Service Introduction

Online
Observation

Archive bouldering problem for Routesetters, Gyms, Promoters, and Climbers.

https://OnlineObservation.com

VR ready

About OnlineObservation ®
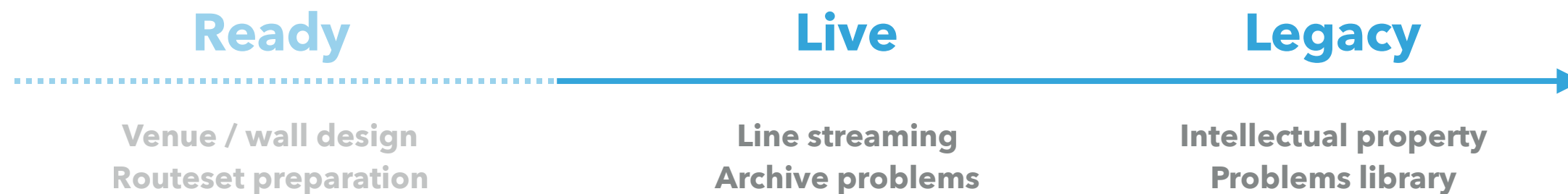
Online Observation

for the cultural and industrial improvement of sport climbing.
A service that utilizes xR technology.
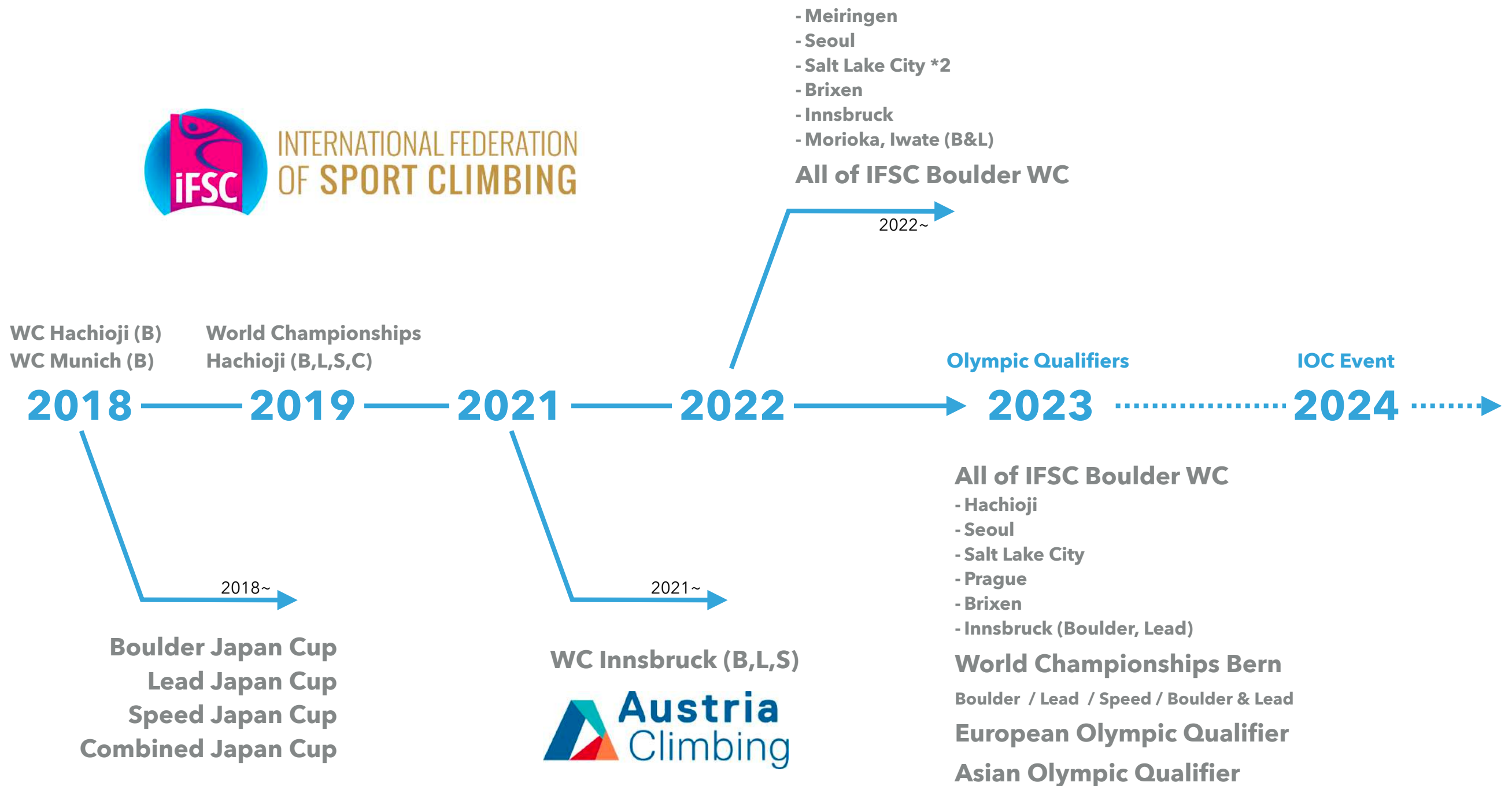(xR : a generic term for Virtual Reality ,Augmented Reality ,Mixed Reality)

Our aim is to increase the value of sport climbing contents by 3D archiving.
Treat bouldering problems & lead / speed routes as Intellectual property.
Current routesetting is one-time use. We change it sustainable.

