

The JFE Group’s RPA initiatives

As one way to reform work styles, the JFE Group has been studying the introduction of Robotics Process Automation (RPA) at JFE Steel, JFE Engineering, and JFE Shoji Trade since fiscal 2017.

Currently (as of March 31, 2019), we have introduced RPA for approximately 400 operations groupwide and to date have eliminated approximately 40,000 working hours, making a significant contribution to enhanced productivity.

We are applying RPA in a wide range of sectors, from common administrative operations for finance, accounting, general affairs, and human resources to engineering support for manufacturing and design.

Going forward, we will continue to introduce RPA across the Group, to promote further innovation in business processes and operational efficiency.

Operations with RPA introduced

Approx. 400

Work hours eliminated

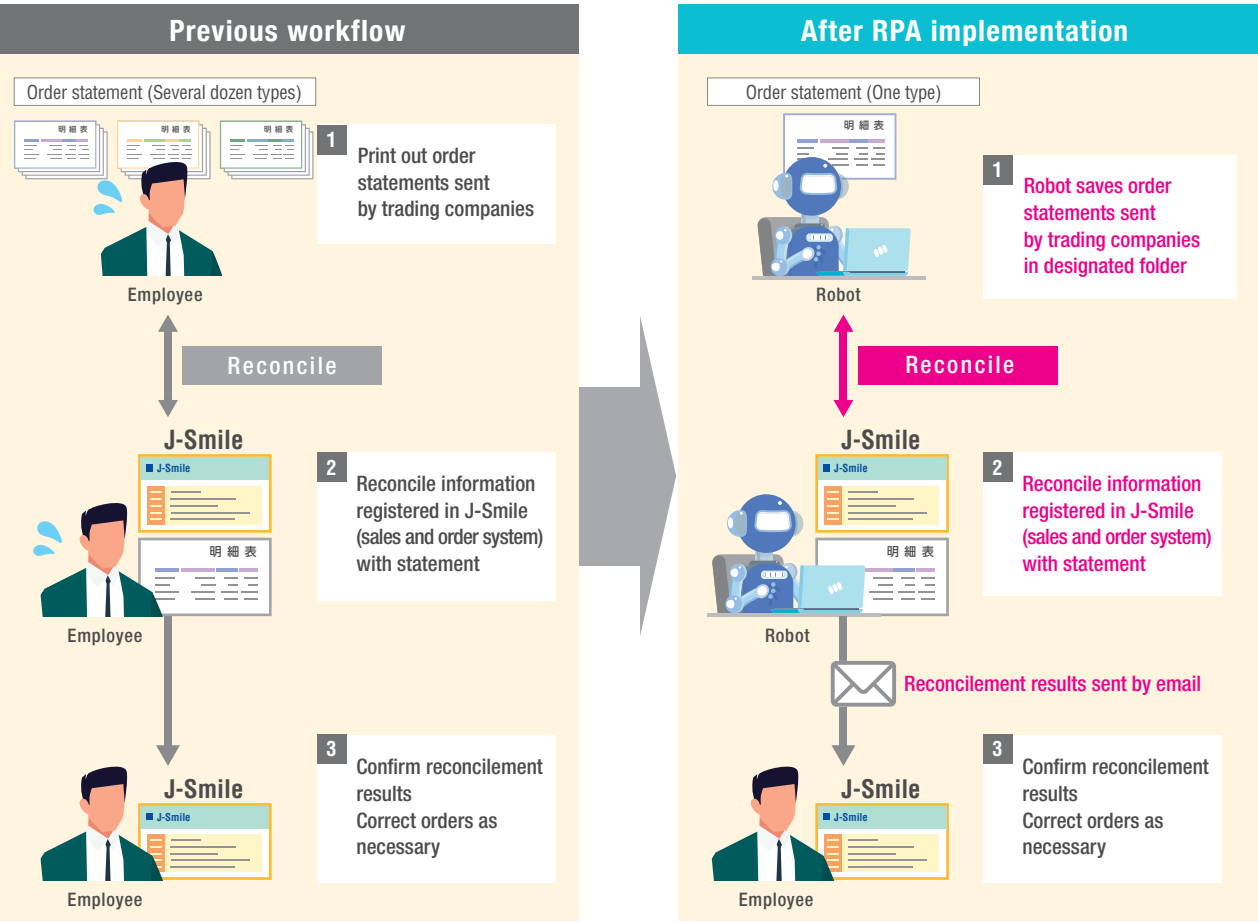
Approx. 40,000 hours

Introducing RPA—Example 1

JFE Steel    Using RPA for reconciliation of order statements for steel sheet products for export

Operational revision: Standardized order statement formats that had previously differed by trading company

Operational efficiency: Using RPA to reconcile order statements with order information registered in the system



