

Siretta Case Studies

Door Entry Systems

Door entry systems or electronic access control systems are one of the biggest and rapidly growing market segments within the IOT industry. Marketsandmarkets are reporting the total market for electronic access control systems to reach \$ 16.3 billion by 2017 at a CAGR of 7.0%. This is partly due to the increase in safety measures due to security concerns from elements such as terrorism and crime.

Telguard, a leading door entry systems manufacturer, are changing perceptions when it comes to access control. Through their next generation door entry systems, Telguard are demonstrating by example, why wireless door entry systems are the 21st century solution. Telguard have the capability and experience in the design

of wireless door entry systems. However, business requirements demanded a future proof, integrated and complete wireless connectivity solution that would also reduce time to market. This would also allow Telguard to focus on their core offering. Wireless door entry systems put the user in control of their premises without the need to be physically present at the property. Telguard designed their next generation products with a view to provide their customers with the convenience of accessing the door entry system remotely and securely. However, complexities, time and cost required to design and develop a wireless system meant that chip level design was not viable.



One bespoke solution for all the challenges

Due to the challenges presented by door entry systems, a secure and reliable connection is imperative. An unreliable and insecure wireless connection can result with no access to the property. Apart from that, an insecure connection leaves the premises exposed to external threats such as hacking. A reasonably priced and robust out-of-the box solution was therefore required. This solution would seamlessly integrate into Telguard's existing system and provide a dedicated wireless connection over the mobile network. Mobile networks are ideal for providing access over long distances. With ZETA® based wireless solutions, Siretta have proven that secure, automated and reliable wireless connectivity does not have to be complex and costly. The industry agnostic ZETA® is one of the many Siretta M2M/IOT solutions that are also customizable. Our solutions cover different long range and short range wireless technologies. Flexibility is key when it comes to enabling wireless connectivity for IOT applications which are spread across the spectrum.

The ZETA® solution has not only enabled Telguard to optimise their value proposition, but it has also significantly reduced operational costs. The access critical connectivity offered by the ZETA® based solution has transformed operations especially when it comes to reducing and predicting site visits for Telguard and its partners. Apart from that, by utilising Siretta's technical expertise, it took no time in tuning the solution to Telguard's next generation door entry systems.



The Siretta ZETA® difference

Why ZETA®? Through collaborative analysis, Siretta and Telguard established that the ZETA® based turnkey solution would be ideal from a technical and cost effective point of view. "The ZETA® based solution allows Telguard to maintain access critical connectivity at all times. Furthermore, the ZETA® offers seamless wireless connectivity through more than one mechanism. For a demanding application like access control, it meant that Telguard had the option to choose between primary operating technologies such as GSM, CSD and SMS. The ease of integration along with the capability to design the system with failsafe measures and customised software made ZETA® the ideal candidate for Telguard" said Paul Gibbons, the engineering director at Siretta.

Siretta understand that our partners do not have control of the mobile infrastructure, however through combined intelligent hardware and software design, we are able to optimise connectivity and significantly increase uptime. It is due to this reason that Siretta wireless solutions are popular amongst mission critical applications.

"This was a collaboration waiting to happen. People often associate wireless connectivity with high costs and long development cycles. Siretta have played an instrumental role when it comes to resilient and cost effective wireless solutions. We have invested heavily into developing custom solutions for varying and rapidly changing requirements. All you need to do is plug and play" said Nick Lidington, the managing director at Siretta.

Siretta provide cross industry and bespoke wireless connectivity solutions and have been focused on doing so for more than 25 years.

Call our M2M experts today to discuss your M2M IoT application 0118 976 9014