Because of the high accuracy and tech skills, OO is used for live streaming at the competition.
But all of services are created based on 3D archives of walls and problem.

The system is expected to be used in the [Live ~ Legacy] area.
We are trying to differentiate ourselves from other software that is used for the preparation.

Ready	Live	Legacy
Venue / wall design	Line streaming	Intellectual property
Routeset preparation	Archive problems	Problems library

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History of business (and Future!)

INTERNATIONAL FEDERATION OF SPORT CLIMBING

- Meiringen
- Seoul
- Salt Lake City *2
- Brixen
- Innsbruck
- Morioka, Iwate (B&L)

All of IFSC Boulder WC

2022~

WC Hachioji (B)
WC Munich (B)

World Championships
Hachioji (B,L,S,C)

Olympic Qualifiers

IOC Event

2018 — **2019** — **2021** — **2022** — **2023** ⋯⋯ **2024** ⋯⋯➤

2018~

Boulder Japan Cup
Lead Japan Cup
Speed Japan Cup
Combined Japan Cup

2021~

WC Innsbruck (B,L,S)

Austria Climbing

All of IFSC Boulder WC
- Hachioji
- Seoul
- Salt Lake City
- Prague
- Brixen
- Innsbruck (Boulder, Lead)

World Championships Bern

Boulder / Lead / Speed / Boulder & Lead

European Olympic Qualifier

Asian Olympic Qualifier

JMSCA
Technical Supplier

Service Overview

A service that uses xR technology to solve the "Can't understand" at sport climbing competitions.

