

NTSC MEETING REPORT 2025



THE TEAM





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102 events using WatchMeFly

100 using VVMF Scoring

91 using VVMF and Balloon Live

1'045 pilots competed in at least one event

1'391 tasks defined

7'537 tracks recorded

34'341'810 track points recorded

8'698 goals declared

17'498 markers dropped

127 certified scorers

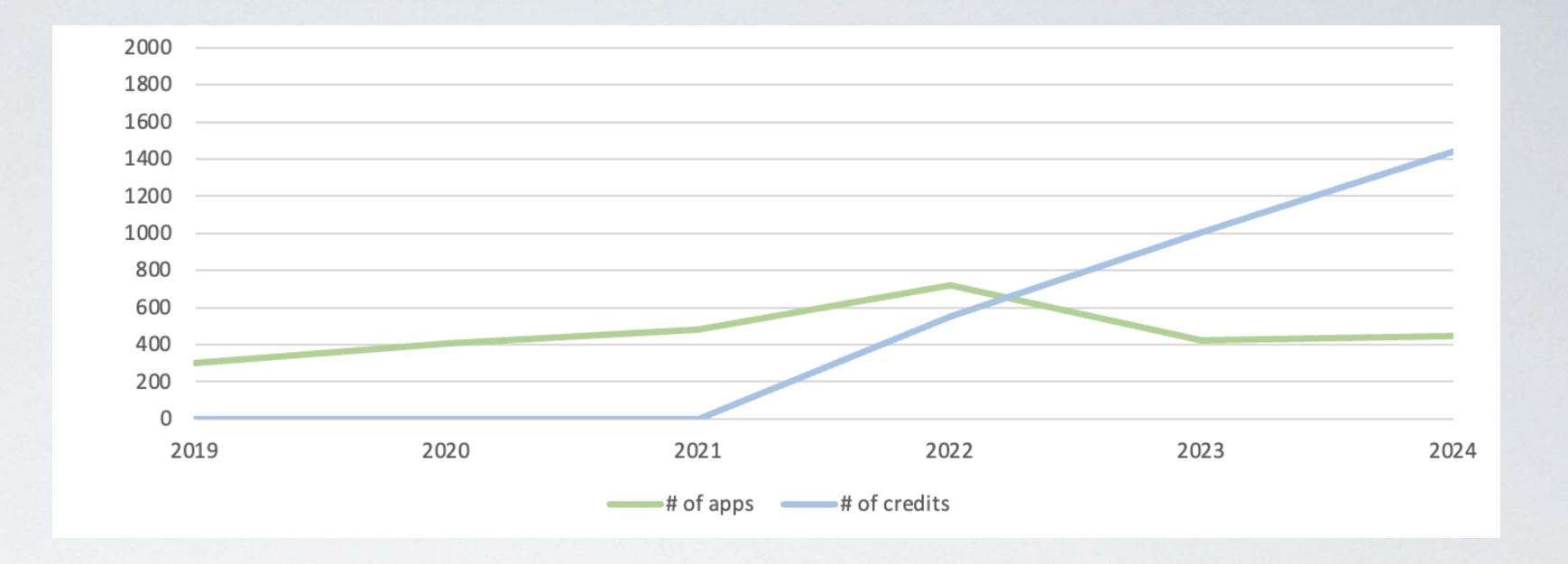
967 Balloon Live Sensors built

1'811 total Balloon Live app installations

1'441 pilot credits

APP STORE NUMBERS

TOTAL INCOME



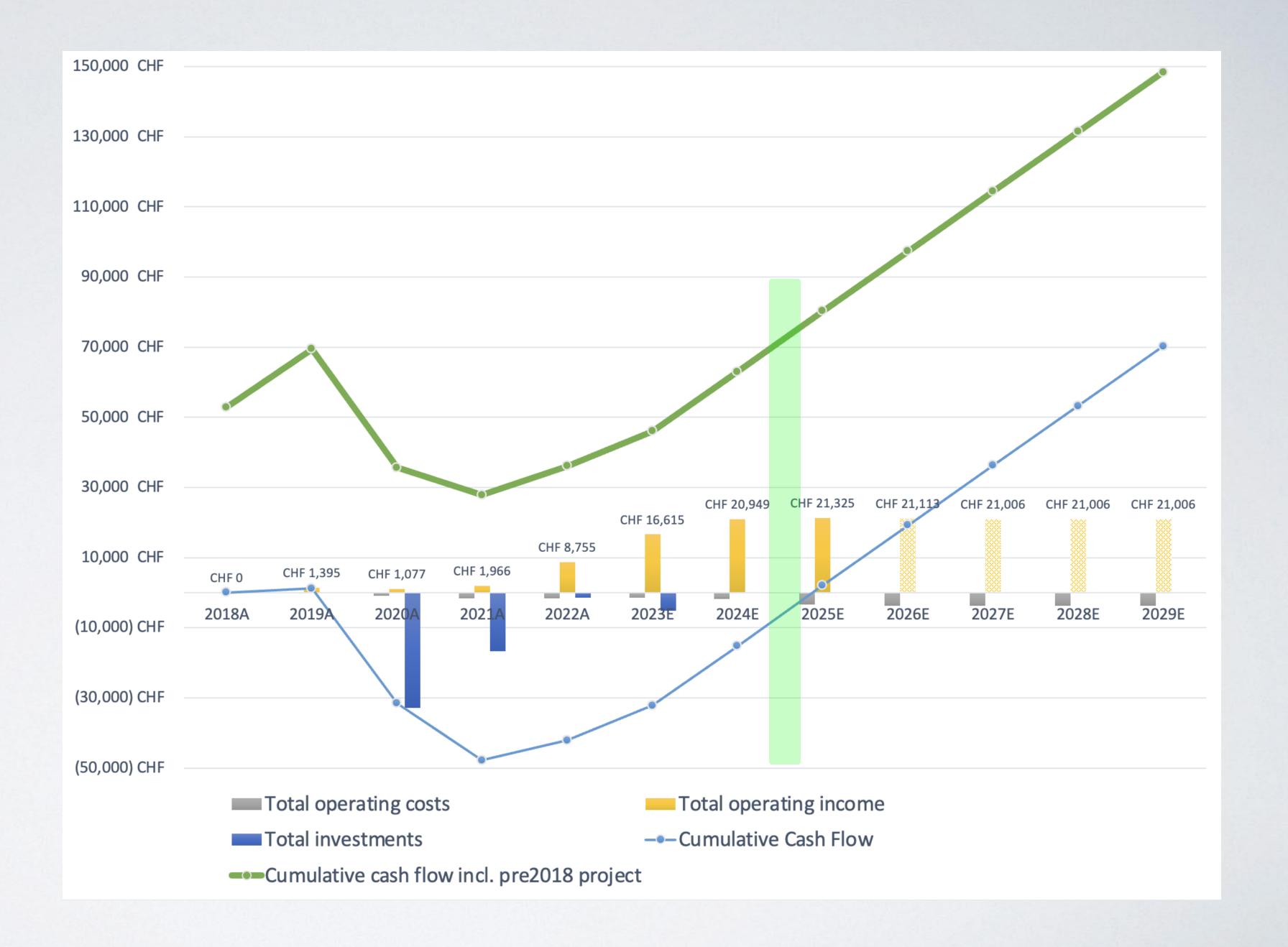


FINANCIAL STATEMENT

| | 2021A | 2022A | 2023E | 2024E | 2025 | |
|-----|---------|---------|---------|---------|---------|---|
| | (1,570) | (1,568) | (1,500) | (1,725) | (2,500) | |
| | | | | | (500) | |
| | | | | | | |
| | | | | | (300) | |
| (i) | (1,570) | (1,568) | (1,500) | (1,725) | (3,300) | |
| | | | | | | / |
| 1 | 396 | 7,187 | 15,115 | 19,224 | 18,025 | |
| | | | | | | |

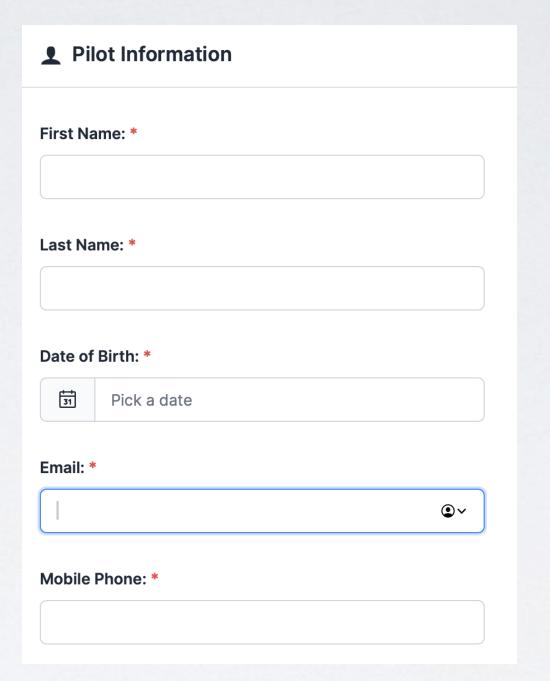
| General assumptions | | 2018A | 2019A | 2020A | 2021A | 2022A | 2023E | 2024E | 2025E | 2026E | 2027E | 2028E | 2029E |
|--|-----|-------|-------|----------|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| App cost | EUR | 4.00 | 4.00 | 4.00 | 4.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| 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 |
| 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 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Income statement | | 2018A | 2019A | 2020A | 2021A | 2022A | 2023E | 2024E | 2025E | 2026E | 2027E | 2028E | 2029E |
| App purchase | # | 0 | 301 | 406 | 483 | 719 | 425 | 445 | 100 | 50 | 25 | 25 | 25 |
| Pilot usage rights | # | 0 | 0 | 0 | 0 | 554 | 1,005 | 1,441 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 |
| Ballon Live sensor rentals | # | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| App stores: est. app purchase income | CHF | 0 | - | - | - | - | - | - | 425 | 213 | 106 | 106 | 106 |
| App stores: est. pilot usage rights income | CHF | 0 | 0 | - | - | - | - | - | 11,900 | 11,900 | 11,900 | 11,900 | 11,900 |
| App stores: combined income | CHF | | 1,395 | 1,077 | 1,744 | 5,751 | 8,485 | 11,629 | | | | | |
| Event organizer usage rights income | CHF | 0 | 0 | 0 | -, | 3,004 | 8,130 | 9,320 | 9,000 | 9,000 | 9,000 | 9,000 | 9,000 |
| Sensor rental income | CHF | 0 | 0 | 0 | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,000 |
