

Q&A with Joshua Mecca, President and Founder of M&S Biotics providing an Autonomous IoT Solution with RFID to Detect, Track, Count, and Locate Surgical Items within the Operating Room in Real-time



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Interview conducted by:
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CEOCFO: Mr. Mecca, what is the concept behind M&S Biotics?

Mr. Mecca: The concept behind M&S is focusing on a twofold problem regarding the operating room, which consists of surgical counting, in the fact that surgical instruments come in a lot of redundancy where we end up seeing less than 20% of those

instruments utilizing during the surgical procedure for compounding that the fact that they still have to count all of those surgical items and instruments regardless of whether or not they are actually being used. We see this being a very laborious process, taking great deal of time in that operating room and also putting undue risk on that patient due to the frequency of discrepancies that happen at the completion of that procedure.

CEOCFO: Why is it an area that has been overlooked or able to go on for such a long time?

Mr. Mecca: Some different technologies have aimed to prevent it but in a lot of ways, processes in the operating room have been ongoing for years. A lack of change is really what pushed it and the reality that any technology that is going to come out and increase an extra process or put more responsibility on the nurse is ultimately going to lead to a lack of adoption. Nurses understand the most that some processes should be removed to improve workflow, but the last thing overworked nurse needs is a new technology with a long learning curve to pick up.

CEOCFO: How did you come upon the situation?

Mr. Mecca: I actually had a kidney transplant myself. In doing a lot of the research for the procedures, when I came across the fact that surgical items were actually being left behind in patients, although not as frequent as counting discrepancies, none the less it happened. Then as I started to dive deeper and deeper, I learned new practices that were being put in place in order to prevent any retained surgical items but the reality is that the frequency of counting discrepancy was pretty stagnant at one in eight surgeries actually having counting discrepancies. It was not until I actually had a kidney transplant myself that I started becoming more aware of the problems within the operating room and really wanted to do something about it.

CEOCFO: What is the M&S Biotic solution?

Mr. Mecca: Since this is going to be published we would like to keep it more high level. Here is what we would like submitted for this portion. "M&S Biotics is developing an autonomous IoT solution to detect, track, count, and locate