Industrial 3G Modem M2M Cellular Router 4G LTE for Smart Oil & Gas

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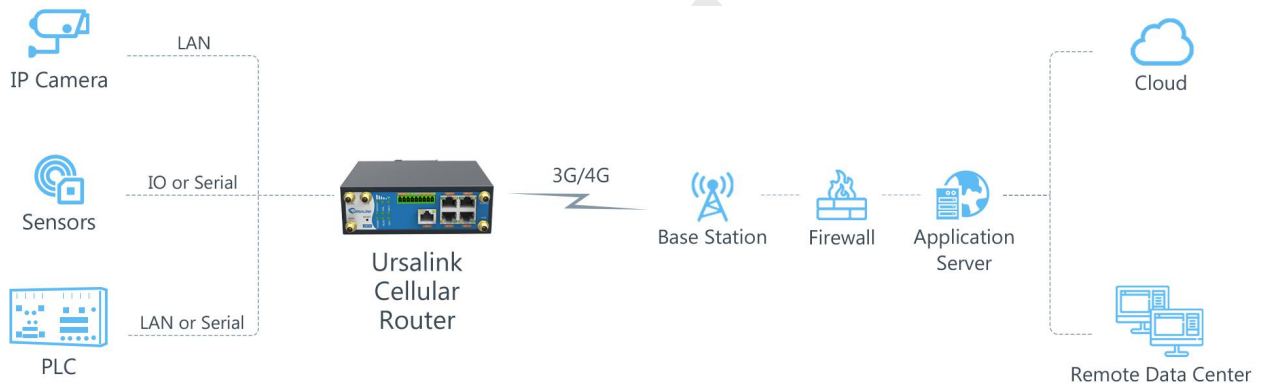
Challenge

Oil & Gas companies need to ensure continuous operation of critical equipment, no mater how remote. This means knowing the current status of equipment and pipelines, and identifying problems as they occur, without the cost of sending field workers to remote oil & gas sites.

Ursalink Solution

Deployed on Ursalink's industrial cellular VPN router, Ursalink design a basic wireless 4G/3G solution for Oil & Gas companies, relies on its 12-years experience on communication filed, which will realize the intelligent remote control, and enhance digital oilfield initiatives for improved operations, reduce operating costs and increase profits.

The whole solution consists of IP camera, sensors, PLC, Ursalink LTE/3G cellular router, and third-party M2M cloud management software. Wherein, Ursalink router gathers real-time data from sensors or PLC, acting as a master and transmits data to Modbus registers, which can be accessed by SCADA (supervisory control and data acquisition) systems via Modbus/TCP.

Benefit & Features

➢ Ursalink router provides **wireless 4G/3G/GPRS network** for connecting far away pipeline points.

➢ **Automated fail-over/fail-back** between **Ethernet and cellular (dual SIMs)** to ensures all data to be sent to cloud or SCADA software timely.

➢ **Multiple VPN** (**IPsec, OpenVPN, DMVPN, GRE, L2TP, PPTP**) ensure the secured and stable communication.

➢ Featuring **1 or 5 Gigabit Ethernet ports**, an Ursalink cellular router is all you need.

➢ Serial ports (**RS232 & RS485) and I/O** interface for receiving and transferring real-time data.

➢ Real-time **SMS & Email alerting system** can promptly inform any fault and do maintenance immediately.

➢ Support **Max. 512GB SSD and Max. 128GB Micro SD card** for data storage.

➢ **Embedded Ursalink SDK (Python 2.7/C)** for secondary development.

➢ Industrial design with IP30 protection class to adapt to the harsh environment.

➢ Full **3-years warranty (Free of charge**) and **24 hours* 7 days** online technical support