

Central Glass Co., Ltd.

ERP application Microsoft Dynamics 365



Central Glass Building a global standard ERP with Dynamics 365

Central Glass Co., Ltd.



From left in the photo: Mr. Kota Hirose, Mr. Yasutaka Watanabe, Mr. Tadaaki Asahashi, and Mr. Masayuki Oshima from the Information Systems Department

Improvement points

Realizing a global standard ERP system. Construction completed in approximately six months from the start of development. Implementation period shortened to three months.

Introduction products

Microsoft Dynamics 365

POINT

With the cooperation of Yokogawa Solution Services, which has built a highly sophisticated global standard ERP template, we have achieved stable operation with Dynamics 365.

Issues before implementation

- The subsidiary established in the Czech Republic will be the first in the group to implement a global standard ERP system, in order to respond to future expansion of overseas business.
- We wanted to build a global standard ERP system by utilizing as much basic Dynamics 365 as possible.



Effects of implementation

- **Building a global standard ERP template to avoid vendor lock-in**
Utilizing proposals from Yokogawa Solution Services, which is familiar with Dynamics 365. The system was up and running about six months, with the aim of local implementation in three months.

In order to respond to the overseas expansion of its business, the Information Systems Department of Central Glass was considering building a standard ERP system that could be used globally.

Aiming to successfully implement the group's first global standard ERP, the company selected tools and implementation partners to run the system at its newly established subsidiary in the Czech Republic.

As a result, Yokogawa Solution Services was selected from the four implementation partners for its proposal capabilities and technical capabilities.



Central Glass Co., Ltd.
<https://www.cgco.co.jp>

Founded: October 10, 1936

Business: Manufacturing of flat glass, processed glass, other glass products, and other chemical products

Founded in 1936 as Ube Soda Kogyo Co., Ltd., the company expanded into the fertilizer business based on soda industrial products. In 1958, it entered the glass business, and in 1963, it changed its name to Central Glass Co., Ltd.

Central Glass's challenge to establish a wholly owned subsidiary in the Czech Republic

Central contributes to the realization of a prosperous society through manufacturing Glass Co., Ltd. In the chemical products business, the company produces products using its own technology. Among these, we are developing a range of products for lithium-ion secondary batteries. Demand for liquid electrolytes is expected to grow in the future as they are an essential component for electric vehicles (EVs). It is being waited for.

In anticipation of increased global demand, the company has been operating in the Czech Republic since 2017. We have established a wholly owned subsidiary to handle the production and sales of electrolytes. In order to introduce a global standard ERP system for this overseas expansion, Yokogawa Solution Services was selected as the implementation partner for Dynamics 365.

Shift from local ERP procurement to global standard ERP

Nakajima Masato, head of the Information Systems Department, recalls the background to Central Glass's Information Systems Department's decision to consider promoting the introduction of ERP to a subsidiary established in the Czech Republic: "The project to build a 100%-funded factory in the Czech Republic to produce and sell electrolytes with an eye on the European market was a major challenge for the company. In order for the Information Systems Department to respond to this challenge quickly, we felt that we should build a global standard ERP." The company's chemical products business has previously expanded into fine chemical manufacturing and sales companies around the world, including in Europe, the US, China, and South Korea, but in past overseas expansions, the company had introduced IT systems that could be procured locally due to business practices and tax procedures. Asahashi Tadaaki, head of the Information Systems Department, explains the reason for this as follows:

I will.

"Until now, there was no ERP that we could recommend to our company. In most cases, companies (excluding acquisitions) establish joint ventures with local companies. Therefore, there were few opportunities for us to take the lead in introducing IT systems. However, in the Czech Republic, the local president also said, There was a request for assistance, so Japan took the lead. We decided to go ahead with the creation and implementation of ERP." Successfully introduced in the Czech Republic and becoming a globally applicable standard To realize ERP, the Information Systems Department has engaged external consultants. We have started working with the development company to select tools and implementation partners. Asahashi said, "We had envisioned using Dynamics 365 from an early stage when we were creating the RFP. We had considered using it in the past, and It also has functions for process manufacturing and has a proven track record in Europe. "That was the reason. So when we were looking for an implementation partner, we narrowed it down to a vendor that was familiar with Dynamics 365," he said, explaining the selection process.

Yokogawa Solution Services was selected from four implementation partners based on their proposal capabilities and technical capabilities.

