

Smart Waste Solutions

Amazon Simple Notification Service



Ecube Labs provides a comprehensive smart waste management solution that consists of various combinations of hardware such as smart bins and sensors as well as software such as CleanCityNetworks (CCN) and CCNx.

A major project with the city of Melbourne in Australia, deployed in 2018 partnership with Ecube's client Smart Waste Solutions, consisted of a fleet of compacting solar-powered smart waste bins that monitor fill-levels, compress waste, and relay information such as fill-level and collection history back to the city through Ecube's CCN cloud-based software.

While most clients would use the CCN software's built-in capabilities for notifications through both the web platform as well as the mobile app, the city of Melbourne required email and SMS text-based notifications in order to smoothly integrate with their existing operations.

Ecube was able to provide a solution to this using Amazon Simple Notification Service. By applying this service to CCN, Ecube was able to offer end-clients the option to select the type of notification (fire warning, open door warning, fill-level, etc.) as well as the method of notification ranging from SMS or email to push notifications in-app. Multiple notification options are selectable for redundancy.

While this may seem like a simple feature, it was critical in securing this large scale project as municipal governments have backwards compatibility and stringent operating standard requirements that must be met and would otherwise have been very resource-intensive for Ecube to implement in-house without the help of Amazon Simple Notification Service.

About Smart Waste Solutions



A subsidiary of MASTEC, Australia's only dedicated mobile garbage bin manufacturer, Smart Waste Solutions has been supplying innovative waste reductions solutions since 2006 at over 800 customer sites.

About Ecube Labs

Ecube Labs is an innovative green technology company committed to providing eco-friendly waste management solutions for smart and sustainable cities of tomorrow.

The Ecube Labs logo, featuring the text "ECUBE LABS" in bold black capital letters, enclosed within a white rectangular border with a small green square at the top right corner.