



RAD's Solutions for Oil and Gas Utilities

RAD's Service Assured Networking solutions allow oil and gas companies to ensure reliable, secure and robust communications for their mission-critical and other applications, over long distances and in harsh environmental conditions.

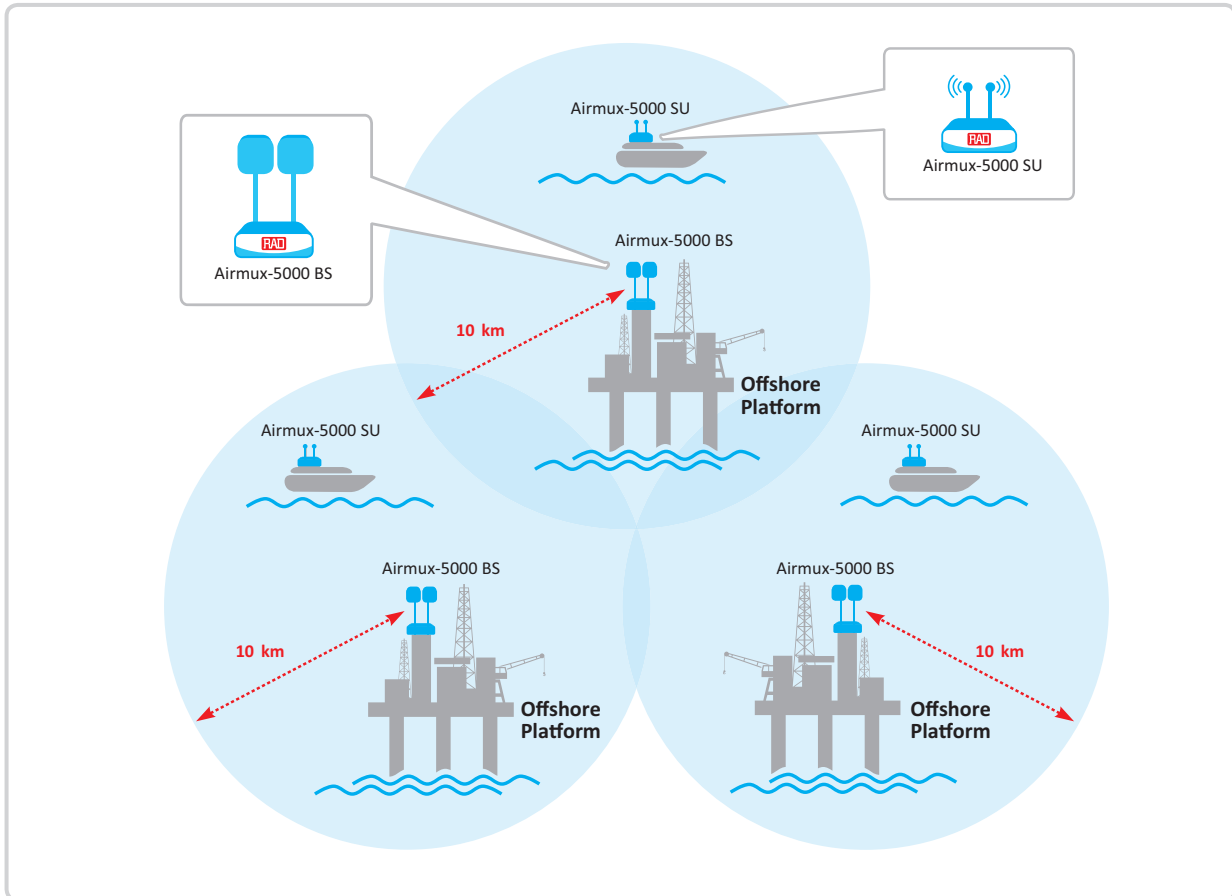
Whether along pipelines, at sea, across oil fields, or in refinery sites, RAD's comprehensive fiber

optic and broadband radio networking solutions enable constant SCADA communications and real-time video monitoring, with advanced quality of service, remote management and cyber security protection.



