)	EUR					50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
Sensor rental fee	EUR	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
App store cost	%	30%	30%	30%	15%	15%	15%	15%	15%	15%	15%	15%	15%
FX (CHF/EUR)		1.17	1.17	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Income statement		2018A	2019A	2020E	2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E	2029E
App purchase	#	0	301	200	100	20	20	20	20	20	20	20	20
Pilot usage rights	#	0	0	0	200	450	600	600	800	800	800	800	800
Event usage rights	#	0	0	0	10	17	20	20	25	25	25	25	25
Event scoring add-on rights	#	0	0	0	0	5	10	15	20	20	20	20	20
Ballon Live sensor rentals	#	0	0	0	25	0	0	0	0	0	0	0	0
App purchase income	CHF	0	1 057	616	374	75	75	75	75	75	75	75	75
Pilot usage rights income	CHF	0	0	0	1 870	4 208	5 610	5 610	7 480	7 480	7 480	7 480	7 480
Event usage rights income	CHF	0	0	0	1 650	2 805	3 300	3 300	4 125	4 125	4 125	4 125	4 125
Event scoring add-on income	CHF	0	0	0	0	275	550	825	1 100	1 100	1 100	1 100	1 100
Sensor rental income	CHF	0	0	0	550	0	0	0	0	0	0	0	0
Exceptional income	CHF				3 000								
Total operating income	CHF	0	1 057	616	7 444	7 362	9 535	9 810	12 780	12 780	12 780	12 780	12 780
Operating cost		2018A	2019A	2020E	2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E	2029E
Server infrastructure	CHF			(1 500)	(2 000)	(2 000)	(2 000)	(2 000)	(2 000)	(2 000)	(2 000)	(2 000)	(2 000)
Balloon Live app upgrade maintenance	CHF				(2 000)	(2 000)	(2 000)	(2 000)	(2 000)	(2 000)	(2 000)	(2 000)	(2 000)
Sensors maintenance	CHF				(1 000)	(1 000)							
Admin & Misc	CHF			(300)	(300)	(300)	(300)	(300)	(300)	(300)	(300)	(300)	(300)
Total operating costs	CHF	0	0	(1 800)	(5 300)	(5 300)	(4 300)	(4 300)	(4 300)	(4 300)	(4 300)	(4 300)	(4 300)
Operating profit	CHF	0	1 057	(1 184)	2 144	2 062	5 235	5 510	8 480	8 480	8 480	8 480	8 480
Investments		2018A	2019A	2020E	2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E	2029E
App development	CHF			(20 500)	(5 000)	(5 000)							
Watchmefly.net	CHF			0	(22 500)	(5 000)							
Sensor prototype	CHF		(234)	(1 700)	(1 000)								
Sensor investment	#			42	(20)	(12)							
Sensor price	CHF			380	280	280							
Sensor investment	CHF		0	(15 960)	5 600	3 360							
Total investments	CHF	0	(234)	(38 160)	(22 900)	(6 640)	0	0	0	0	0	0	0

FINANCIAL MODEL



MOTION I

...to accept the investment
to develop the Balloon Live
Scoring module (phase 1-3)

WORLD RANKING LIST

watchmefly							Sign Up	Log In	
Home	CIA World Rankings								
Competition	Home / Competition / CIA World Rankings								
CIA World Rankings	Current CIA World Ranking List (Update July 2019) World ranking list source: http://balloonworldrankinglist.org/								
Filter:	Type to filter...						Show:	100	
Rank	Name	Country	Gender	Points					
1	ZEBERLI, Stefan	Switzerland	Male	1000.00					
2	STRASMANN, David	Germany	Male	949.73					
3	SEIGEOT, Clement	France	Male	947.72					
4	LATYPOV, Sergey	Russian Federation	Male	933.01					
5	HEARTSILL, Rhett	United States	Male	930.21					
6	FUJITA, Yudai	Japan	Male	915.95					
7	BAREFORD, Dominic	United Kingdom	Male	913.00					
8	Kostiuškevičius, Rimas	Lithuania	Male	890.18					

QUOTE



- Event totals importer tool
 - > Allowing the administrator to import the totals of Cat I events
- Nationals totals input tool
 - > Allowing NACs to input their own nationals results
- Pilot Validation Scripts
 - > Used by both tools above to ensure pilots are not deduplicated
- World Ranking Calculations Scripts
 - > Using existing WRL logic, this would be run when Cat I events and Nationals events are entered, providing real time World Rankings
- Front End improvements
 - > Updates to the existing World Ranking page in WatchMeFly to improve search and filters

2,200 AUD (~1,600 CHF)

MOTION 2

... to accept the investment
to host the World Ranking
List on watchmefly.net

WORK IN AND WITH OTHER SC/WGS



5th

Junior World Hot Air Balloon Championship

09th-15th August 2021

Leszno, Poland

Balloon?
Live!



MOTION 3

... to approve the Balloon Live
App and Sensor for use in CATI
events after final release by
NTSC

Balloon

I v e - Contest 2021

- Decentralised competition
- Worldwide
- Balloon Live app and sensor
- New set of rules
- Organised by CIA (see CIVL WXC Contest)

MOTION 4

...to approve that CIA
becomes the organiser of the
Balloon Live Contest