Example of Introduction

# FC Machida Zelvia

## LTAS LTO Archiving system


## Background & System Overview

FC Machida Zelvia was founded in 1989 with the idea of "creating a football club that represents Machida, a city of football". FC Machida Zelvia was storing the club's history, information on its players, photos and videos, and data used in public relations activities in the cloud, external HDDs, CDs/DVDs, and other media.
Operating at a new clubhouse starting in the 2022 season, FC Machida Zelvia was looking to implement a high-capacity, centralized system that would allow to quickly find and retrieve the data needed from a variety of media. And then, our LTO long-term data storage system "LTAS LTO Archiving System" was selected because of its ability to be operated inexpensively from a small start, in addition to data offline retrieval.

### LTAS LTO Archiving system

#### Feature

- Long-term storage of large amounts of data on highly reliable LTO tape
- No software installation is required, ready to use immediately because it is supplied with pre-configured system
- Offline management of critical data on LTO tape to protect against ransomware and other computer viruses
- Supports data checking in accordance with “JISZ6019”, a long-term storage method for digital information on magnetic tape

#### For these customers

- Considering to organize and centralize images and video in the sports industry
- Considering to storage and reuse large amounts of data in various fields including broadcasting, video, surveillance, and medical industries
- Considering media that can give, receive, and share large amounts of data with other companies

＊Please contact us for more details.

### Company

FC Machida Zelvia

Mr. Takehisa Ohtomo
President

Mr. Toshiro Okada
GM, Operations and Public Relations Department

# Despite the fact that the system can be easily operated by anyone, all data has been managed centrally, and it has also served as a ransomware countermeasure.

## Need to be able to utilize past data, which is the history of the club, at any time

FC Machida Zelvia, a member of the Japan Professional Football League, is based in Machida city, Tokyo. The club has a long history and has been making "Machida" exciting for more than 30 years, including the days of its predecessor, FC Machida.
Currently belonging to the J2 category, FC Machida Zelvia's goal is to win the J2 championship and be promoted to J1 this season.
UNITEX Corporation became an official club partner last season and supports its activities as one of the Machida-based companies.
Naturally, the amount of data held over the long history of the club has continued to increase. The media used to store data has also changed over time and become more and more diverse, such as miniDVs, CDs, DVDs, BDs, external HDDs, and cloud storage.

Mr. Okada, in charge of operations and public relations, says, "The data is various. There are data that are likely to be used immediately as PR materials, such as photos of each player and there are also some data that will not be used immediately but should be kept for future use, such as videos of past matches and photos of players belonging to the academy. However, various data has been stored in different storage media, so it was not easy to find the data we need. In particular, we felt that searching for old data from hundreds of CDs/DVDs took a lot of effort. Therefore, we decided to work quickly to create an environment in which all data could be centrally managed and the necessary data could be retrieved when needed by the LTO archiving system proposed by UNITEX.
We didn't know much about LTO tape, but UNITEX delivered it as a pre-configured system, so we were able to start using it right away."

This clubhouse has been in use since the 2022 season. This is where the players' training and administrative operations take place, as well as archiving work for the LTO.

## LTO is light, compact, high capacity and durable. It can be easily handled without special knowledge as well.

Mr. Okada says, "LTO tape was also useful for consolidating data on optical media recorded past footage which were kept in about 4 cardboard boxes. In addition to large capacity, LTO is extremely compact size, so data of hundreds of DVDs can be stored on a single LTO and it has enabled us to save a great deal of storage space. It was the first time for us to use magnetic tape like LTO, but we like the fact that we can use it as if it were external HDDs, so we don't need any special knowledge. We have asked our interns to do the archiving to LTO, including data organization, and they can operate it without any problems once they learn how to operate it, even without detailed knowledge of magnetic tape."
As Mr. Okada commented, archiving to LTO can be operated intuitively from Explorer etc. as if it were a removable disk, thanks to "LTFS function", which is registered as an ISO international standard.
LTO is also attracting attention as a countermeasure against ransomware, which has become a social issue in recent years. In addition to "easy to use", "compact", and "large capacity", LTO can be stored offline to protect data from cyberattacks and ransomware.
And data storage on LTO tape contributes to a significant reduction of $CO_2$ emissions compared to conventional hard disk storage. LTO is data storage which contributes to the reduction of the global environmental impact as well.

※Total Cost of Ownership

"I had never even seen magnetic tape before, but I was surprised at how easy it was to operate," comment from one intern.

## High expectations for the development of LTO archiving system that utilizes automatic image analysis with AI

FC Machida Zelvia organizes data before archiving it from the external hard disk to LTO.
For example, the public relations department creates a folder for each player and sorts each photo into that folder. If there are multiple players in one photo, the data is copied and saved in the respective folders. This process is very time-consuming because it is a steady work to check each photo one by one. Also, the amount of data will inevitably increase as the same photo is stored for each player. Mr. Okada says, "We know it is important to organize past data, of course, but the amount of work involved is so large that it is sometimes put off until later. It is difficult to handle this task with reducing work load even by using the metadata functionality of the ArchiveLT software included in the system. Of course we are grateful for the ability to consolidate data, but we have heard that UNITEX is developing an automatic image analysis function that utilizes AI and a function to link with conventional cloud computing. Realizing them, we expect to be able to greatly reduce the amount of work without changing the current method of operation. AI-based sorting may not be 100% correct, but it would be very helpful if it could reduce the amount of work and wasted data as much as possible."
FC Machida Zelvia has high expectations for the future development of UNITEX.
UNITEX not only sells software, but also customizes software to meet customer's needs and develops new technologies.

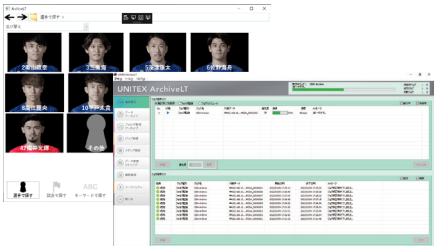

Image analysis image currently under development

Customer Information
FC Machida Zelvia
Machida city, Tokyo, Japan

- Organization and management of professional football matches
- Planning and operation of football academy and football promotion activities
- Providing opportunities for a variety of sports as a regional sports club
- Production and sales of original goods



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