Estimated effect

Elimination of operational mistakes

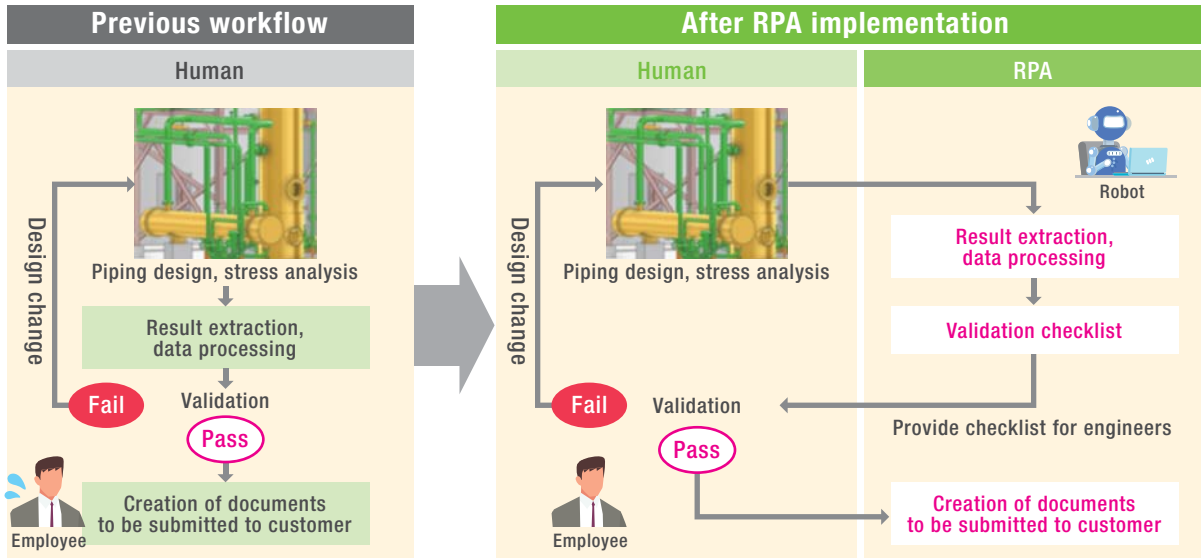
Reduction in work hours = 800 hours/year made available for other tasks

Introducing RPA—Example 2

JFE Engineering    Using RPA for piping design

Use RPA to extract, process, and list huge amounts of data from stress analysis in piping design

Listing up of information required by designers achieves more efficient validation



Estimated effect

In addition to reduction in work hours, checking for transcription and calculation mistakes is unnecessary anymore

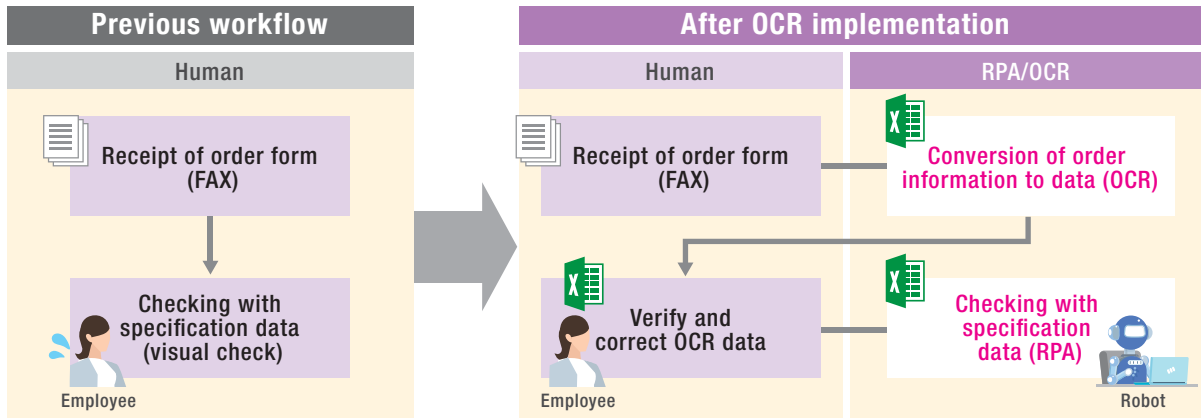
Major reduction in work hours = 800 hours/year made available for other tasks

Introducing RPA—Example 3

JFE Shoji Trade    Using OCR + RPA for specification number checking

Use OCR\* to convert information to data for specification number checking (Fax order with control master), an operation that was previously done visually

Additionally, use RPA in subsequent processing to increase operational efficiency and quality



Estimated effect

Improved accuracy: Automatic check using a robot instead of human eyes eliminates checking mistakes

Reduction in work hours = 100 hours/year made available for other tasks (approx. 30 forms/500 statements/month)

\* OCR (Optical Character Recognition/Reader): Technology that uses a scanner or camera to read printed or handwritten text on paper and convert it to an electronic text code.