The Information Systems Department of Central Glass has been working with four vendors. We conducted a competitive bidding process to build a global standard ERP system using Dynamics 365. In addition to the above, four departments, including the sales department, accounting department, and audit department, participated in the bidding. They listened to the presentations of the participating companies and evaluated their proposals. As a result, three departments, including the Information Systems Department, Kawa Solution Services was ranked number one. In addition to the internal evaluation, consulting companies are also subject to a checklist of approximately 100 items to assess their technical capabilities for Dynamics 365. The results were also evaluated by the Yokogawa solution. Service came in first place," Asahashi explained of the evaluation. In addition to fair evaluation and verification of technical capabilities by four departments, The Department adds another important factor to the selection of implementation partners. It was "as much as possible without creating add-ons etc." "Our goal was to build a global standard ERP system by utilizing the original Dynamics 365," adds Asahashi. When trying to adapt ERP to existing business processes, standard functions alone are not enough. It becomes difficult to deal with this, and customizations like add-ons are required. Regarding ERP customization, Information Systems Department Section Chief

Masayuki Oshima of the University of Tokyo pointed out the following issues and suggested supplementing the selection criteria: Add. "To realize a global standard ERP, we need to develop a base We wanted to avoid under-lock-in. In determining this, we will use the global standard ERP template that we advocate. We have the consulting and proposal skills to help you build I placed importance on that." Global standard ERP template implemented in Dynamics 365 Based on the functions of the standard application, We provide business procedures and rules that are adapted to various business operations, and provide support after operation begins. A total package including the system and template utilization methodology In development, we will be familiar with the functions of Dynamics 365. Deep technical capabilities and a deep understanding of the business system of process manufacturing It is necessary to have information on Central Glass. The system department is building an ideal global standard ERP template. In order to build a business, in addition to a comprehensive evaluation, we also Yokogawa Solutions has the consulting capabilities to bring out the best in your system. Solution Services was selected.

What is a "template"?

The "Global Standard ERP Template" is a package consisting of the following four components that was prepared to enable the prompt start and operation of Central Glass's standard operations at the new base.

Global standard ERP template



Results: Global standard ERP was established in a short period of time before the factory went live.

The construction of a global standard ERP template at Central Glass' Czech factory, with Yokogawa Solution Services as the implementation partner, began in March 2018. For the first four months, the construction of the global standard ERP template was promoted in Japan, and requirements definition, design, development, and comprehensive testing were completed. In parallel with the domestic development, local partners also joined Central Glass Czech to take charge of requirements definition and design, and provided support for operational testing and full operation. Oshima, who was involved in the construction, commented on his impressions during operation, saying, "Organizing address information is important for establishing the slip numbering system and add-on forms, and Yokogawa Solution Services, with their in-depth knowledge of Dynamics 365, was able to make proposals that only they could provide, so I felt that it was a good choice to choose them as the implementation partner

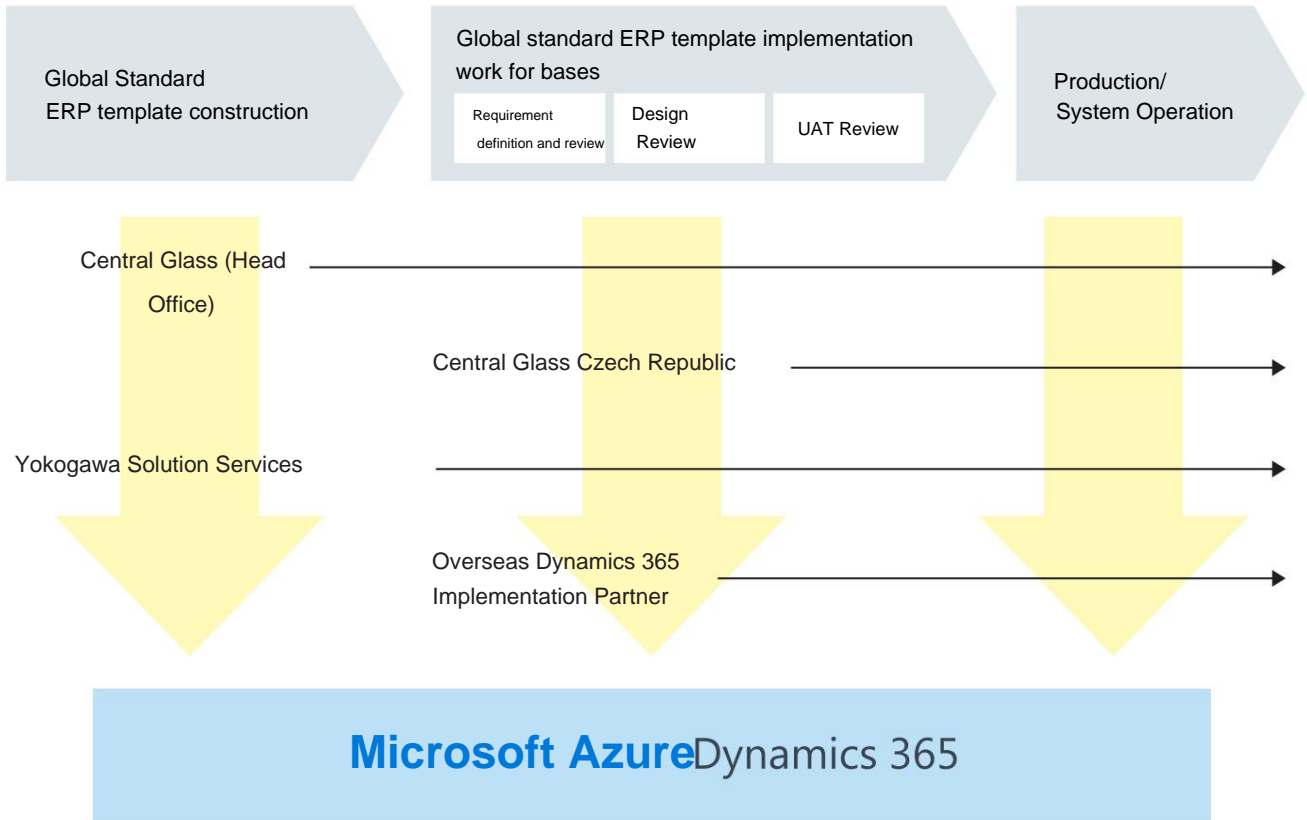
I will The slip numbering system is a device that assigns fixed characters to each type of slip, making it possible to identify the slip at a glance. Also, it prevents information from being added arbitrarily to the address that can be freely entered.