| Exceptional income | CHF | | | | | | | | | | | | |
| Total operating income | CHF | 0 | 1,395 | 1,077 | 1,966 | 8,755 | 16,615 | 20,949 | 21,325 | 21,113 | 21,006 | 21,006 | 21,006 |
| Total operating income | | | | | | 5,755 | | 20,0 10 | | | | | |
| Operating cost | | 2018A | 2019A | 2020A | 2021A | 2022A | 2023E | 2024E | 2025E | 2026E | 2027E | 2028E | 2029E |
| Server infrastructure | CHF | | | (976) | (1,570) | (1,568) | (1,500) | (1,725) | (2,500) | (3,000) | (3,000) | (3,000) | (3,000) |
| Balloon Live app upgrade maintenance | CHF | | | | | | | | (500) | (500) | (500) | (500) | (500) |
| Sensors maintenance | CHF | | | | | | | | | | | | |
| Admin & Misc | CHF | | | | | | | | (300) | (300) | (300) | (300) | (300) |
| Total operating costs | CHF | 0 | 0 | (976) | (1 ,570) | (1,568) | (1,500) | (1,725) | (3,300) | (3,800) | (3,800) | (3,800) | (3,800) |
| | | | | | | | | | | | | | |
| Operating profit | CHF | 0 | 1,395 | 101 | 396 | 7,187 | 15,115 | 19,224 | 18,025 | 17,313 | 17,206 | 17,206 | 17,206 |
| Investments | | 2018A | 2019A | 2020A | 2021A | 2022A | 2023E | 2024E | 2025E | 2026E | 2027E | 2028E | 2029E |
| App development | CHF | | | (15,994) | | | | | | | | | |
| Watchmefly.net | CHF | | | 0 | (20,416) | (1,500) | (5,170) | | | | | | |
| Sensor prototype | CHF | | (234) | (835) | | | | | | | | | |
| Sensor investment | # | | | 42 | (20) | | | | | | | | |
| Sensor price | CHF | | | 380 | 280 | | | | | | | | |
| Sensor investment | CHF | | 0 | (15,960) | 3,764 | | | | | | | | |
| Total investments | CHF | 0 | (234) | (32,789) | (16,652) | (1,500) | (5,170) | 0 | 0 | 0 | 0 | 0 | 0 |
| Cash flow statement | | 20184 | 20104 | 20204 | 20214 | 20224 | 20225 | 20245 | 20255 | 20265 | 20275 | 20295 | 20205 |
| Cash flow statement | CHF | 2018A | 2019A | 2020A | 2021A | 2022A | 2023E | 2024E | 2025E | 2026E | 2027E | 2028E | 2029E |
| Operating income | | 0 | 1,395 | 1,077 | 1,966 | 8,755 | 16,615 | 20,949 | 21,325 | 21,113 | 21,006 | 21,006 | 21,006 |
| Operating costs | CHF | 0 | (224) | (976) | (1,570) | (1,568) | (1,500) | (4,000) | (4,000) | (4,000) | (4,000) | (4,000) | (4,000) |
| Net investments FAI | CHF | 0 | (234) | (32,789) | (16,652) | (1,500) | (5,170) | 16.040 | 0 | 0 | 17.006 | 17.006 | 17.000 |
| Total Cash Flow | CHF | 0 | 1,160 | (32,688) | (16,256) | 5,687 | 9,945 | 16,949 | 17,325 | 17,113 | 17,006 | 17,006 | 17,006 |
| | | | | | | | | | | | | | |

