

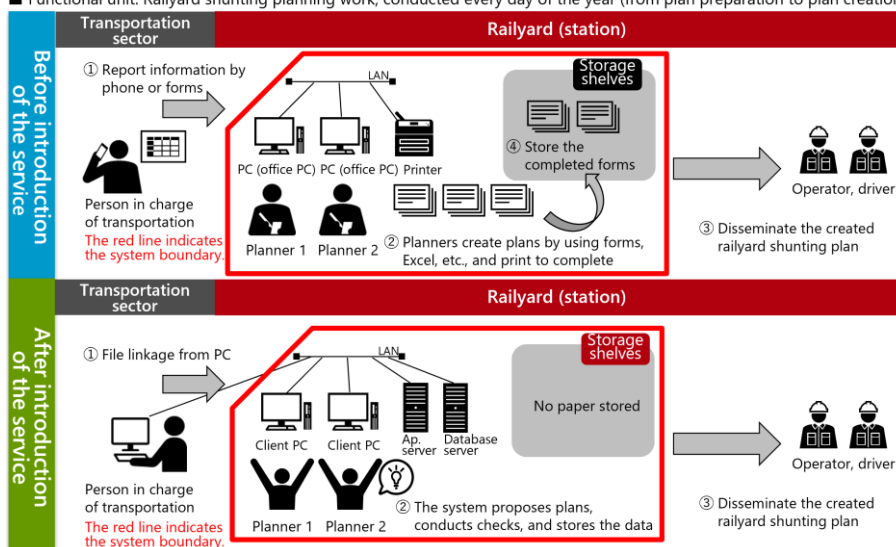
Reducing the burden on the environment by using Railyard Shunting Planning Assistance Package

Introducing Railyard Shunting Planning Assistance Package, which reduces the number of work hours required to create schedules and reduces the amount of paper used for printing, thereby reducing the environmental burden
(58% reduction in CO₂ emissions)

Customer's issues

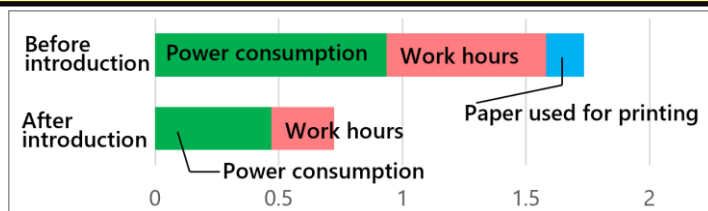
- Railyard shunting planning requires considering and confirming a wide range of constraints.
→ Planning takes a lot of time and labor.
- Delays in digitization (printing completed plan schedules and storing forms)
→ The customer wanted to reduce the amount of paper used for printing.

Functional unit: Railyard shunting planning work, conducted every day of the year (from plan preparation to plan creation)



Effects

- By using easy GUI operation or the replacement planning proposal function
→ Reduced the work hours needed for creating railyard shunting plans.
- No need for printers because railyard shunting plans are digitalized.
→ Paperless operations are achieved, with reduced power consumption.



CO₂ emissions (Unit: t-CO₂ per year)

CO₂ emissions: Reduction per year: 1t-CO₂. CO₂ reduction percentage = 58%

- The values of environment impact factors differ depending on the evaluation conditions and the evaluation model.
- This evaluation calculation uses Hitachi, Ltd.'s CO₂ calculation method SI-LCA*¹ at the stage of actual use (based on information as of June 2023) as the target of the evaluation.

*1 SI-LCA: System Integration-Life Cycle Assessment

The SI-LCA method complies with the Guideline for Information and Communication Technology (ICT) Eco-Efficiency Evaluation (issued by The Japan Forum on Eco-efficiency in March 2006).

Information site: https://www.hitachi.co.jp/products/it/society/product_solution/mobility/Railyard_spa/

Inquiries: <https://www8.hitachi.co.jp/inquiry/it/society/general/form.jsp>

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