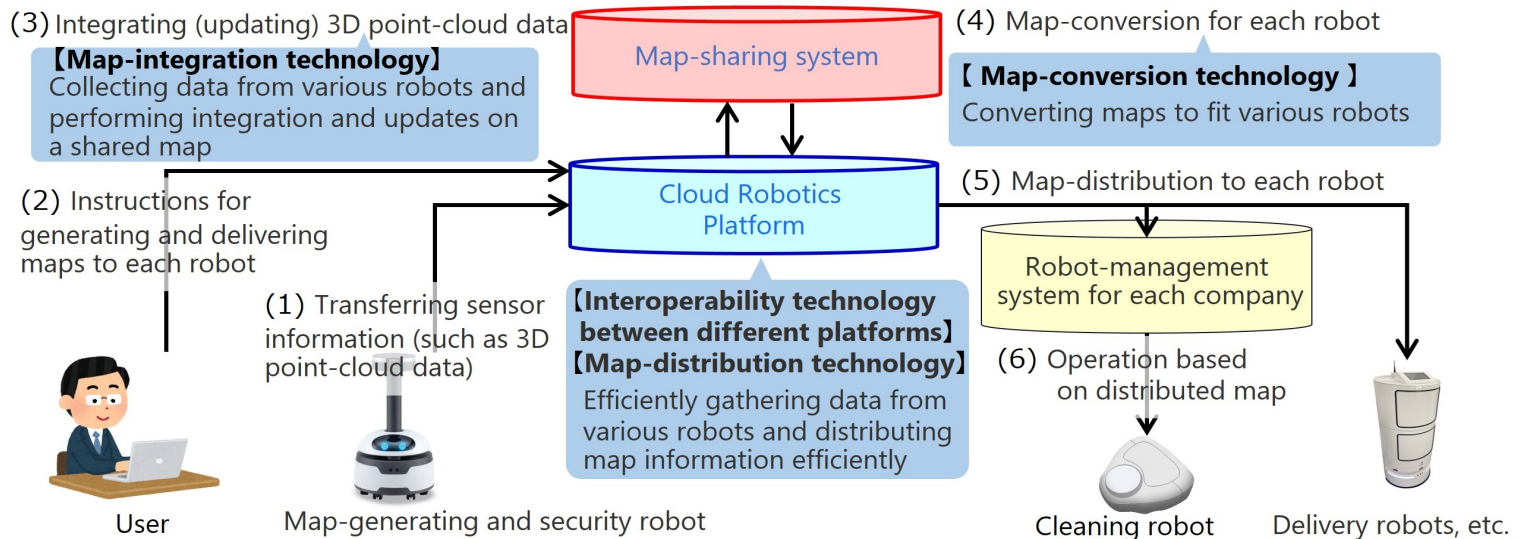


Background

Each type of service robot requires its own map data. When different types of service robots are introduced, map data must be prepared for each type of robot, even on the same floor. Therefore, its creation, management, and distribution have become a challenge.

Summary

By linking our map sharing technology with robotics platforms, map data can be efficiently distributed to even more robots. In addition, map data management costs can be reduced through updates using data collected in daily operations.



Features

- Efficient map data distribution to more robots is possible through linkage with robotics platforms that manages and controls various types of robots
- Maps that reflect the height information of obstacles that cannot be detected by the robot's onboard sensors can be converted to each robot's format and distributed
- Data collected in daily operations to reflect changes in the layout of fixtures on a shared map. The latest maps are distributed to the robots through the cloud robotics platforms

Future_benefits

The cloud robotics platform enables efficient map distribution for different robots, supporting their autonomous movement (cleaning, guidance, security) and Digital Twin Computing.

Collaboration partners

ugo, Inc.

Exhibiting Company

NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION,
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