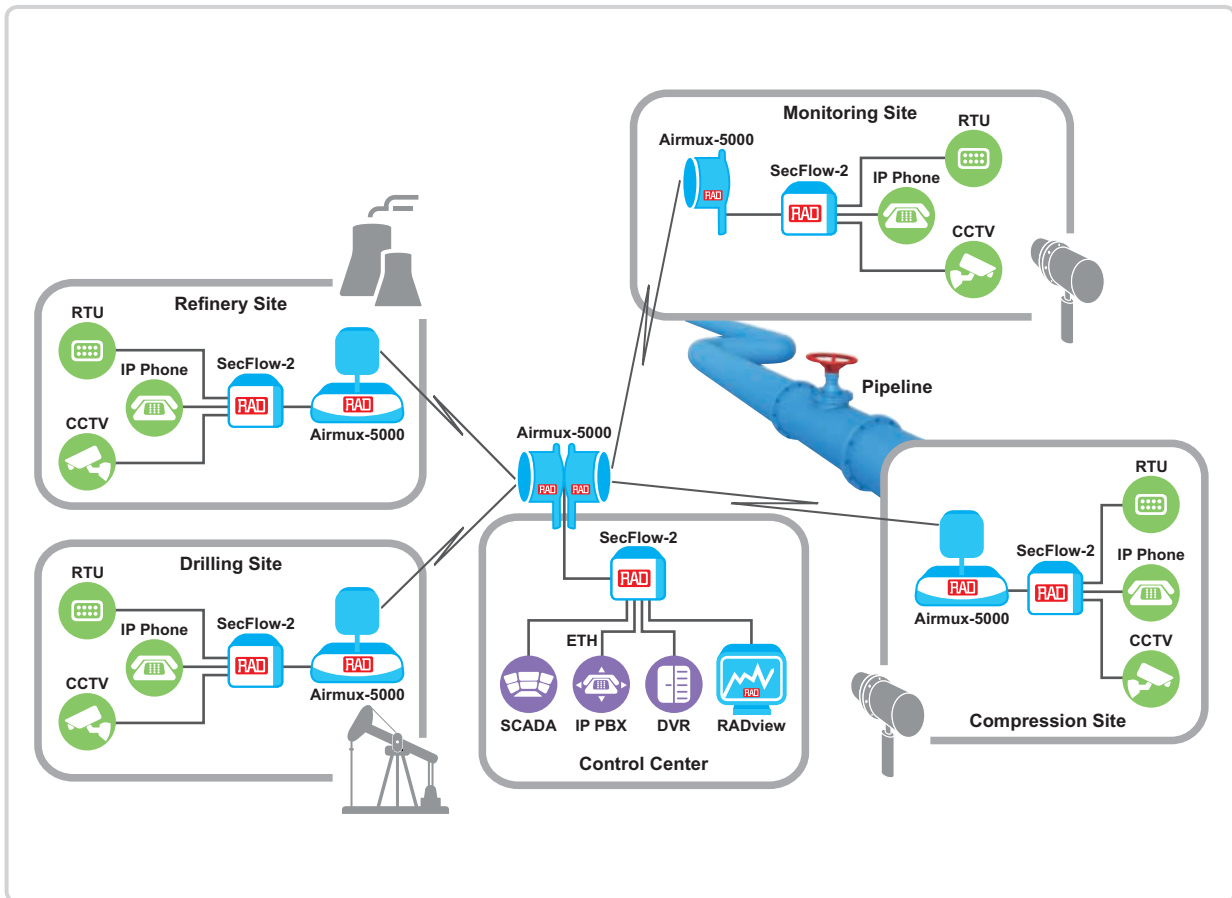
Your Network's Edge

Offshore Communications



- Support bi-directional broadband connectivity to deliver real-time video, internet access (WiFi), data, and VoIP to supply and service vessels
- Up to 100 Mbps total available throughput using base stations installed on offshore rigs and radio terminals on vessels
- 360° mobility coverage across a range of up to 10 km
- Seamless handover between base stations for non-stop communications
- Advanced QoS mechanisms, encryption and guaranteed bandwidth per vessel
- License-free, sub-6 GHz frequencies

Communications Network for Refineries, Pumping and Compression Stations and along Pipelines



- A comprehensive communications solution for automation and IT applications in oil and gas fields and along pipelines
- Complies with environmental standards for outdoor installations in harsh conditions
- Supports any available media and connectivity option, including fiber, radio, 2G/3G cellular links, or leased lines from a local telco
- Distributed SCADA security suite with integrated firewall and encryption
- Point-to-point and point-to-multipoint radio system supports up to 250 Mbps over sub-6 GHz bands, with dedicated bandwidth allocation per site and up to 120 km coverage

RAD's Service Assured Networking Solutions



Airmux

Point-to-Point and
Point-to-Multipoint Radios



SecFlow-2

Ruggedized SCADA-Aware
Ethernet Switch/Router



RADview – Performance Monitoring

Ethernet Performance
Monitoring Portal

www.pulsesupply.com