https://youtu.be/ZfzCByI63-I

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Current issue

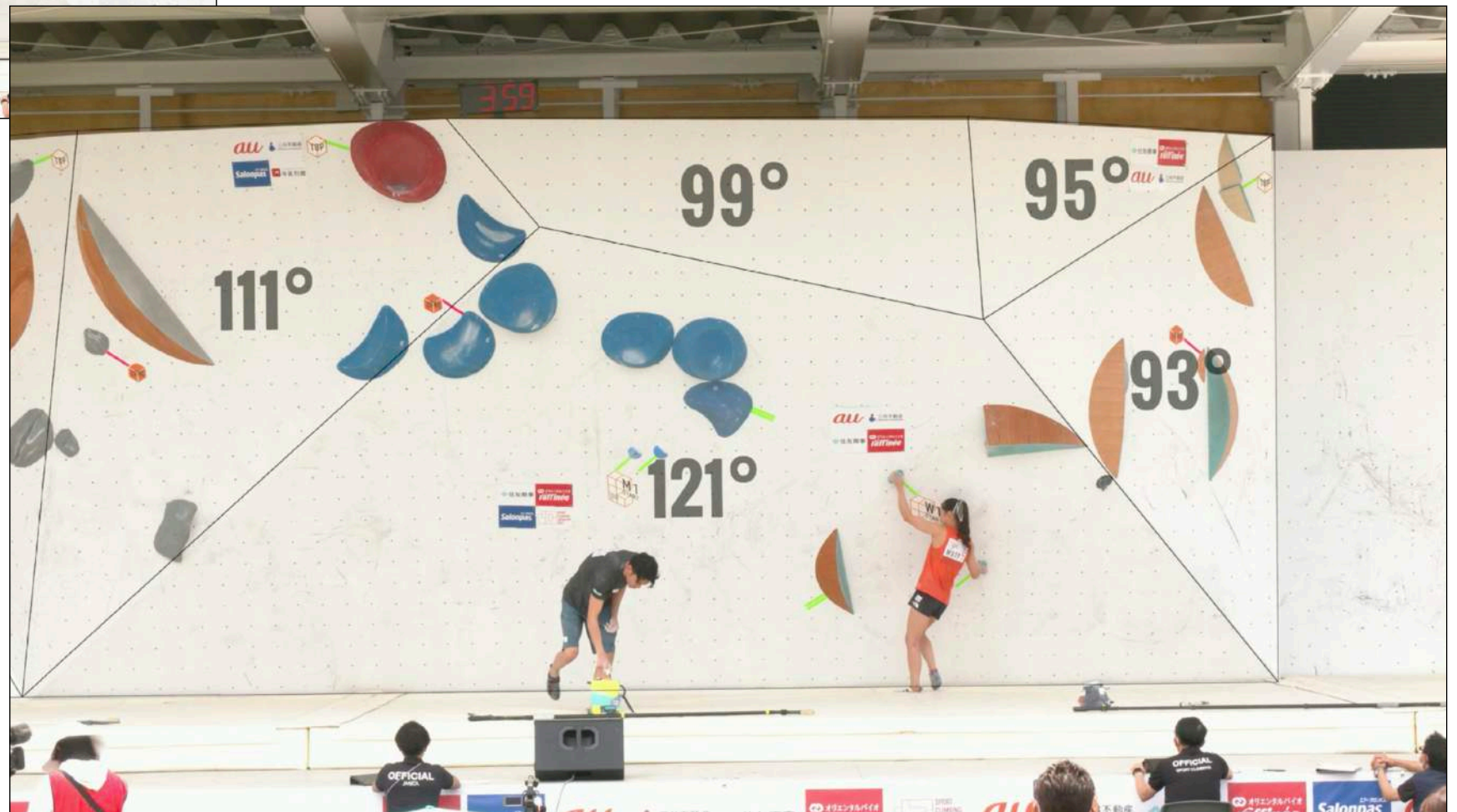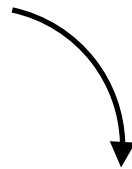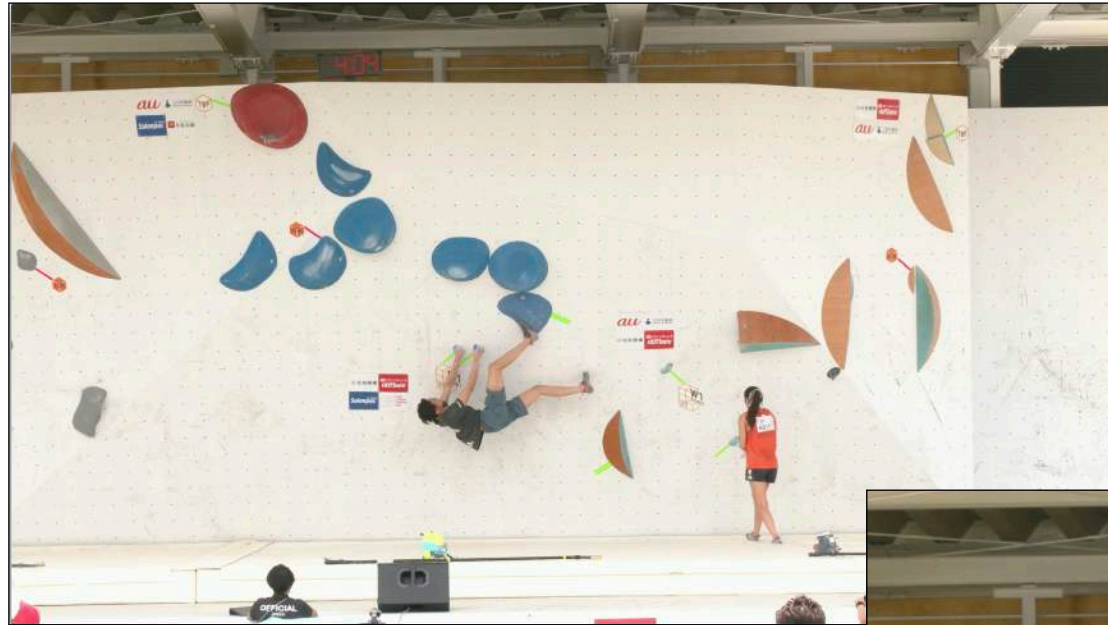**"Can't understand" how