



News Release

Jun 15, 2023

**MIRAIT ONE Corporation  
FIREWORKS Inc.****[MIRAIT ONE Corporation / FIREWORKS Inc.]****Commencing Provision of “Event DX: Setup Planning Service” for Reducing  
Event Venue Setup Costs with Digital Twin Technology****A new service supporting by 3D technologies the venue setup for events such as fireworks  
festivals, sporting events and music festivals**

MIRAIT ONE Corporation (head office: Koto-ku, Tokyo; President and Chief Executive Officer: Toshiki Nakayama; “MIRAIT ONE”) and FIREWORKS Inc. (address: Rikuzentakata-shi, Iwate; Representative Director: Katsuhiko Asama; “FIREWORKS”) will commence the joint provision of the “Event DX: Setup Planning Service” on June 15.

MIRAIT ONE and FIREWORKS conducted a field trial of “Event DX” for increasing the sustainability of holding fireworks festivals through a combination of a variety of technologies and services such as digital twins, local 5G and DX Wi-Fi® at the Sanriku Fireworks Competition hosted by FIREWORKS in 2022. The “Event DX: Setup Planning Service,” which is a service for supporting the planning of event venue setup utilizing digital twins in that process, will begin to be provided the first service for “Event DX.”

Normally, “venue setup and safety measure expenses” such as the preparation of fixtures such as large numbers of tents and chairs required for venue setup, security guards and safety measures for traffic control account for a large amount of the event hosting expenses for large-scale fireworks festivals. The “Event DX: Setup Planning Service” provided by MIRAIT ONE and FIREWORKS is a service for reducing costs for “venue setup and safety measure expenses” by reproducing an accurate three-dimensional (3D) plan of the event venue on a PC using digital twin technology for venue setup and safety measures that had been performed using two-dimensional (2D) plans in the past, and performing simulations using the 3D plan.

The 3D plan enables the planning of appropriate placement of fixtures such as tents and chairs with consideration for uneven terrain and movement lines of people, thereby enabling the reduction of unnecessary orders for items that are not used on the day of the event. Furthermore, it also reduces the inconvenience of performing on-site checks of the site because the conditions of the venue can be checked from a person’s perspective. 3D plans can also reduce the work required for explanations

because the content of security plan briefings for local governments and the police is easier to convey than when using 2D plans. 3D plans can be shared with tablets and smartphones via the cloud, enabling smooth transportation and operation by sharing the setup plans with transportation companies and operational staff.

The “Event DX: Setup Planning Service” has been implemented for the “SOMA FIREWORKS FESTIVAL 2023” (venue: Matsukawaura New Fishing Port, Soma-shi, Fukushima; date: June 22, 2023; executive committee: Soma Yappesuppe Creation Committee) and setup planning is being conducted using a 3D plan.

An online seminar on the “Event DX: Setup Planning Service” explaining the benefits of introducing the service in detail with a demonstration of the 3D plans is scheduled to be held in July 2023. The date and format will be announced separately.

In future, MIRAIT ONE will work with FIREWORKS to offer the “Event DX: Setup Planning Service” not only for fireworks festivals, but also for large-scale events such as professional sporting events and music festivals, and contribute to regional revitalization in many regions by increasing the sustainability of holding events.

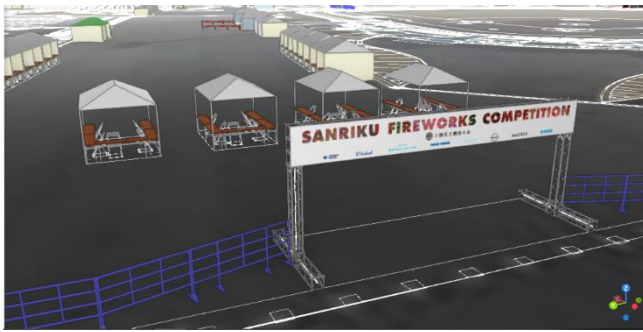
#### < About MIRAIT ONE Corporation >

MIRAIT ONE Corporation was launched on July 1, 2022 through the integration of MIRAIT Holdings Corporation, MIRAIT Corporation, and MIRAIT Technologies Corporation. MIRAIT ONE has established “co-creating an exciting future through challenges and technology” as its purpose (significance of existence), and is engaged in the resolution of issues faced by customers and society and regional revitalization by promoting initiatives such as urban development and regional development, corporate DX and GX, green business and global business based on the technical capability cultivated until now in telecommunications facility construction and the civil engineering business.

