



TASSTA'S T.FLEX SOLUTION

TWO-WAY ADVANCED COMMUNICATION SPECIFICALLY DESIGNED FOR DEMANDING INDUSTRIES LIKE FORESTRY



SITUATION

Natural reserves and parks are some of the most visited places for tourists in all parts of the world. They are usually well known because of their history and immense beauty. These wide places normally host millions of tourists every year and are rich in forest and other wildlife resources.

Forestry management is typically tasked with the protection of the people, forest and wildlife in these culturally significant touristic areas. This responsibility is critical in protecting against the high risk for forest fires. To handle this responsibility, many departments set up a special task force for fire prevention plans that can take immediate and effective measures for both, fire management and pest control in the area.

To aid in its efforts, the employees utilize TASSTA's T.Flex solution as a two-way advanced communication system. TASSTA's solution allows the management to distribute tasks and receive work order status, send messages, and locate personnel using their smartphone's built-in GPS. The system allows the organization to reduce the number of traditional radio devices and utilize less expensive smartphones that are equipped with more advanced communication functions.

For TASSTA it is essential that every single worker involved in the forest industry can use its solution. Foresters, woodsmen, and other personnel can utilize their personal smartphones since TASSTA's T.Flex turns any Android or iOS mobile into a virtual radio, providing Push-to-Talk (PTT) capabilities over any cellular or Wi-Fi network, which takes advantage of the device's intelligence to provide advanced emergency and communication services.



MARKET CHALLENGES

Managed forests and wildlife preserves can be immense, covering hundreds of square kilometers of forest and scenic area. This large area poses significant challenges in terms of deploying and using a private radio network. But it is essential that the management teams working in these areas have an effective wireless communication system to help monitor fire hazards and coordinate fire-fighting efforts. There are several requirements that a new communication system needs to meet: provide superb communication coverage, safety and efficiency throughout all operational departments.

There are three important criteria that any forestry management looks at when selecting the new communication system: first, it must deliver clear and

audible audio quality taking into consideration the harsh, windy and noisy outdoor environment that the forestry team must operate in; second, there is an even greater need to deliver a clear and reliable communication during a fire outbreak to give concise dispatch instructions; and third, a position locating function must be available to facilitate efficient dispatch operations in daily management and emergencies.

The main focus for all companies is to be able to build an effective and state-of-the-art wireless system to cover the entire area. Because TASSTA can work on both, private radio networks and any cellular or Wi-Fi network, it allows companies to utilize standard smartphones over any network.



SOLUTION

Because of both, their challenging geographical issues and the need to ensure compatibility with the thousands of existing analog radios in use, forestry departments are an ideal candidate for TASSTA's communication system. One feature that is particularly important, is called the Lone Worker Protection (LWP) solution. This solution provides an alert based on a specific situation or event from a device back to the communications area, thus improving any worker's safety.

T.Flex has a number of different options that provide more advanced communication capabilities. Using the sensors within the phones, "Man Down" alerts can be sent when a user has fallen; GPS and Indoor Localization can transmit the exact location of alerting devices; sending pictures and Audio Feeds is another feature that can be enabled from any device whose emergency button is pushed. T.Flex uses the immense computing and sensor functions present in today's devices to deliver advanced communication services.

Even hunters can utilize TASSTA's solution! During hunting season, hunters can locate each other using their T.Flex Map tool to avoid injuring each other. TASSTA's T.Rodon allows them to create specific hunting zones to define borders and real time information for everyone to utilize.

The superior performance of TASSTA's communication system is instrumental in these types of rural areas. TASSTA's T.Flex is ideal for the unique and challenging communication needs of any forest environment. Utilizing standard, off-the-shelf Android or iOS smartphones, T.Flex turns these devices into virtual radios. These virtual radios follow the regular radio behaviour, providing a large and highly developed amount of communication and emergency features which can be configured easily. In conclusion, TASSTA offers a solution that helps you locate and track users in emergency situations to support them in real time. This contributes to the security, safety and control of users connected to your network.