the slope of the wall is just by looking at the image from the front.**
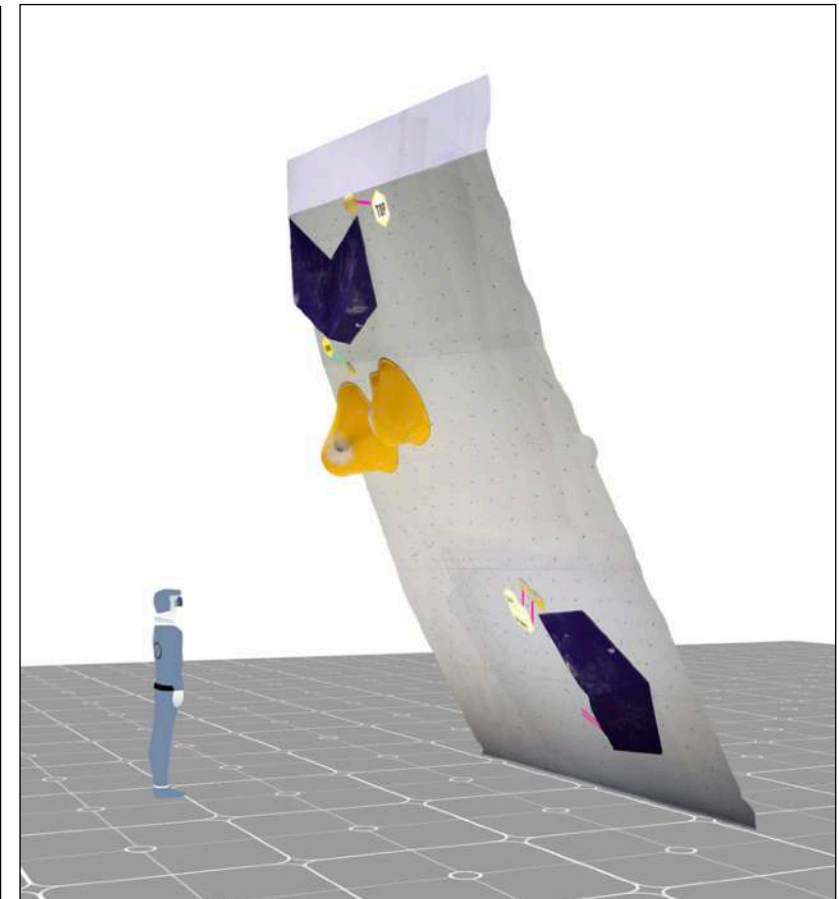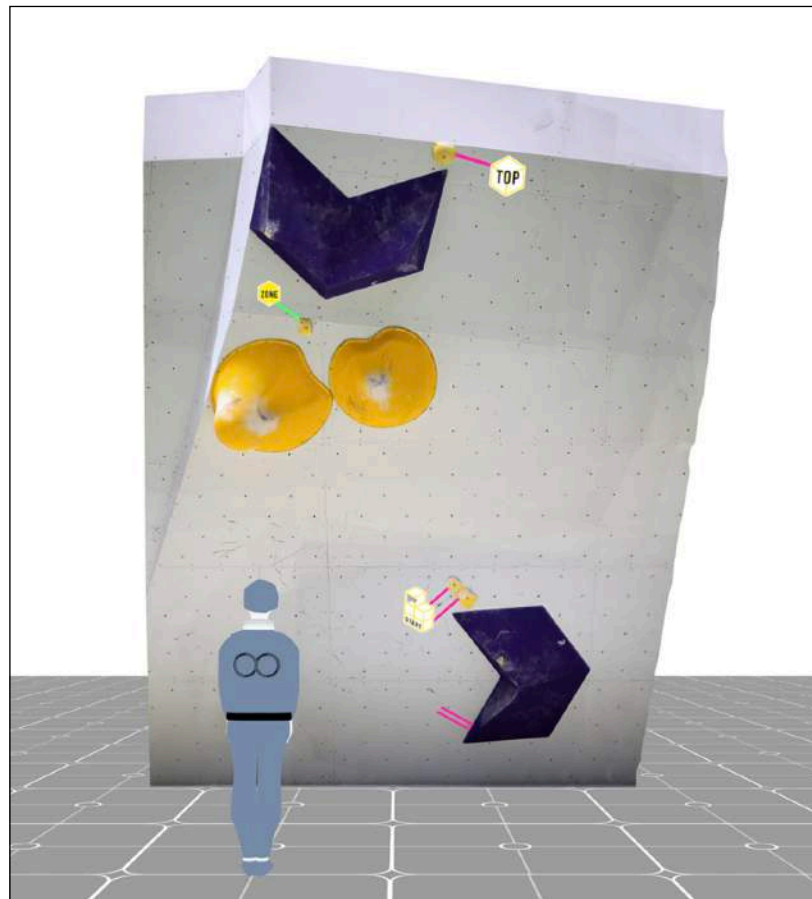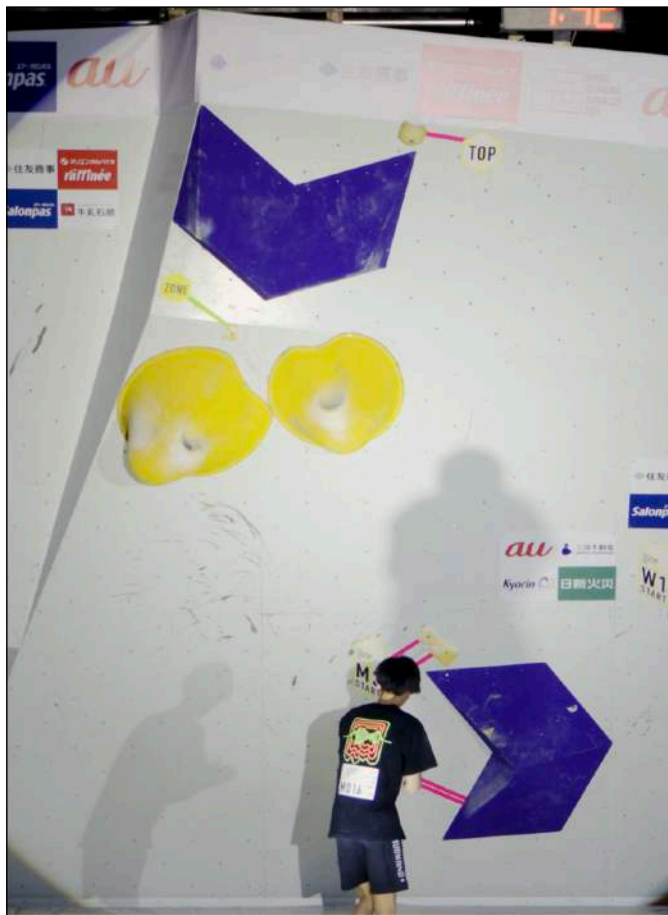
Solved with [VR Observation video]