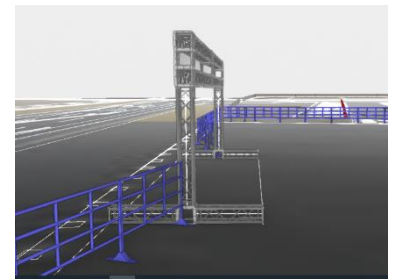
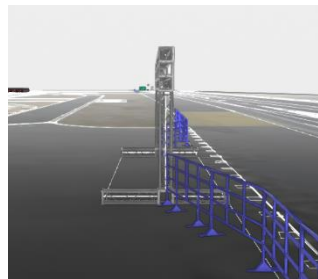
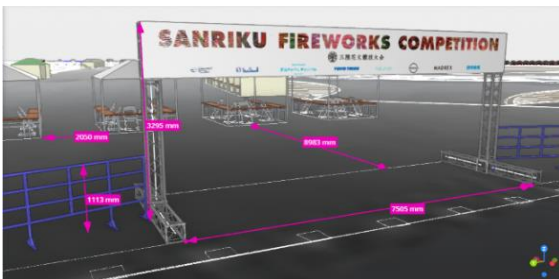
#### < About FIREWORKS Inc. >

FIREWORKS was born in Rikuzentakata, Iwate, which is in the Sanriku region, in April 2021 with the desire to inspire Japan's world-renowned fireworks industry and cheer up Japan from a local region through sustainable and advanced operation of fireworks festivals with a private company as the principal operator. FIREWORKS will provide support for hosting fireworks events nationwide, the operation of companies hosting fireworks events and ticket sales, and conduct collaborative projects with major corporations utilizing fireworks content.

## Overview of “Event DX: Setup Planning Service”

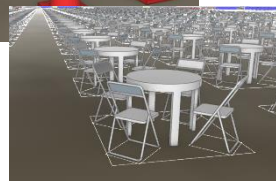
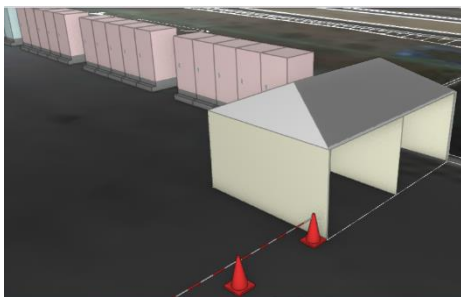


### ① Measurement and viewing using 3D plans



The size of objects and the spacing of placement can be accurately measured. The venue can be viewed from all angles without going on site.

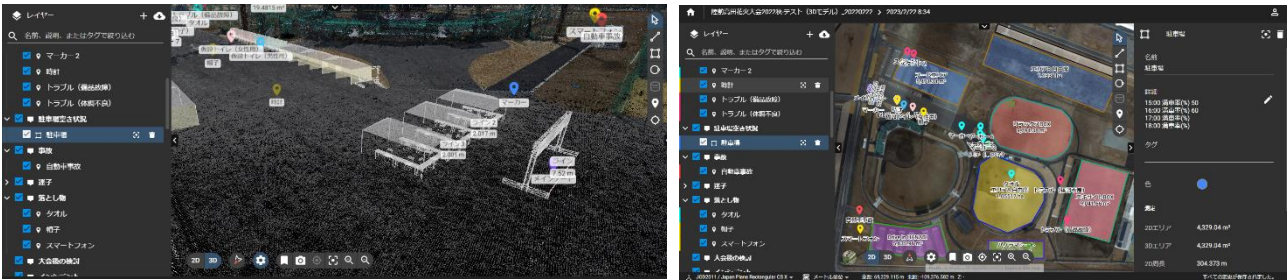
### ② The work required for venue layout and placing orders is reduced



Definition Name	Quantity
イレクターフェンス	90
エキサイトBOX	962
カラーコーン	36
テント	4
テント1. 5 * 2	26
テント2 * 3	5
テント2 * 4	11
テーブルセット	756
トラパー	24
ネットフェンス	281
パイプ椅子	570
ペアシート	502
メインゲート	1
仮設トイレ1	15
仮設トイレ2	25
総計	3308

Layout of objects such as restrooms and tents at the can be arranged with consideration for factors such as uneven terrain. It is simple to produce a list of the large quantities of fixtures placed, reducing the work required for placing orders.

### ③ 3D plans can be shared via the cloud. Transportation and operational support



Plans can be viewed with smartphones and tablets. This supports transportation based on setup plans. Information such as parking percentages and lost property can also be entered. This supports operation of events.