

The JFE Shoji Group has engaged in various initiatives aimed at promoting Digital Transformation (DX) under the Seventh Medium-term Business Plan (Fiscal 2021–24).

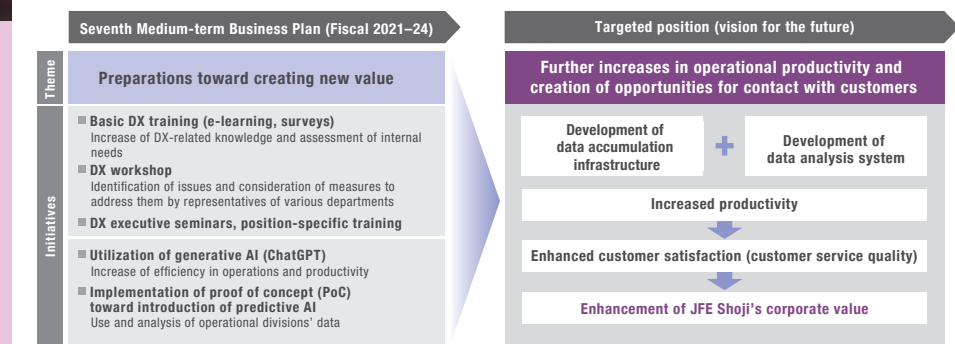
We have conducted “DX executive seminars,” “DX workshop,” and “position-specific training” to enhance digital literacy for all employees and the management team. In addition, since generative AI became more accessible for business use cases with advancements of large language models (LLM), JFE Shoji started to utilize a generative AI service (ChatGPT) in fiscal 2024 to increase efficiency in internal operations and to provide more opportunities for employees to leverage cutting-edge digital technologies.

Going forward, we will build a data accumulation infrastructure to collect various internal and external data. By effectively utilizing data, we are building a foundation for further productivity improvements and aiming to enhance corporate value while improving customer satisfaction.



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Managing Executive Officer  
(In charge of Information Technology Planning Department)

## DX Strategy >>>



## >>> Initiatives toward utilization of generative AI

JFE Shoji began trial utilization of ChatGPT internally from fiscal 2023. During the final phase of the trial activity, participants of 14 departments held discussions by sharing effective use cases and tips on how to use ChatGPT in cross-departmental meetings.

In fiscal 2024, we formulated guidelines based on the insights and findings gained from the meeting, disseminated them companywide, and commenced full-scale utilization.

### Meeting to share effective use cases and formulation of guidelines

**Meeting to share effective use cases**  
Representatives of trial participants shared useful examples.



### Categorization of useful examples (excerpt from guidelines)

Useful examples presented at the meeting were divided into five categories, and their use cases were promoted.

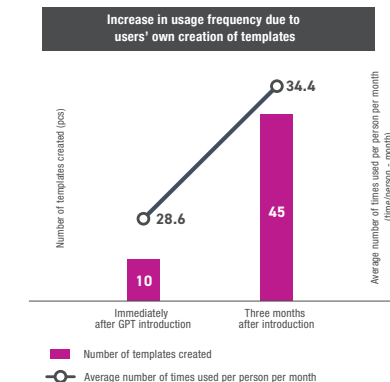
Usage categories	Representative examples
1 <b>Drafting and editing of sentences (correction, proofreading, rephrasing, summary)</b>	<ul style="list-style-type: none"> <li>• Composition of emails to local employees at overseas locations</li> <li>• Summary of dedicated overseas websites and email creation</li> <li>• Comparison of quotations</li> </ul>
2 <b>Grasping the overview of desired information</b>	<ul style="list-style-type: none"> <li>• In addition to looking up technical terms that arise in meetings, simultaneous gathering of related information</li> </ul>
3 <b>Idea creation, consultation, receipt of advice</b>	<ul style="list-style-type: none"> <li>• Drafting of ideas with GPT to use them for brainstorming</li> <li>• Consolidation of survey results (categorization, trend analysis, etc.)</li> </ul>
4 <b>Translation</b>	<ul style="list-style-type: none"> <li>• Translation of technical journals for specialists</li> </ul>
5 <b>Operation of IT tools and programming</b>	<ul style="list-style-type: none"> <li>• Investigation of complicated Excel functions</li> </ul>

Furthermore, department representatives were appointed to expand more effective use of ChatGPT, and the creation of templates for instructions (prompts) tailored to their respective organizations has been started in each department with their lead. As a result, internal use of ChatGPT is spreading companywide, and we will continue to promote the use of internal data and enhance efficiency in operations.

### Example of template

<b>Situation:</b>	Summarizing and sharing of production information from suppliers and customers internally
<b># Role</b>	You are an employee in charge of sales for a steel trading company.
<b># Objective</b>	To compile information on suppliers and customers and share it internally, leading to sales activities
<b># Instruction</b>	<ul style="list-style-type: none"> <li>• Summarize the “#production information” stated below.</li> <li>• After summarizing, provide 10 expected scenarios focusing on increases and decreases of production volume.</li> <li>• To display the summary in tabular format capable of explaining production increases and decreases</li> <li>• To create two summaries—a Japanese version and an English version—so that the information can be shared with local employees at overseas locations</li> </ul>
<b># Format</b>	Production information
	Paste production information received from suppliers and customers here

### Usage status of generative AI



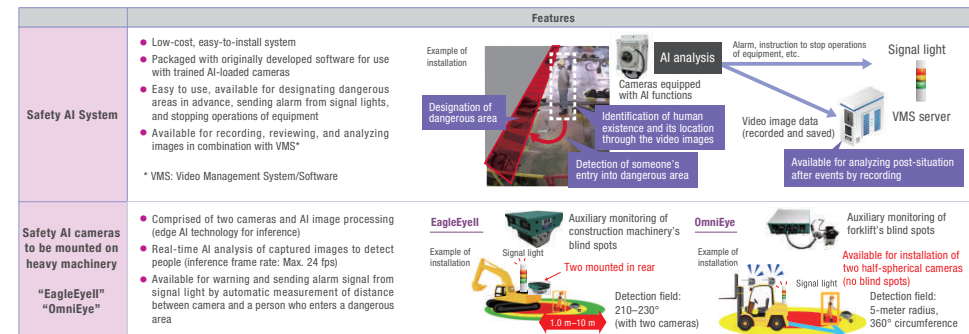
### Advantages in use of template functions

<b>Sharing examples of effective usage</b> Anyone can retrieve and refer to templates created by other employees when using ChatGPT.	<b>Standardizing prompt-writing skills</b> Making superior prompt text into templates enables anyone to obtain quality responses.	<b>Reduction of labor time and efforts for prompt-writing</b> A prompt can be created with the push of a button, and it reduces workload.
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## >>> Worksite DX using camera images at JFE Shoji Electronics

With “safety” as the keyword, JFE Shoji Electronics has started to offer a “Safety AI System” and “Safety AI cameras to be mounted on heavy machinery.” Those cameras can support supervisors in detecting workers' entry into dangerous areas and human existence in the roller section of machinery, and to monitor workers' activities at manufacturing worksites. JFE Shoji Electronics is also providing high-performance network cameras (secured-type, smartphone-type) that make it possible to improve operations such as reduction of worksite patrols and identification of causes of problems using recorded images.

### Safety AI System and safety AI cameras to be mounted on heavy machinery



### Low-bandwidth, low-latency, high-resolution network cameras