**By using 3D scanning technology,
people can observe the problem (route) from a side angle.**

https://youtu.be/ZmnbaJldKuY

Current issue

"Can't understand" what the wall shape is, just by looking single-color wall.

Solved with [Angle Overlay]

By displaying the wire frame of the wall and the angle of inclination in AR, the shape and inclination can be easily understood.

https://youtu.be/ZmnbaJIdKuY

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Current issue

In the first place, "Can't understand" who they are.

Solved with [Virtual Banner]

Various information (including sponsor banners) is displayed in AR. by using a space that does not interfere with the competition.
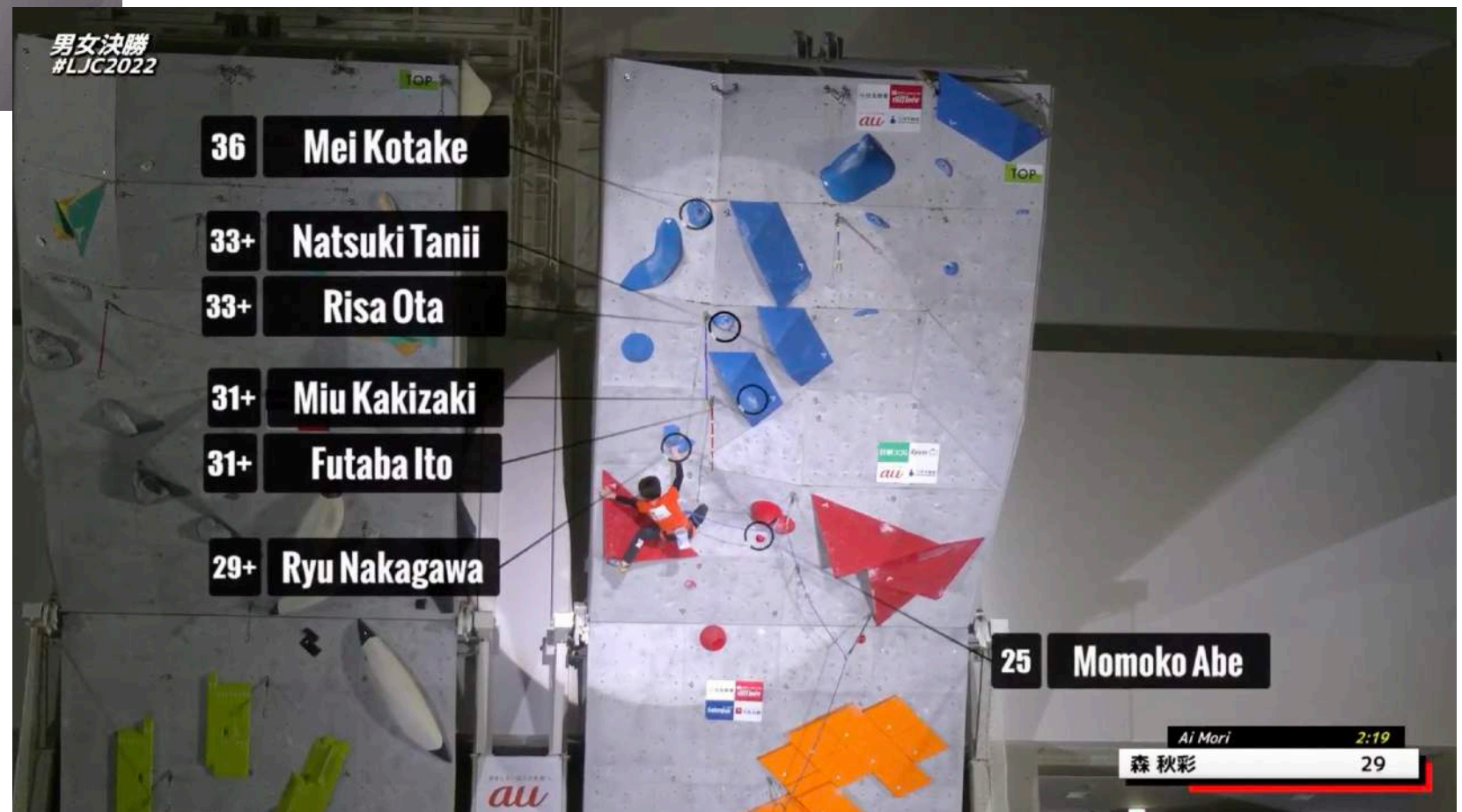
https://youtu.be/ZmnbaJldKuY

Current issue

Don't know the rules and scores. So people "Can't understand" the ranking.

