

ONTECH

Waste Management Solution

Introduction

Waste Collection Management System

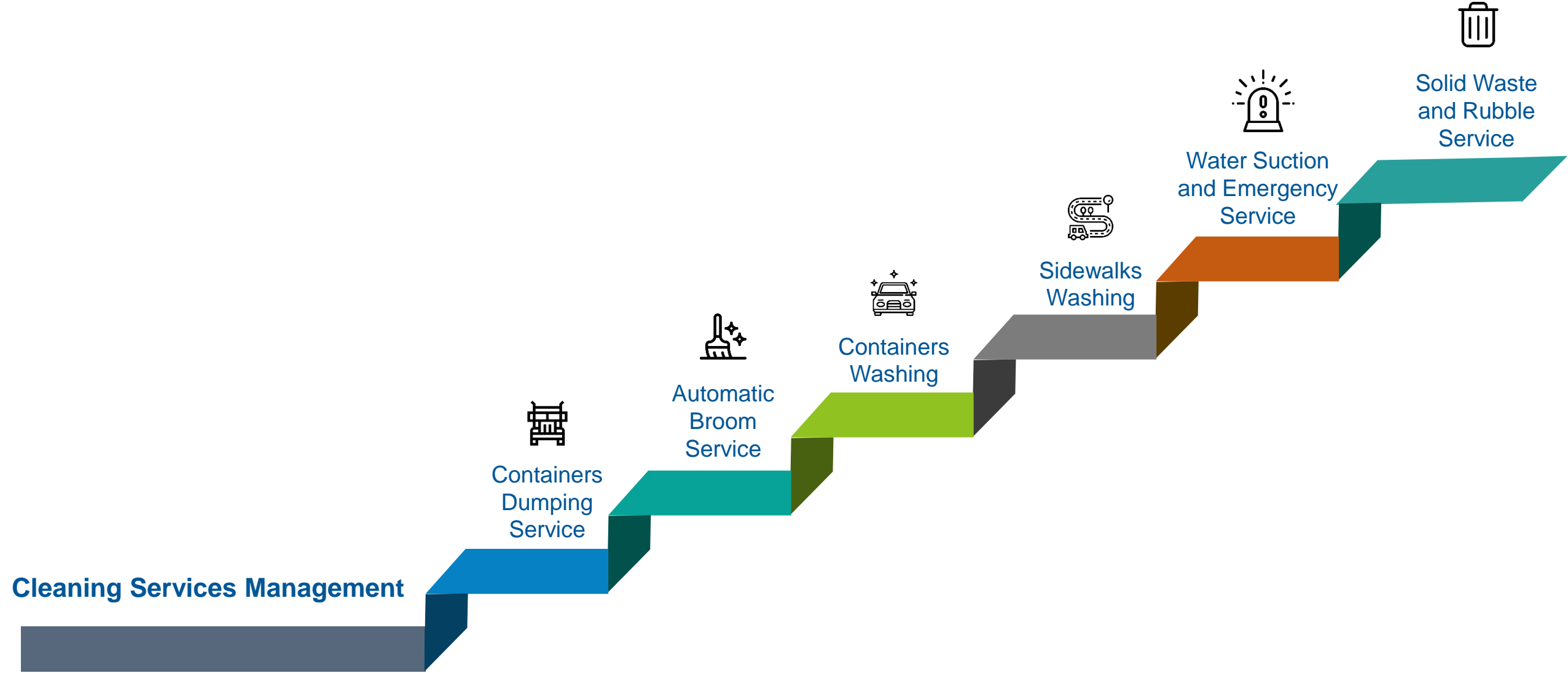
It is a complete solution for tracking and managing several cleaning services, with ability for managing penalties, used to enhance the cleaning services and provide a more in detailed data that help decision makers to take right decisions. The system is composed of the following:

Waste Collector Tracking System

This system allow the users to track and monitor the performance of the waste collector in the field, indicating which containers dumped and which not dumped, also provide a complete tracking and control over the trucks and brooms and water suction vehicles by attaching the required sensors for the various motors.



Features



Reports

- 1- Vehicle history reports.
- 2- Report on the empty containers per each garbage truck (daily - during the period).
- 3- Report on the empty containers per driver (daily - during the period).
- 4- Report on the types of violations for each region ranked from the most to the least.
- 5- Statistical report on the workers in the regions based on their distribution.
- 6- Statistical report on workers in the regions grouped by supervisors.
- 7- Report on the performance of each garbage truck from the number of violations (daily - during the period).
- 8- Report on the performance of each driver in terms of number of violations (day - during the period).