FINANCIAL STATEMENT





PILOT REGISTRATION SYSTEM



SANCTION MANAGEMENT

| 2025 | 68th FAI Coupe Aéronautique Gordon Bennett | Coupe Aéronautique Gordon Bennett | Gas Balloons | CAT 1 | Applications Closed |
|------|---|--------------------------------------|---------------------|-------|---------------------|
| 2025 | CAT1 event | Category 1 | | CAT 1 | Applications Closed |
| 2025 | 23rd FAI European Hot Air Balloon Championship | General Continental Championship | Hot Air Balloons | CAT 1 | Sanction Awarded |



BFA NATIONAL ELIGIBILITY LIST





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HACD Task Results

National Eligibility List

National Eligibility List

National Eligibility Ranking



The National Eligibility List (NEL) is an annual ranking of eligible Balloon Federation of America (BFA) and its Hot Air Competition Division (HACD) members. This ranking converts proportional event results to positional NEL results in order to more accurately compare task results from events of varying sizes.

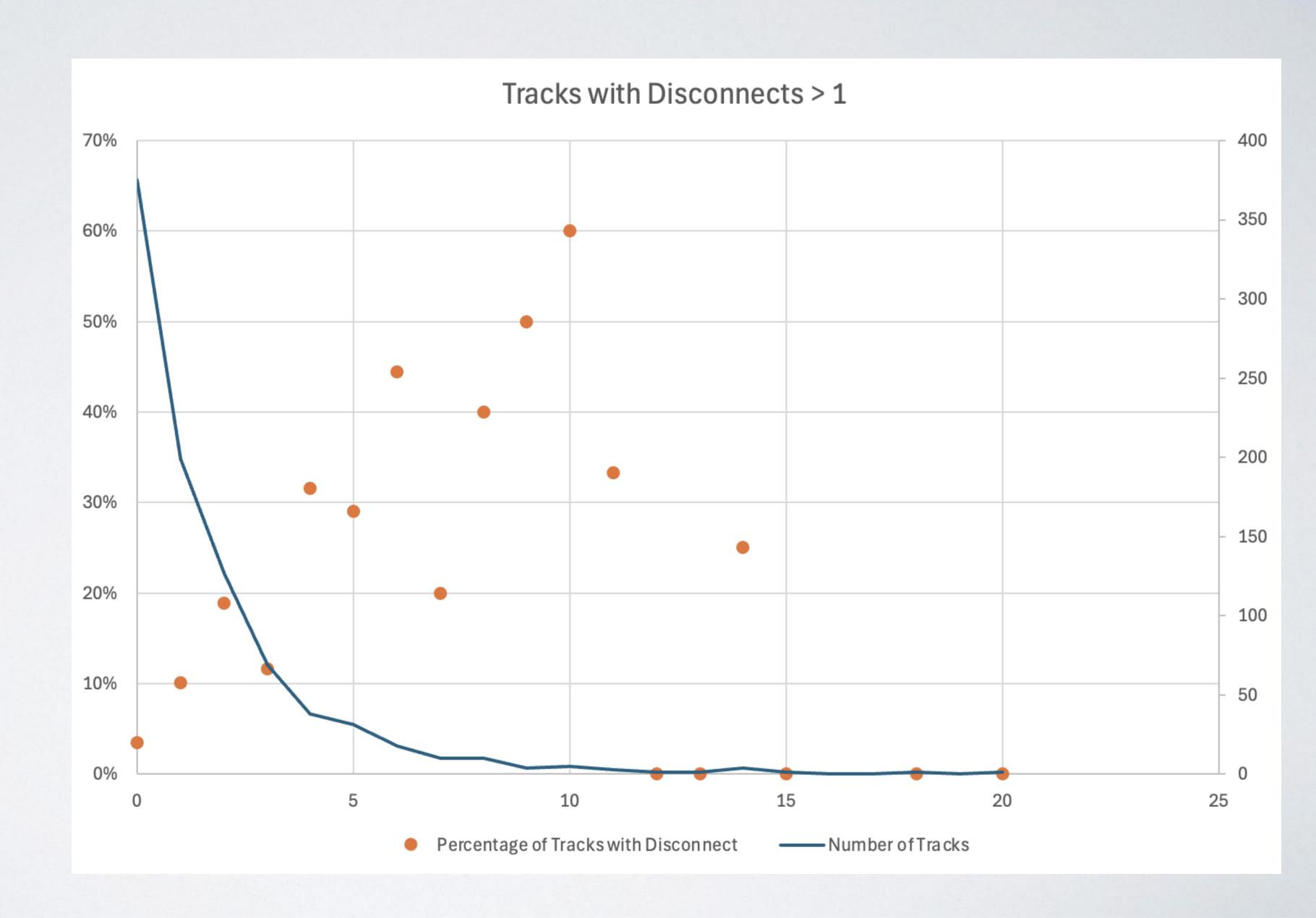
The NEL's primary use is to determine non-automatic qualification into the following year's National Championships.