What people don't understand：

Score of past climber
Temporary ranking of the current climber

Solved with [Result Overlay]

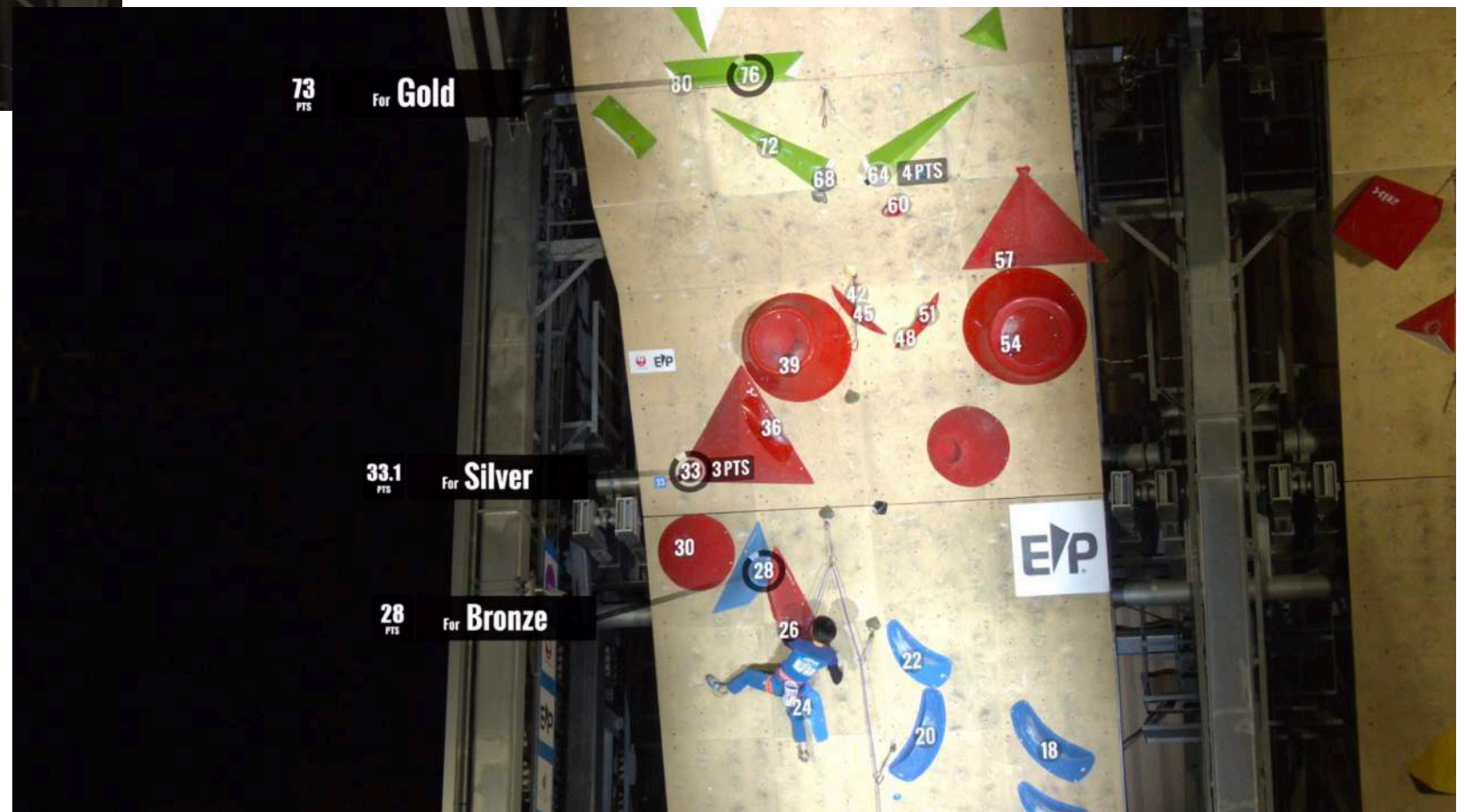By displaying the AR score on the wall, the ranking becomes clear in the image.

https://youtu.be/0WPkkmLmpFE

Current issue

Don't know the hold number of the routes. So people "Can't understand" the Points.

