

# TASSTA SOLUTION FOR OIL, GAS AND MINING COMPANIES

## SITUATION

Maintaining good communication with work teams and ensuring their personal safety is a key priority for companies in the oil, gas and mining industry.

Gas and its derivatives are a very important segment of any country's economy. These E&P (Exploration and Production) companies are normally involved in high risk activities requiring that their staff is supervised by a control center that can visualize their daily activities. Also, these workers often are located in places with very dangerous conditions, which is one of the reasons that constant communication is vital to ensure their health and safety.

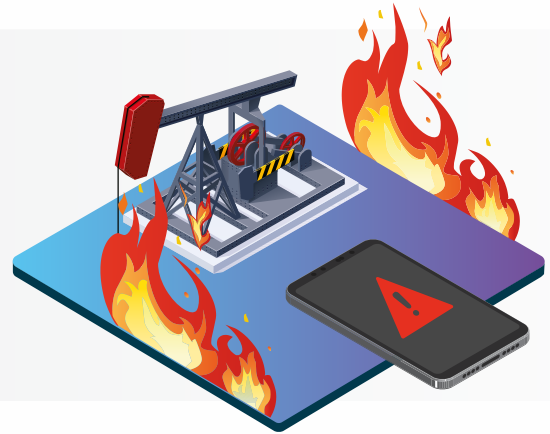
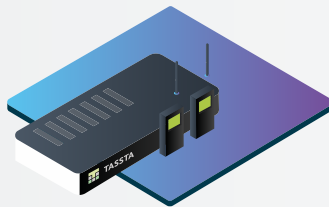
TASSTA's aim is to assist E&P companies looking to protect their employees during the fulfillment of their tasks and functions, maintaining constant communication with and supervision of them.



## MARKET CHALLENGES

In general, one of the most important challenges that these companies have is to become more efficient and effective using technology enhancements. Oil, gas and mining companies look for ways to increase their communications network coverage using alternative solutions like TASSTA's Push-to-Talk (PTT) solution over

broadband, where the requirements for the stability and reliability of the network are highly important. Furthermore, these companies are looking for solutions that coordinate disparate engineering facilities and offer them robust communications for remote and hard-to-reach areas.



## SOLUTION

TASSTA's T.Rodon dispatch solution helps the oil field's management monitoring their personnel while enhancing the quality of communication with extended call functionality throughout the oil fields. Additionally, this will lower communication costs while allowing the company to get a significant return on investment.

One of the most important tools offered by TASSTA is our Lone Worker Protection Alarming Solution (LWP). It includes Geofencing to protect users in specific zones and districts. During any operation, different zones can be created and defined. As soon as a user enters that zone, the LWP and Emergency System will be turned-on and the user will be tracked using TASSTA's certified employee protection tool, plus the support of his operation and crisis team.

TASSTA T.Flex, our smartphone solution, has a number of different options that can be configured to provide more advanced communication capabilities beside using the sensors within the phones for "Man Down" alerts. These include GPS and Indoor Localization to transmit the exact location of alerting devices; Video and Audio Feeds can be enabled from any device whose emergency button has been pushed. T.Flex uses the immense computing and sensor functions present in today's devices to deliver advanced communication. To improve communications and to help manage work teams, it is also necessary to have a professional network in place. Technology continues at a breakneck pace and having an advanced network boosts channel capacity and audio quality. In addition, a system would

support applications which allow the monitoring of GPS and management personnel across the oil fields, to enhance safety and security. This contributes to the company's mission to become more efficient while using new technology and emergency services. Ex-Certified Smartphones use TASSTA applications in hazardous areas.

T.Bridge provides a middleware solution to help customers overcome the challenges of Land Mobile Radio (LMR)/radio network integration by interconnecting a LMR System with TASSTA solutions. TASSTA's T.Bridge application is based on middleware technology that securely connects the radio network to TASSTA T.Lion server. Easy-to-use and easy-to scale, it is designed to integrate TASSTA with a LMR radio network over voice (group and individual calls) and message communication, GPS and voice recording.

With TASSTA, any oil field management company can realize the benefits of a new digital network with increased capacity on the system. In this industry, TASSTA is an ideal solution to provide effective and reliable communication between management and workers. Finally, for TASSTA it is essential to provide these companies a local communication environment when there are coverage issues that make the communication difficult. That's the rationale for TASSTA T.Lion server, an on-premise server that together with T.Brother provides a secure and robust local communication network with backup and redundancy.