Any use of the NEL towards the International Eligibility List (IEL) would be secondary and only after all applicable completed National Championship finishes are exhausted (even if one National Championship).

2024 National Eligibility Ranking 2024

| Rank | Pilot | | Score | First 5 Score | Total Tasks | State | Region | |
|------|-------|-----------------|-------|------------------|----------------|------------|-----------|---------------|
| 1 | | SPEICHER, Shawn | 930.1 | 757.4 | 42 | New Mexico | Southwest | View Tasks |
| 2 | | ZVADA, Joe | 919.8 | 715.0 | 48 | Texas | Southwest | View Tasks |

PROBLEMS?





PROJECTS 2025

Proposed Enhancements



EVENT PAGES ENHANCEMENTS

Email Notifications

Implement automated email notifications for new ENB posts and result updates. This has been requested a few times by users and will ensure pilots, officials, and followers are promptly informed of important changes.

Flight Map

Enhance the flight management interface by adding a flight map preview that includes goals. This will provide competition officials with an overview of planned flights before they are launched and offer better visualization for event organizers and media teams.

Officials Page

Develop a dedicated officials' page within event pages, similar to the existing pilot pages. This will help improve the organization of event staff and provide better visibility into the officials managing each event.

Pilot Registrations

Improve the pilot registration process by adding new features, such as email notifications and enhanced management tools. These upgrades will streamline the registration workflow for both pilots and event



SCORING ENHANCEMENTS

Automatic Provisionals

Enable automatic publishing of provisional results on the website. This would be configurable by task type, with built-in rules to ensure a minimum number of pilots have results measured before provisionals are posted.

Flight Analysis Page

Expand the flight analysis page to include a detailed list of logger events, such as drop/declaration events, positions, and other relevant data. This will provide a clearer and more accessible breakdown of flight data without requiring users to open multiple tabs.

Flight Calculator

Add functionality to the flight calculator, including the ability for users to select a track point based on a specific time. This will be useful for scoring and analysis, especially in cases where the last recorded position within scoring time needs to be used for results. There are a number of additional requests that have been made by officials that could be added to the calculators. This functionality has grown organically and would benefit from a review and overhaul.



WORLD & NATIONAL RANKING LISTS

National Rankings

Allow countries to publish their national ranking lists directly on WatchMeFly. Currently, these rankings are submitted for world ranking calculations, but making them publicly available on the site and linking them to pilot profiles would provide greater visibility and transparency.



SANCTION MANAGEMENT

Modifications to FAI Sanction System

Add email notifications to both applicants and administrators to improve communication during the sanctioning process.

Modify form fields to better accommodate the requirements of CAT 1 and CAT 2 events.

Implement various modifications based on previous and upcoming requests to improve the overall sanction management.



PILOT PROFILES & TOOLS

Pilot Merge Tools

Improve the management of the pilot and WatchMeFly member database by adding better deduplication tools. Features such as pilot merge tools and fuzzy logic matching will help reduce errors and improve database accuracy.

Digital Log Book

Introduce a digital flight logbook integrated with the Balloon Live App and other tracking tools. This will allow pilots to automatically log their flights, creating a personal flight record that can also be linked to balloon-specific logs and fleet management systems. This would require some modifications to the Balloon Live App, including introducing a new category of flight (in addition to training and competition). We could potentially look at a subscription package to cover the costs of this.

PRICING PROPOSAL





Pricing Proposal

| | | | * All pr | rices in Australian Dollars (AUD) |
|----------------------------------|---|-------|----------|-----------------------------------|
| Event Pages Enhancements | Email Notifications | | \$600 | |
| | Flight Map | | \$500 | |
| | Officials Page and Profiles | | \$600 | |
| | Pilot Registration Enhancements | | \$400 | |
| | | Total | \$2,100 | Approx. CHF 1200 |
| Capula - Field - Garage - Garage | | | | |
| Scoring Enhancements | Automatic Provisional Scores | | \$1,100 | |
| | Flight Analysis Page Enhancements | | \$400 | |
| | Flight Calculator Enhancements | | \$400 | |
| | | Total | \$1,900 | Approx. CHF 1100 |
| Other | Modifications to Sanction Management System | | \$600 | |
| | Pilot Merge Tools | | \$300 | |
| | National Rankings | | \$800 | |
| | | Total | \$1700 | Approx. CHF 1000 |
| | | | | |

... to approve the budget of CHF 4000 (incl. reserve) for all listed enhancements of WatchMeFly

Additional Enhancement Idea

Digital Log Book for pilots

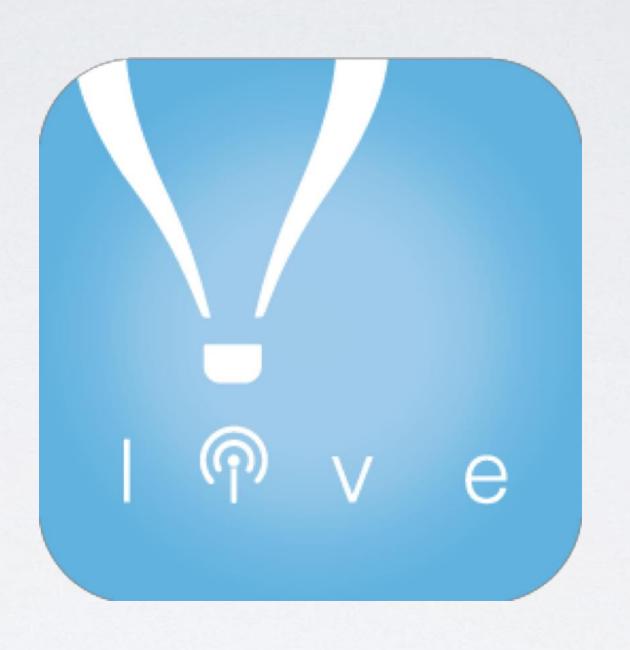
\$4000 - \$6000 (AUD)

