Industries of all kinds are embracing the power of the IoT into their daily operations, and this is enabling rapid expansion into entirely new revenue streams. However, despite the best intentions of the data giants, humans are still required to operate machinery, to design systems, and to facilitate the smooth running of even the most data-driven businesses. For managers of large industrial enterprises, human error, complacency or even disgruntled employees can cause any number of disruptive problems. CASWA develops revolutionary asset management solutions to solve these issues, by logging employee usage and dictating access permissions before the equipment is even switched on.

http://www.caswa.com

Innovation in asset management technology with CASWA

Founded in 2004, the Australian company CASWA specialize in developing new technological solutions for engineering asset management, under their Sole Digital branch, and customized solutions for individual use cases.

CASWA’s innovative AccessPack technology ensures that equipment owners know who is using equipment and when, that they are trained and qualified to operate the equipment, that the equipment has been maintained, and that a pre-start safety check has been completed. If any of these criteria are not satisfied, the system physically prevents equipment from being used by people who are not authorized to operate it, eliminating avoidable accidents entirely, increasing equipment longevity and stimulating a culture of accountability amongst employees.

Liftlog, one of CASWA’s many customized solutions, is a data logging system for cranes that records all operations performed by the crane, and by the operator in control at the time, which is then used to calculate the remaining useful life of the crane according to that country’s safety standards. In addition, the system will send real-time alerts via email or SMS when it detects overloads or dangerous usage, and can transmit data to a secure webpage via a robust mobile data connection.

Centralizing data gathered from remote sources allows you to create an effective management strategy, avoiding premature failure of equipment due to incorrect operation, giving detailed information on how equipment is being used and by whom, and allowing uninterrupted monitoring of the company’s apparatus.
A trade fair in the USA provided the opportunity for CASWA to access new markets outside Australia. “When our export business began to take off we knew we needed someone who could deal with the complexities of hundreds of network carriers in dozens of countries,” says Paul Kelly, founder and director of CASWA, “To make matters worse, a lot of our gear goes to remote locations where the mainstream carriers simply have no footprint.”

PodM2M were able to deliver a SIM card which perfectly fits CASWA’s requirements. Two of their main concerns were to simplify management of the connectivity and ensure a reliable connection even in remote areas.

As a result CASWA decided to deploy PodM2M’s global multi network SIM card, which gives access to multiple networks in each country, and if signal is lost the SIM automatically swaps to a different network, ensuring maximum coverage and reliability. The ever increasing range of networks available through PodM2M’s multi network SIM card meant that coverage was assured wherever in the world CASWA devices were installed. “We needed the flexibility to switch carriers on the fly to meet the requirements of each location,” Paul continues, “PodM2M make their own SIM cards and provision them to include whatever set of networks we need”.

The problem

Limited connectivity restricts expansion of export business
The solution

Pod’s ready to use M2M SIM Cards and personalized attention allow customers to grow

Each Pod SIM card comes pre-programmed and ready for multi-network connectivity. CASWA knows that their customers need their orders fulfilled rapidly and appreciate the fact that no time is wasted on complex SIM card set up routines. “We just grab a SIM from the box, put it in the product, and ship it anywhere,” says Paul.

At PodM2M each client is seen as an individual and receives a customized service. Time is taken to understand a customer’s specific needs and to develop a unique and reliable M2M solution that allows evolution of your projects and business as a whole.

PodM2M take these partnerships very seriously, and the relationship with each customer is a long term undertaking, where the needs and aspirations of the client can be brought to fruition through a close working partnership. Our team of M2M experts can advise the client on every aspect of their M2M application. Collaborating with our customers throughout every stage of development delivers a sophisticated product that is ready to use, freeing time for continued development and exploration of new markets.

Paul Kelly finds Pod’s continued input an invaluable help in the day to day running of his business, adding: “PodM2M’s provisioning means we spend less time focusing on getting our last installation going, and more time sealing the next deal”.