



How E-vision Transforms Waste Collection with Real-Time Visibility Powered by Xerafy Technology

Mecca selected E-vision to deploy its innovative waste collection solution alongside 15,000 rugged RFID tags from Xerafy activated in the field.

SINGAPORE, SINGAPORE, May 23, 2018 /EINPresswire.com/ -- [Xerafy](#), the global leader powering data through innovation to transform industries and lives, has announced that Saudi Arabian city Mecca has deployed Xerafy's [Micro X II](#) RFID tags to successfully manage thousands of waste collection bins. Using Xerafy's rugged tags and a software solution from [E-vision](#), the city now has real-time visibility into its waste collection activities and vehicle fleet.

Mecca was looking for a way to track the status of trash bins as well as the location of its waste collection vehicles. Mecca's residents expect the company to empty their waste bins on time. However, it was difficult to determine which bins had been emptied. If there was a complaint, the company had no way of knowing if the bin had been missed, or if the customer had forgotten to place the bin at the curb.

In order to better service customers, the city wanted to be able to confirm that each trash bin had been emptied into the collection vehicle, enable automated electronic communications from the trucks to the operations office, and minimize human intervention in data collection activities.

Mecca selected the RFID-based waste management solution from Riyadh-based E-vision. The company provided its innovative Waste Collection solution, along with rugged tags from Xerafy, a customized GPS tracking device, and RFID readers from ThingMagic.

Mecca is leveraging several modules of E-vision's Waste Collection software, including Complaint Management, Fleet Management, Tracking, and other customized services. E-vision also created a communication board to manage the hardware tracking functionality.

"Waste collection is a challenging environment for data collection," said Tarek Fawaz, Technical Manager at E-vision. "Xerafy has provided us with RFID tags that are uniquely suited to the environment in Saudi Arabia, and that are rugged enough to resist the shock and vibration the waste bins are exposed to."

Mecca is able to track which containers have been emptied and when, and can also track and manage its vehicle fleet in real time. Using the Complaints Management module, customers and supervisors can record any problems or violations via mobile app, and submit the issue to the company as well as track and confirm resolution. Managers can also monitor performance and generate a wide variety of reports based on the RFID data.

"By combining our durable tags with E-vision's software capabilities, Mecca has been able to achieve an unprecedented level of visibility," said Dennis Khoo, Xerafy CEO and founder. "Xerafy's tags are uniquely constructed to withstand the harsh environments of the emerging waste management

market.”

With the system successfully in operation for nearly three years, Mecca and E-vision are now developing a new device with a built-in RFID reader to improve data collection, as well as enhancing the software user interface and redesigning the software architecture in preparation for a transition to Cloud hosting.

About E-vision Technology

E-vision is a fast-growing IT development house, where we design and develop professional Business Solutions which are presented to our customers with the most easy- and friendly-to-use interface. E-vision doesn't only stop at developing concrete business solutions; it also offers its clients the luxury of getting uniquely attractive designed IT solutions to help each company interpret who they really are among their peers through the Internet.

www.evision-corp.com

About Xerafy Ltd.:

Xerafy enables real-time traceability and asset management in Healthcare, Oil & Gas and Manufacturing. We lead in RFID innovations for demanding environments and redefine the market expectations for durable and reliable performance. Xerafy is headquartered in Singapore with offices in the U.S., U.K. and China.

Michel Gillmann
Xerafy
(214) 800 2339
email us here

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