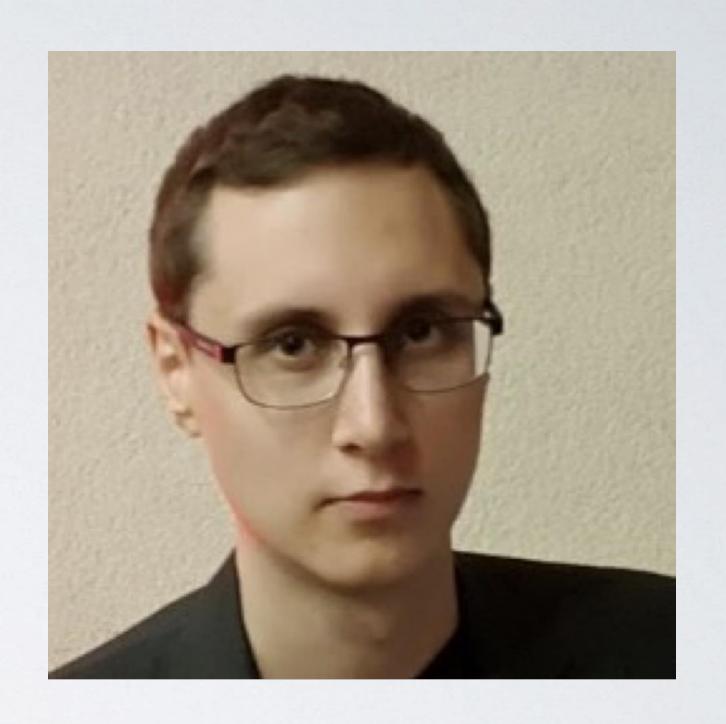
^ Price Estimate only. Will require further scoping if there is interest and discussion about possible subscription service. This will also require updates to the Balloon Live App to allow non-competition flights to be tracked.

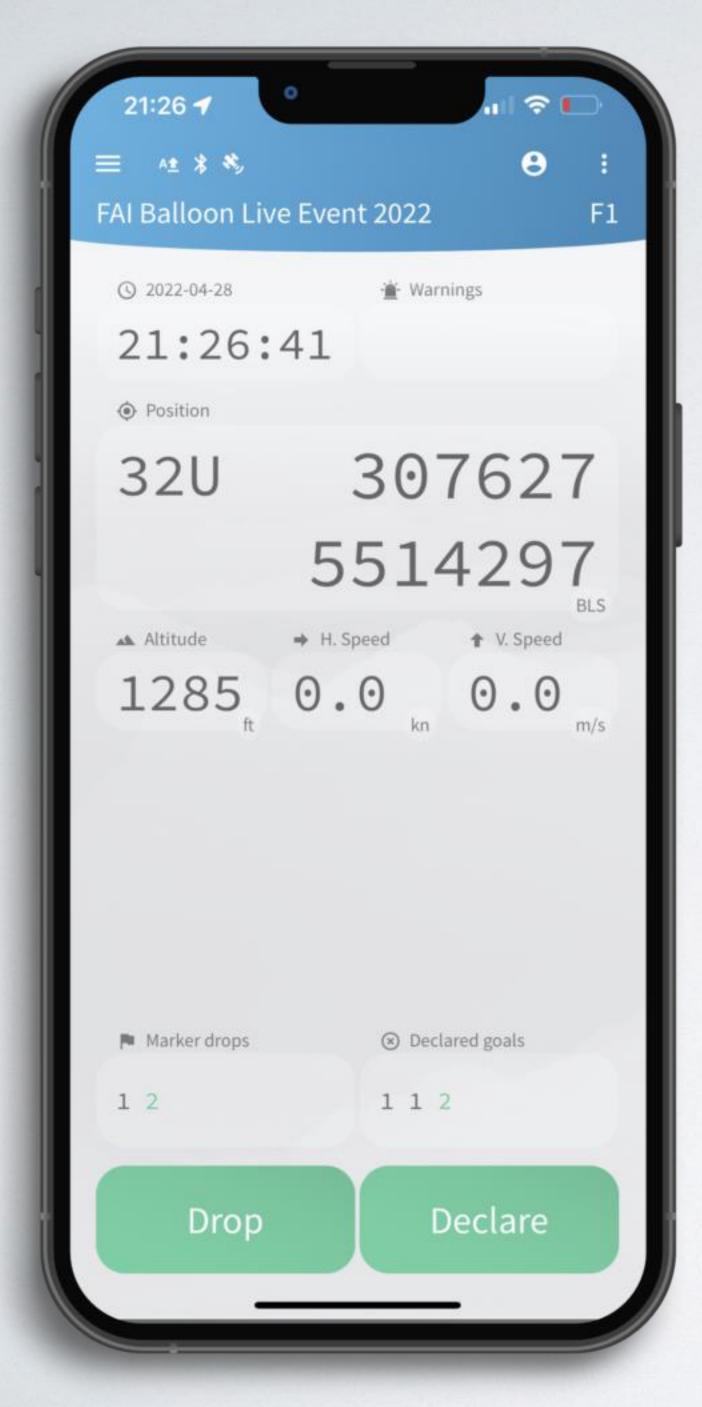
RECOMMENDATION

... for CSC to integrate a question in the 2026 questionnaire about potential interest of developing a log book (with paid subscription)











Rewrite of Balloon Live app

Why is a rewrite to React Native necessary?

Issues with the Current App

- · The app is built using the old Xamarin framework
- · Microsoft has officially ended support for Xamarin
- · Maintenance has become increasingly difficult and costly
- · Some issues cannot be fixed due to lack of support
- · Performance issues and outdated UI affect user experience





Why Choose React Native?

