

LTE FOR OIL & GAS

A NEW PARADIGM IN OPERATIONAL EFFICIENCY



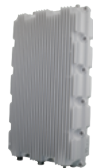
Redline offers a complete, end-to-end LTE solution, giving your operation the open-standards connectivity to support LTE mobile handholds as well as IoT (Internet of Things) sensors and devices, while complying with the required standards for rugged and safe operation.

THE SOLUTION INCLUDES:

Two models of eNodeB:



The Ellipse 4G provides quick LTE deployment to critical work areas, as well as certification for use in hazardous areas (UL/CSA Class 1 Div 2).



The Ellipse 4G HP model offers the geographical coverage of a larger LTE macro-base station, without the size, weight, or cost.

FlexCore EPC: Redline's LTE core solution, includes a standards-based EPC with a low-cost, entry-level model which is well suited to most oilfield deployments. FlexCore PTT is a module which provides Push-to-Talk (PTT) functionality to LTE mobile handsets for a private mobile radio solution over the same LTE system.

All system components are open-standard LTE (3GPP) allowing you to choose the optimum hardware/software deployment options for your application. This includes third-party LTE core components (EPC) and scores of standard LTE user equipment (UE) devices.

REDLINE BRINGS RELIABLE LTE COVERAGE TO YOUR MOST REMOTE LOCATIONS

All-outdoor hardened design and no indoor modules that require power and shelter. No moving fans, coolers, or heaters required for -40C to +60C (-40F to +140F) operation.

Standard transmit power or high power options allow the right price/performance for each project.

Low power consumption permits using solar or other alternative power source when off the grid.

Small & lightweight allows eNodeB to be installed with limited infrastructure.

Many LTE frequency bands means the solution can be deployed internationally.

Hazardous location ready allows eNodeB to be installed where mobile device coverage is optimized, even in hazardous areas.

Seamless EPC interoperability means seamless mapping to third party EPC modules and application servers.

Trusted Redline reliability means robust LTE connectivity under any environmental conditions, for many years to come, without maintenance.

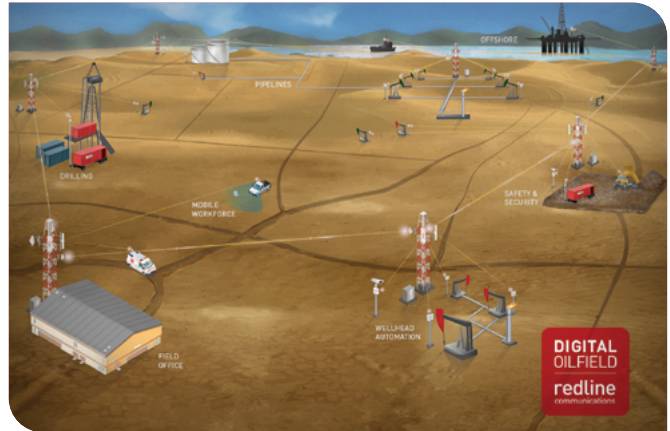
POWERFUL. VERSATILE. RELIABLE.

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communications

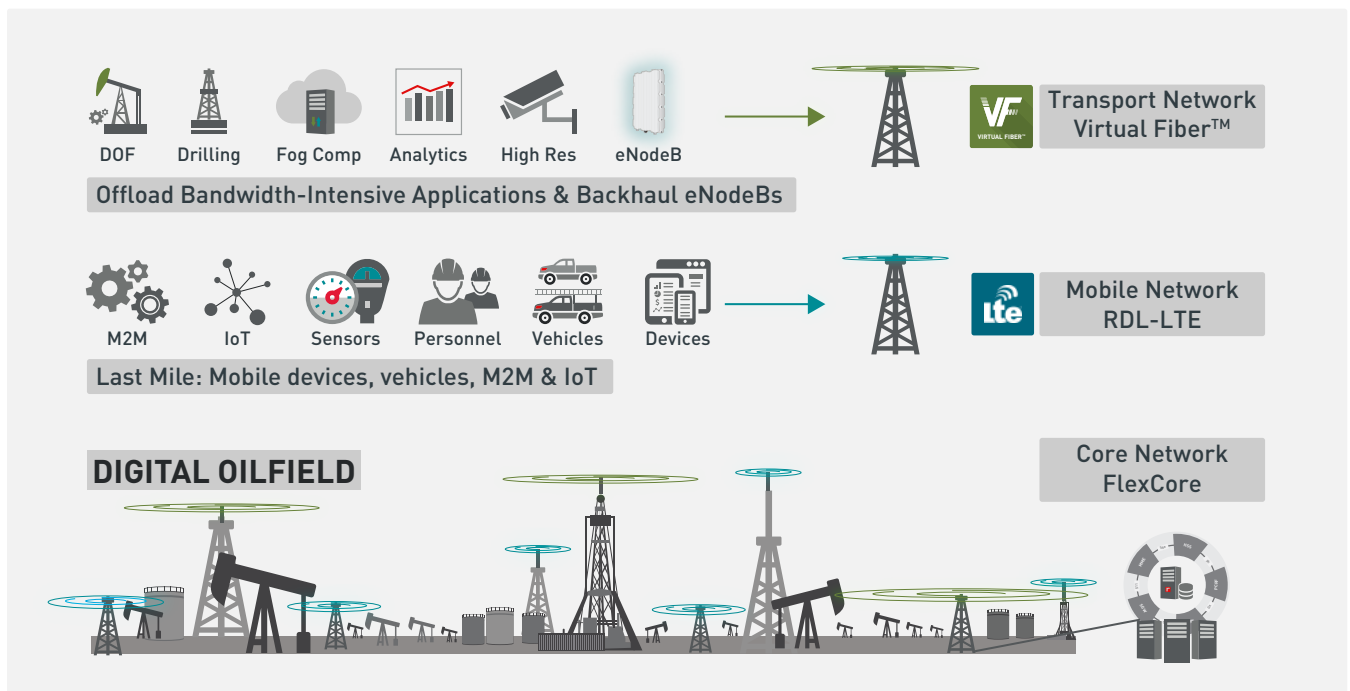
LTE IN THE OILFIELD

Private LTE can create an environment where the office and the field are one. Where any office application is available in the field, and connectivity includes personnel and vehicles, as well as all of your fixed assets. LTE's great range enables extensive geographic coverage that MESH or Wi-Fi hot spots could never cover. The resulting operational efficiency can revolutionize your oilfield.

Redline's staff have the training and certification required to perform oilfield and offshore services, (ISN, DISA, & PICS) to guarantee functionality and stability in your LTE deployment.



Redline's LTE wireless solutions combine to form a complete architecture for the digital oilfield. The LTE Mobile Network allows connectivity to mobile devices, vehicles, sensors, and other general machine-to-machine (M2M) connectivity. Redline's Virtual Fiber™ solution, which has been deployed globally for years, can backhaul the LTE Mobile Network, and also offload bandwidth-intensive applications such as high-resolution video surveillance, analytics, drilling operations, and complex digital oilfield (DOF) connectivity. Our FlexCore EPC seamlessly integrates this complex LTE network into your existing IP infrastructure at corporate. It's an end-to-end solution.



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