Reports

9. Report of the number of containers that were unloaded daily grouped by the main areas - the contracting area.
10. Report of the number of containers unloaded daily for each sub-municipality.
11. Report of the containers which its location has been changed with a certain meter based on a configuration.
12. Report of the containers that were washed (daily - during the period).
13. Report on the work of the trucks during the period (day - during the period).
14. Report on the work of brooms cleaners during the period (day - during the period).
15. Report on the work of the water suction vehicles during the period (day - during the period).
16. Report on the work of sidewalks washer vehicles during the period (day - during the period).



General Specifications

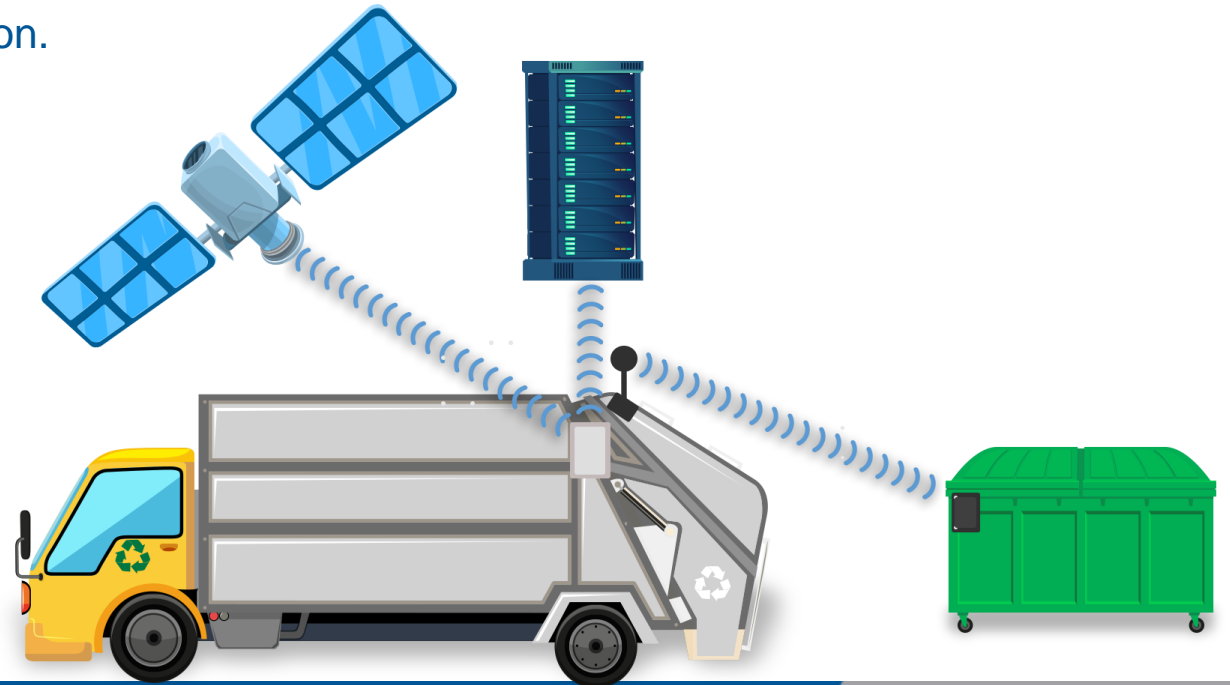
- The design, creation and implementation of the solution employing the latest technologies such C# .net and MS SQL 2016 database, which meet the scalable requirements.
- Implementation of the solution using the principle of centralization so that the database exists in the server (Database Server) and regions are connected to the solution via (Web Access).
- The solution is able to create all reports and statistics in the case of request and output in the form of digital statistical tables or in the form of charts, with the possibility of comparison with any previous statistics.
- Ability to export data to MS Text file, MS Word, MS Excel, PDF or XML files. - The solution is able to provide different permissions according to the role determined by the system administrator. (System Admin) and according to the functional structure of the organization.

Solutions Benefits

WCTS solution provide an extensive monitoring for all the cleaning services and operations; guarantee the quality of service and cleanness of the districts.

The following are major benefits from applying the solution:

- Tight monitoring for all resources, which prevent the extensive money bleeding for cleaning services.
- Maximize the benefit of utilizing the equipment and the labor.
- Real statistics about the effort spent and consumptions.
- Control and plan the whole cleaning process.
- Fast tracking for urgent required services such as Water Suction.
- Discover the violations.



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