- React Native is actively maintained by a large developer community
- Cross-platform compatibility (iOS & Android) with a single codebase
- Modern UI/UX components improve usability
- Faster development cycle and better maintainability
- Integration with the latest third-party libraries and tools

Benefits of Rewriting the App

- Easier maintenance and future updates
- Improved performance and responsiveness
- · Enhanced security and compatibility with new devices
- · Opportunity to add new features and improve user experience
- Lower long-term costs compared to maintaining an outdated framework



Key Features of the New App

- · Ability to track hot air balloon participants in real-time
- · Users can drop virtual markers and declare goals
- Intuitive and modern user interface
- · Reliable performance on both iOS and Android
- · Scalable for future enhancements and integrations

Investment & Cost Justification

- Estimated rewrite cost: €2500 (approx. 2400CHF)
- React Native ensures long-term support, reducing future maintenance costs
- Avoids the risk of complete application failure due to outdated technology
- Provides a better user experience, leading to higher user engagement
- Future-proof solution with scalability for additional features



... to approve the budget of CHF 2400 for the rewrite of the Balloon Live app

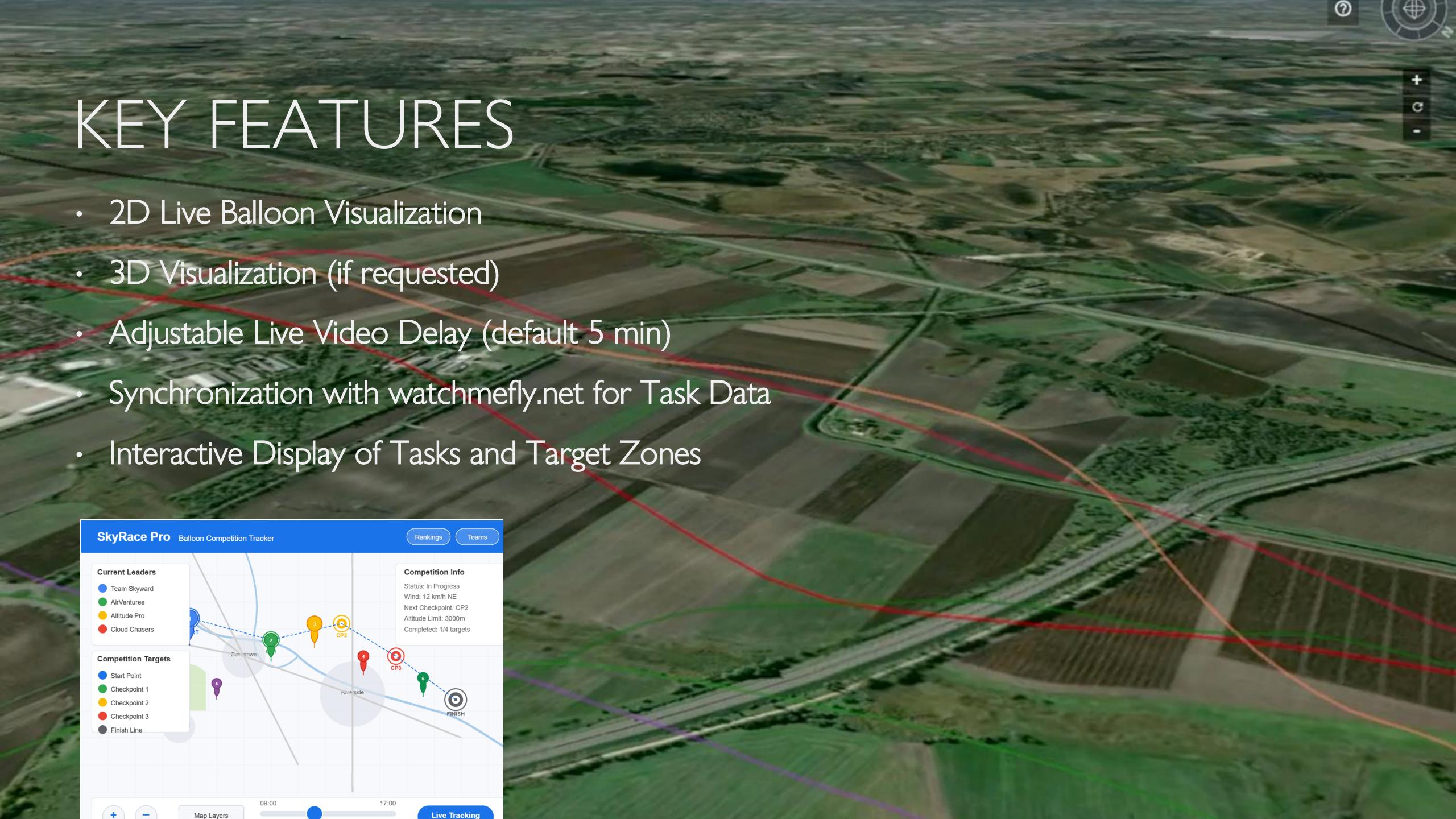
HOT AIR BALLOON COMPETITION VISUALIZATION SOFTWARE



INTRODUCTION

This proposal outlines the development of a visualization software designed to enhance the experience of hot air balloon competitions. The software will provide real-time tracking of balloon positions and interactive task management.

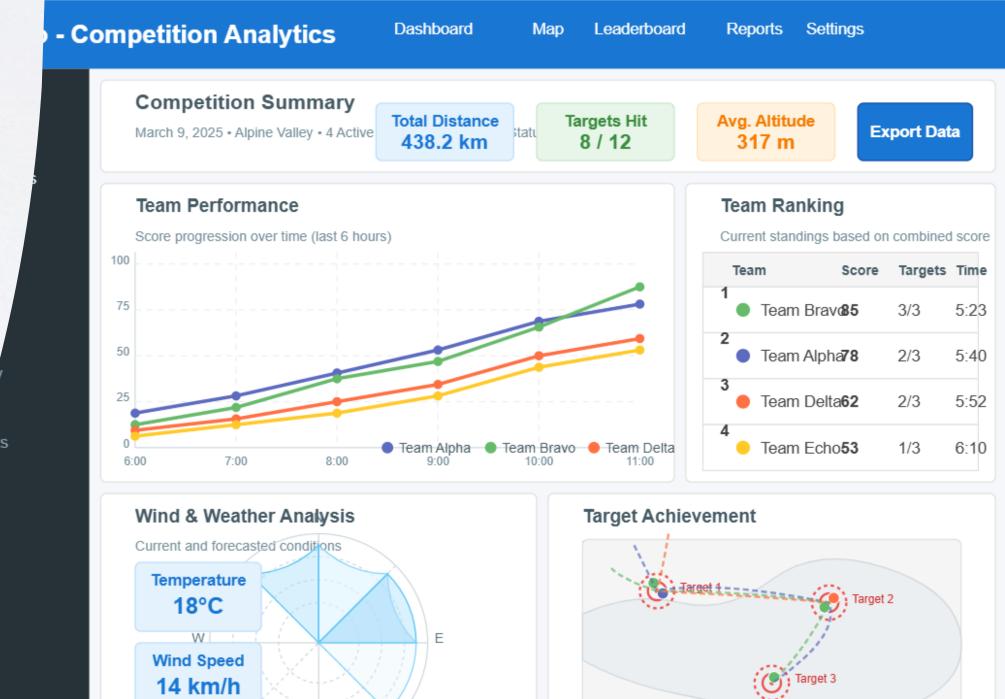




ADDITIONAL FEATURES

- Visualization of Sponsor Advertising
- · Live Tracking for Competition Officials
- Integration with Other Visualization Systems and Sensors
- · User Customization Options (Themes, Data Layers, etc.)
- Automated Competition Analytics and Insights