Measures were also taken to prevent this by creating operational manuals, as in the previous example. Furthermore, Oshima says, "By taking advantage of the benefits of the cloud service Dynamics 365 and taking advantage of the time difference between Japan and the Czech Republic, we were able to efficiently handle Q&A. When a problem that occurred in the Czech Republic was brought to Japan, a solution was developed in Japan during the night, and a response was usually received the next day." In the short space of about six months from the start of development in Japan, Central Glass Czech implemented the global standard ERP template, and after about three months of parallel operation, full operation began in January

Asahashi commented, "We had the problem that the standard functions of Dynamics 365 could not output the management information reports we wanted, but we solved that problem by outputting the data to Excel. We believe that this flexible response was

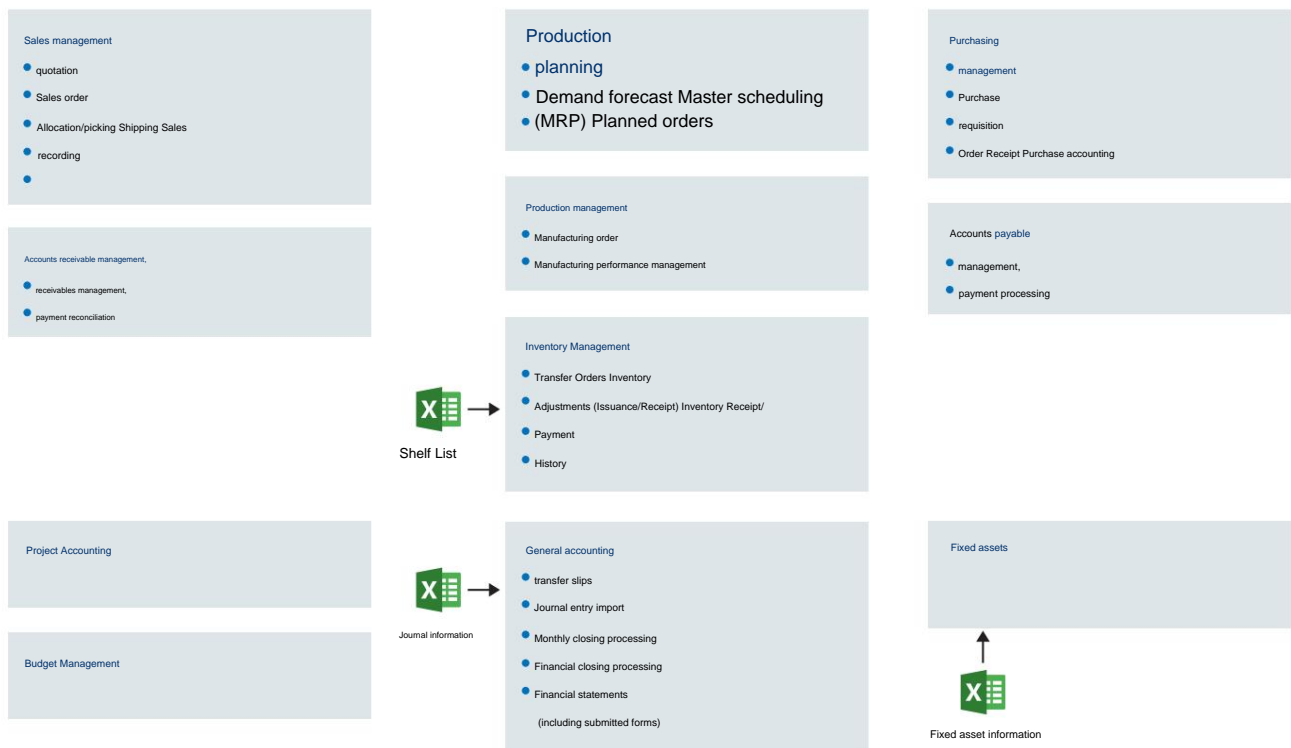
also due to the help of our implementation partner, who had a deep understanding of and recommended cooperation with the global standard ERP that we were aiming for." I'll return it.