What people don't understand：

**Holds number (Points) of the routes
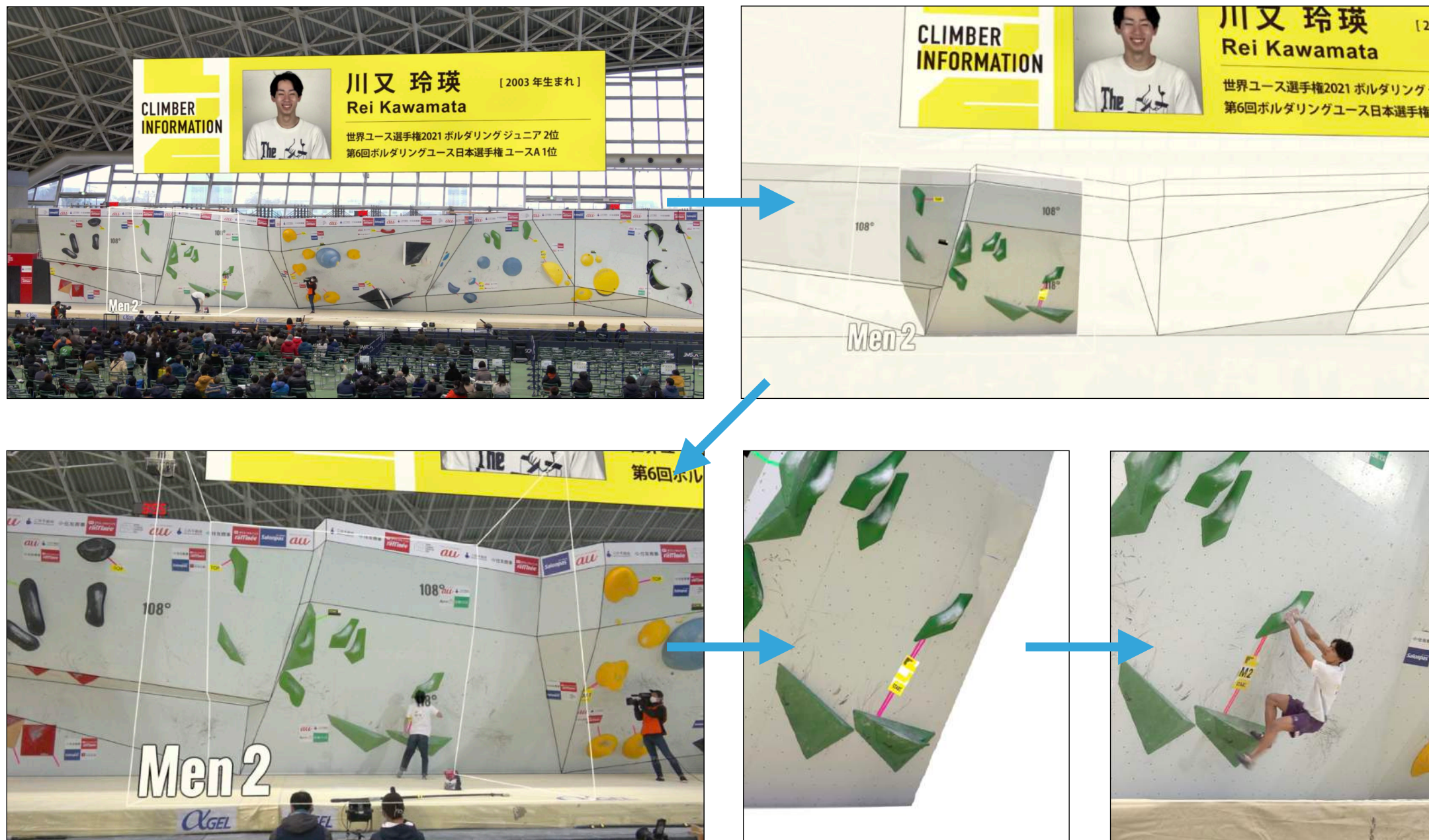Require Points for Bronze, Silver, Gold.**

Solved with [Point Overlay]