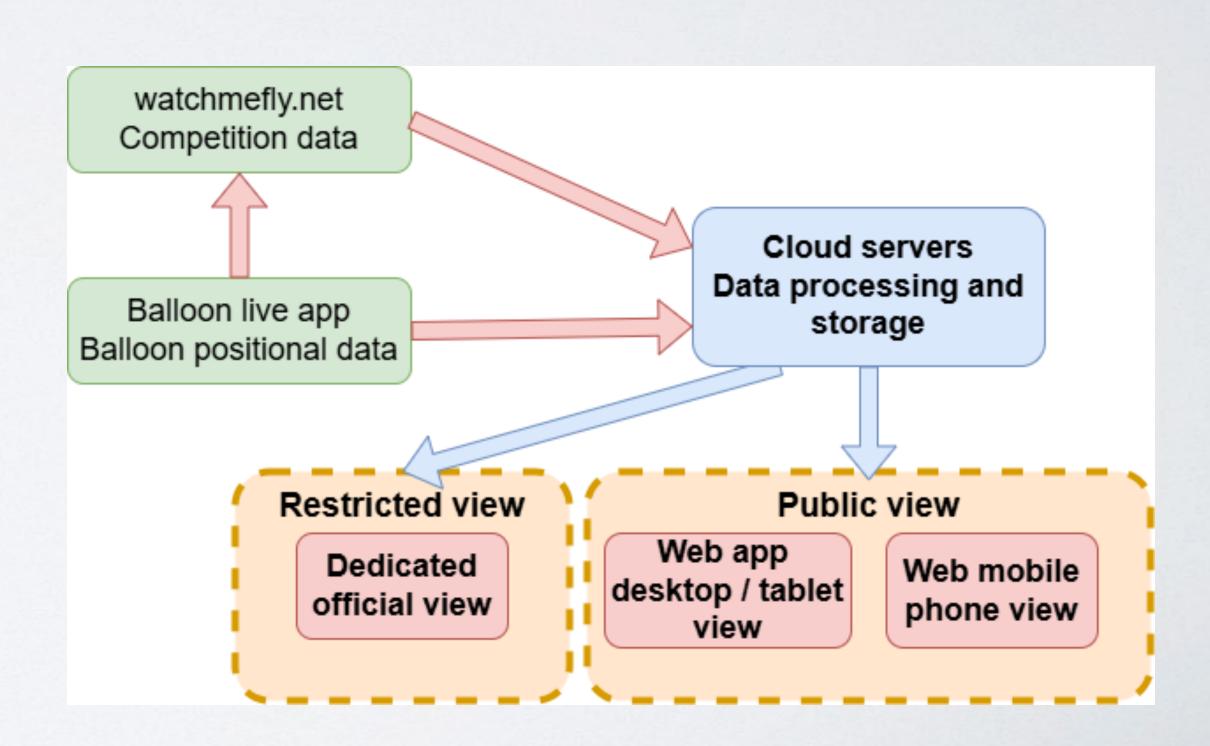


tions

Options

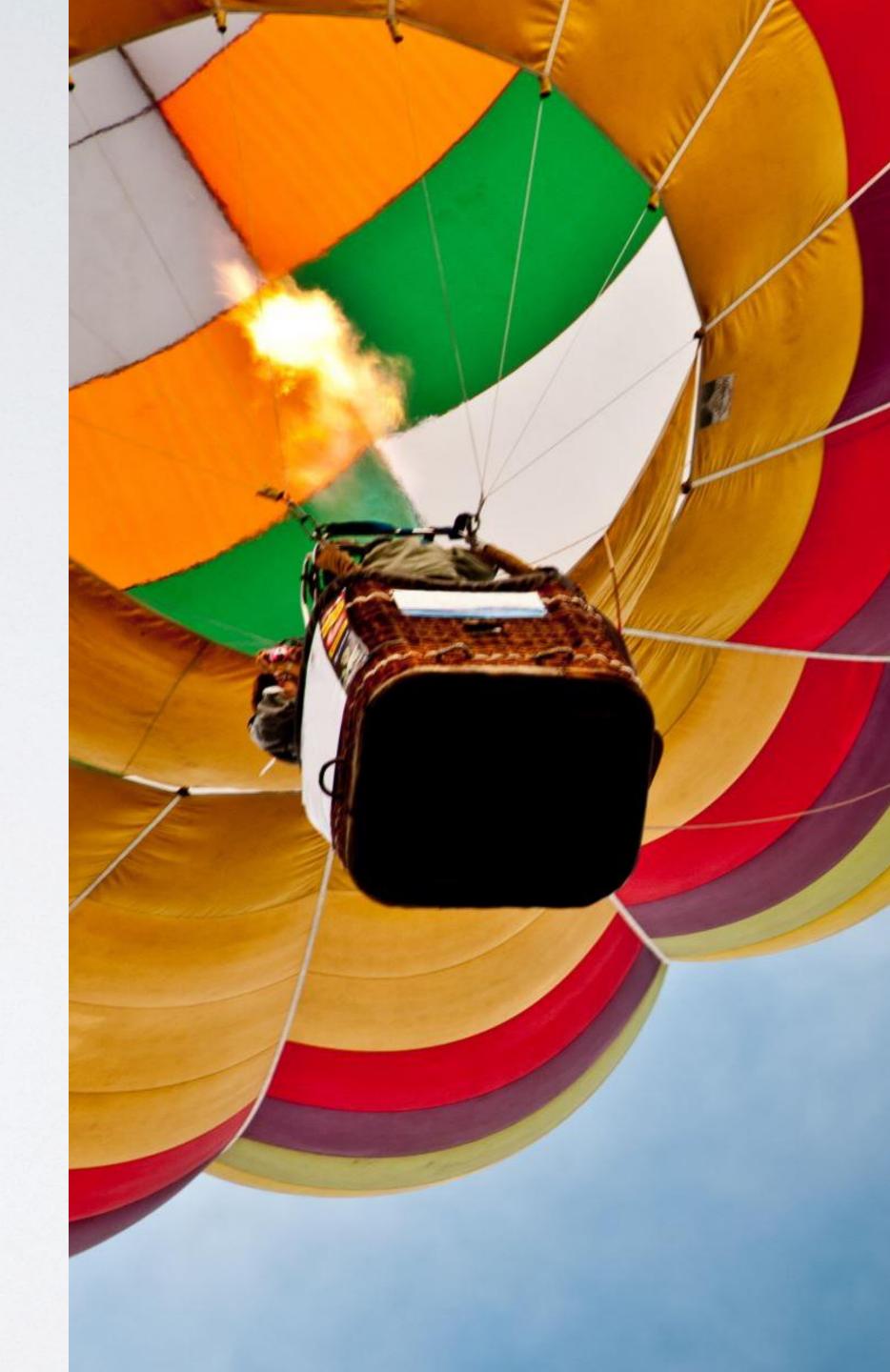
TECHNICAL CONSIDERATIONS

- Data Source: Balloon Live App for Real-time Positions
- API Integration with watchmefly.net
- Cloud-based or Local Deployment Options
- Mobile and Web-based Access
- Scalability for Different Competition Sizes



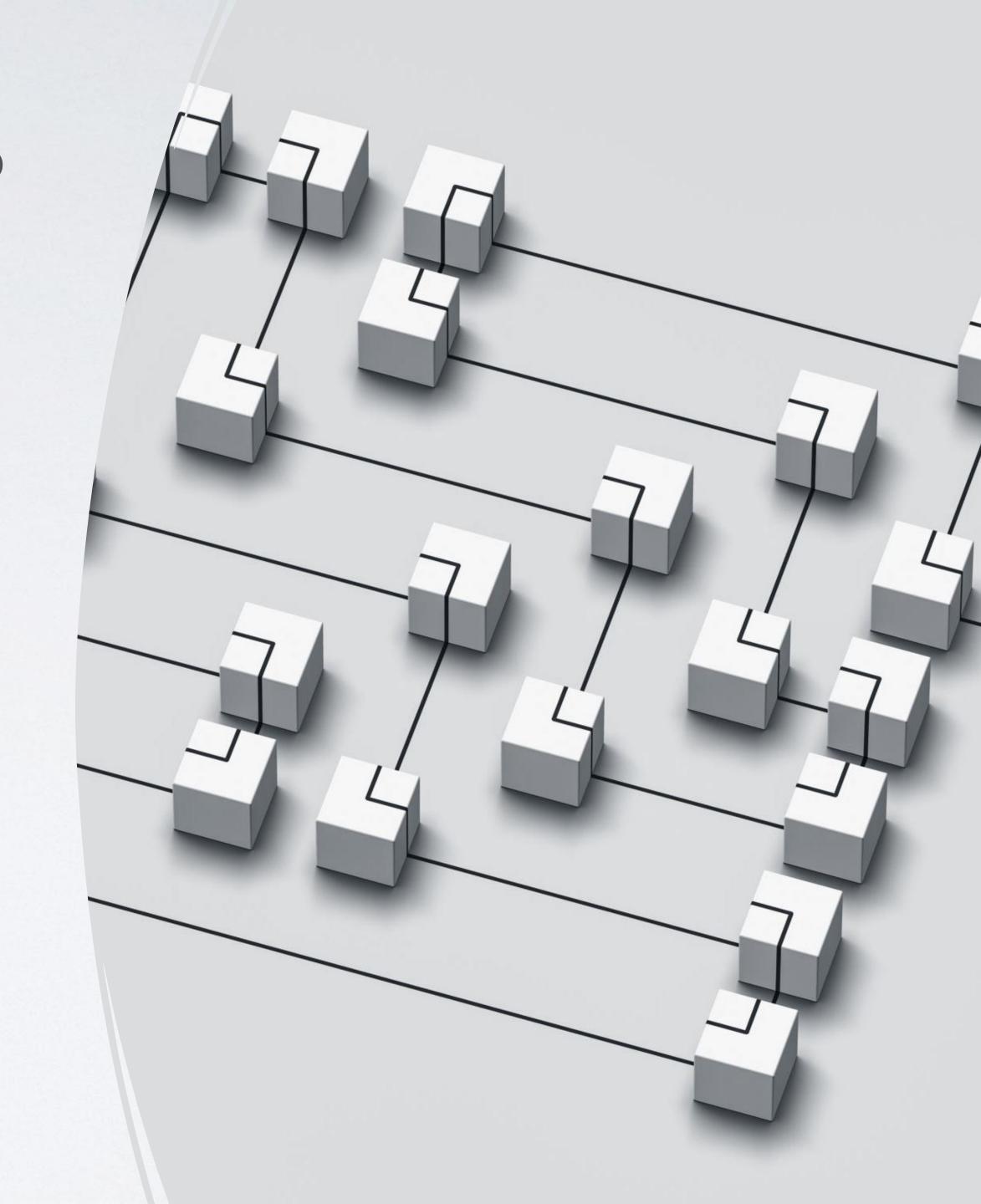
BUSINESS BENEFITS

- Enhanced Audience Engagement with Live Visuals
- Improved Competition Management & Accuracy
- · Increased Sponsorship Opportunities via Branding Integration
- Competitive Differentiation for Event Organizers
- · Potential for Subscription-based or Pay-Per-Event Monetization



DEVELOPMENT ROADMAP

- Requirement Analysis & Planning
- Prototype Development & Testing
- API Integrations with External Data Sources
- · User Interface & Experience Design
- Deployment & Beta Testing
- Full Release & Support



... to approve a maximum budget of CHF 12'000 for the development of a visualization solution for Balloon Live

THANKYOU

... to approve the budget of **CHF 4000** (incl. reserve) for all listed enhancements of WatchMeFly

... to approve the budget of CHF 2400 for the rewrite of the Balloon Live app

... to approve a maximum budget of CHF 12'000 for the development of a visualization solution for Balloon Live