Image of global standard ERP construction system



Global standard ERP template: Main function relationship diagram

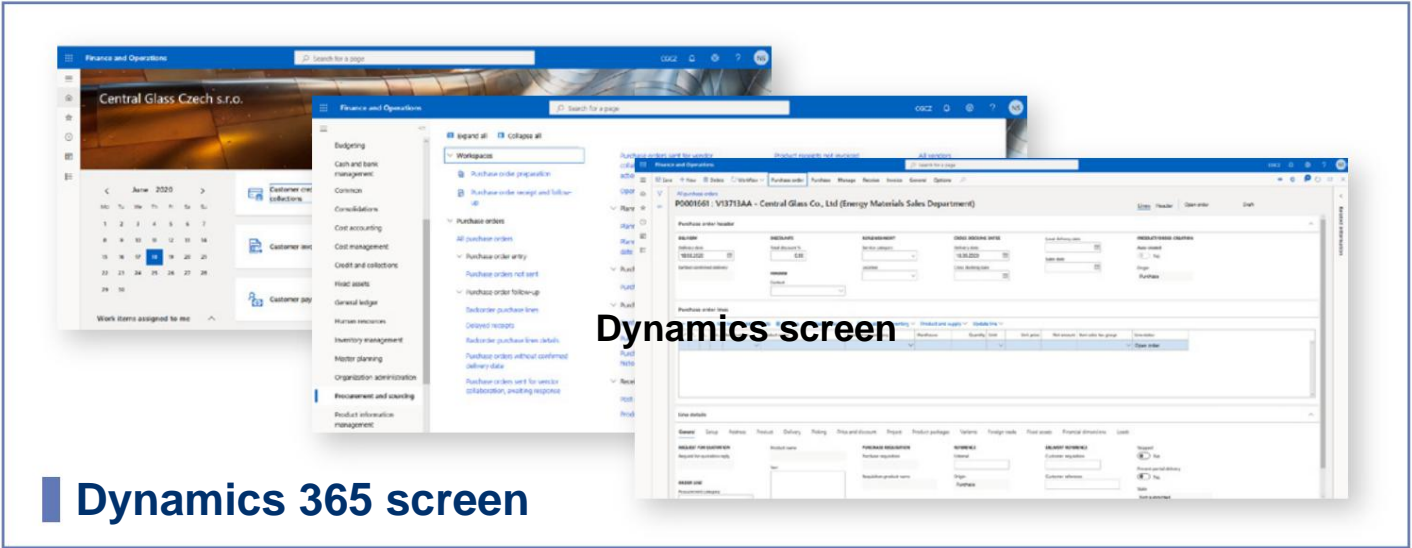
Microsoft Dynamics 365



outlook

Keeping up with the speed of business, we can help you get started in as little as three months.

Aiming to introduce Dynamics 365



Dynamics 365 screen



"We have been able to work together with

Yokogawa Solution Services to achieve this goal," Nakajima said of the success.

Regarding future initiatives, Nakajima said, "We would like to shorten the time required to introduce a global standard ERP system overseas to three months. As an information systems department, we must keep up with the increased speed required for overseas expansion. We look forward to partnering with Yokogawa Solution Services in this new challenge."

Nearly a year has passed since the system went live in January 2019, and the Czech Republic's Dynamics 365 ERP system has been running smoothly without any issues. Asahashi said, "Just as we expected, we have achieved stable operation with Dynamics 365 without any major issues since going live. We believe this is entirely due to the cooperation of Yokogawa Solution Services, who built the global standard ERP template we were aiming for with a high level of perfection. In addition, we were able to operate as planned thanks to the tremendous cooperation not only from Central Glass headquarters, but also from Central Glass Czech (President and Administration Department).



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URL: <https://www.yokogawa.co.jp/solutions/products-and-services/isol/erp/dynamics365/> Microsoft Dynamics and

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