**By displaying the AR Point on the wall,
Required hold for specific ranking becomes clear in the image.**

https://youtu.be/6ZVa-LcHViU

Current issue

"Can't understand" the difficulty and the beta only from the problem.
"Can't understand" the details of the problem only from the climbing video.
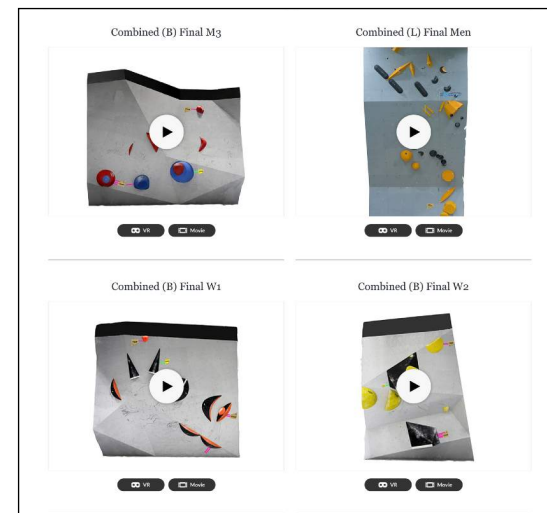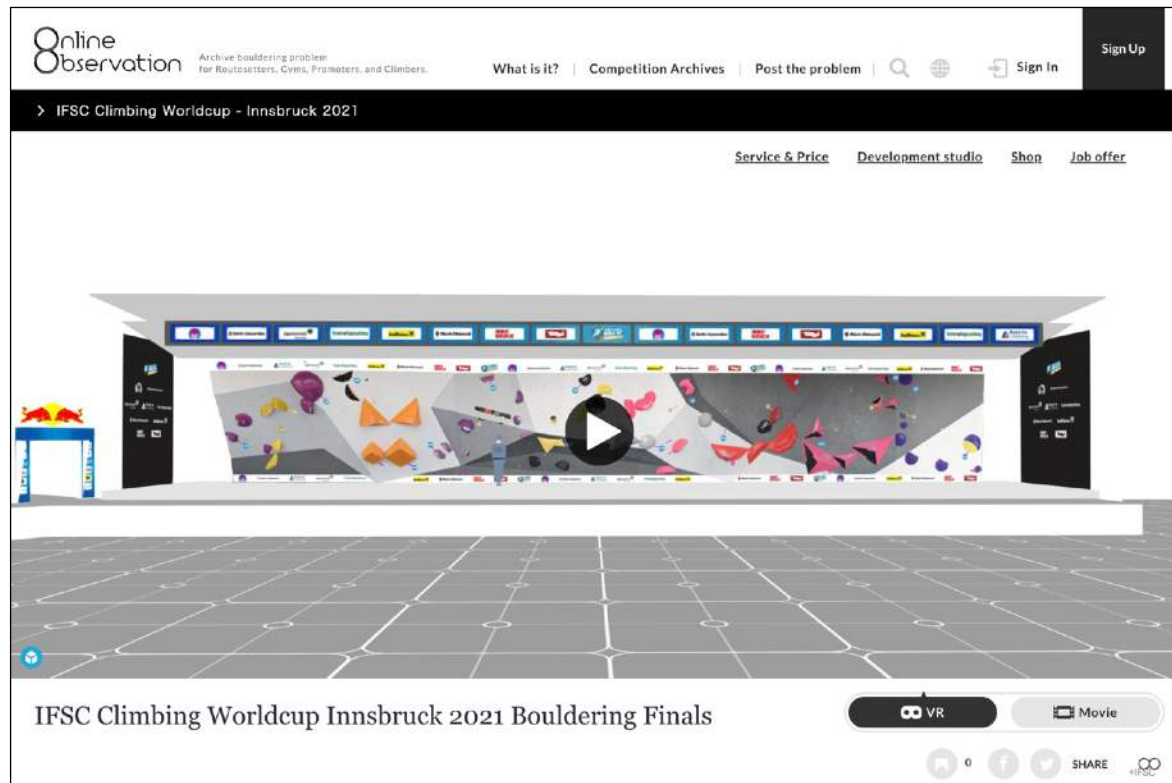

Solved with [MR Climbing video]

By Seamlessly edit "VR Observation video" in the same position as the actual video,
It shows all elements of the bouldering problems in a single video.

https://youtu.be/dc5RLzvfC6Q

Current issue

In the limited time, "Can't understand" the details and "Can't understand" when who made it with which holds.

Solved with [Web Archive, NFT (non fungible token)]

**A website where people can observe as many problems as they like with any angle and no time limit.
The problems will be saved with the hold brand, setter, beta, etc.**

https://onlineobservation.com/

Service Fee per finals (Men & Women)

ex. Boulder = 6~8 problems, Lead = 2 routes

€ / EUR

	Service	Fee	Cost	Work style & Schedule
VR	**VR Observation video** **Web Archive**	5000	3500	Required for AR & MR services Available on Work Remotely without **Cost** Spend 2-3 days, Job starts from routesetting day
	With **SketchUp data**	2500	0	Data assembly is required before starting a job at the venue
	With **Sponsor banner**	2500	0	
AR	**Angle Overlay** **Result Overlay** **Point Overlay**	5000	5000	Spend 2-3 days to setup Operate real-time for the live feed Additional operating staff needed
	Virtual Banner	2500	0	Data assembly is required before starting a job at the venue
MR	**Moving Camera System** **Additional AR Camera**	5000	5000	Spend 4-5 days to setup Operate real-time for the live feed Additional operating staff needed

Cost Includes Hotel, Travel, and Transport Fee.

With SketchUp data & banners

Moving Camera System

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