## 4. Identifying, implementing security controls

In the IT world, redundancy is critical; should one product fail, another is there to take over. The concept of layered security works similarly, but it remains to be seen how well enterprises can layer security and redundancy to manage IoT risk.

Let’s take an example in health care industry where the devices are available not only to monitor patient’s health but also the dispense the medicine based on the analysis done by the device, just think how it can be tragic if the device gets compromised.

The challenges for enterprises lie in identifying where security controls are needed for this emerging breed of Internet connected devices, and then implementing effective controls. Given the diversity that will exist among these devices, organizations will need to conduct customized risk assessments, often relying on third-party expertise, to identify what the risks are and how best to contain them. In any event, organizations which embrace IoT must define their own information security controls to ensure the acceptable and adequate protection of the IoT evolution. As the trend matures, best practices will certainly emerge from industry professionals.