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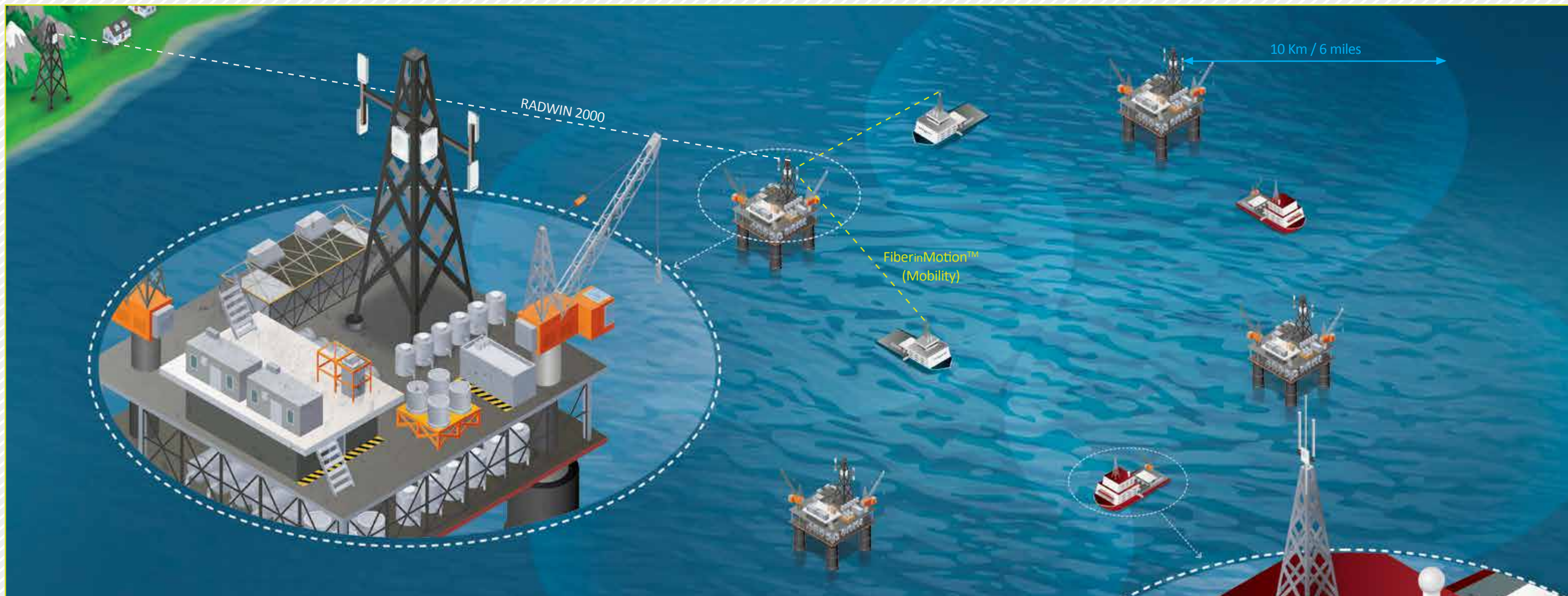
## RADWIN Solutions for Oil & Gas

RADWIN delivers high capacity Point-to-Point, Point-to-MultiPoint and wireless broadband in Motion (FiberinMotion™) solutions that are designed to operate in offshore and onshore scenarios.

These solutions support a wide range of broadband applications required by oil and gas companies to assure increased safety, security and operational efficiency.

Such applications include transmission of real time video, data and VoIP from offshore oil rigs to vessels on the move and delivery of high speed connectivity to onshore digital oil fields including mobile drillers, wells and offices.





## RADWIN Solutions for Oil & Gas

RADWIN's FiberinMotion delivers unmatched throughput of up to 100 Mbps and wide area coverage.

Consisting of powerful base stations, FiberinMotion guarantees broadband connectivity to vessels and vehicles on the move and seamless handover to assure service continuity at high speeds.

Designed to operate in harsh environments, RADWIN solutions withstand the requirements of demanding offshore deployments. This includes performance in near and non-line of sight (nLOS/NLOS) scenarios, overcoming of multipath distortion caused by reflections and a special salt-resistant anti-corrosion coating.

FiberinMotion together with RADWIN 5000 (Point-to-MultiPoint) and RADWIN 2000 (Point-to-Point) product portfolio, presents a best in class solution for increased safety, security and operational efficiency in oil and gas fields.

### Applications:

- » Real time Video/ Data/ VoIP transmission between vessels, oil rigs and the control center for:
  - » Remote 24/7 monitoring and management of rigs
  - » Situational awareness during emergency events (oil leaks, fire on platform)
- » Video conferencing to improve operational efficiency and reduce costs
  - » Technical experts to provide real-time visual guidance to offshore teams
- » Internet access and services on-board vessels and rigs (employees welfare)
- » Permanent reservoir monitoring
- » Real time video to/from:
  - » Security patrol vehicles
  - » Fire & rescue vehicles for situational awareness in emergency situations



## Technical Data

	FiberinMotion™	RADWIN 5000 HPMP	RADWIN 2000
Type	Mobility	Point-to-MultiPoint	Point-to-Point
Net Capacity	Base Station: 100Mbps	Base Stations: 25, 50 and 250Mbps	200Mbps
	Mobile Unit HMU: 100Mbps	Subscriber Units: 5, 10, 25, 50 and 100Mbps	
Number of HSUs/HMUs per HBS	Up to 32 HMUs simultaneously	Up to 32 HSUs simultaneously	N/A
Range	Up to 10 km/6 miles per HBS	Up to 40 km/25 miles	Up to 120 km/75 miles
Frequency Bands	4.9-6.0GHz	2.5-2.7GHz, 3.3-3.8GHz and 4.9-6.4GHz	2.3-2.7GHz, 3.3-3.8GHz and 4.8-6.4GHz
OFDM	Supported	Supported	Supported
MIMO 2x2 / Antenna diversity	Supported	Supported	Supported
Operation in nLOS and NLOS	Excellent (nLOS)	Excellent	Excellent
Speed	200Km/h (125mph)	N/A	N/A
Bandwidth Allocation	Configurable: Symmetric or Asymmetric		
TDD Synchronization	Inter & Intra site synchronization (co-existence within RADWIN PtP, PtMP and FiberinMotion)		
Encryption, US Security	AES 128, FIPS-197	AES 128, FIPS-197	AES 128, FIPS-197

### Networking

Sub convergence layer	Layer 2
QoS	Packet classification to 4 queues according to 802.1p and Diffserv
VLAN	Supported 802.1Q, 802.1P, QinQ

### Environmental

Operating Temperatures	-°35C to °60C / °31-F to °140F
Humidity	100% condensing, IP67



### About RADWIN

RADWIN is a leading provider of sub-6 GHz wireless Point-to-Point and Point-to-Multipoint solutions that deliver voice, video and data with unmatched high-capacity for long ranges. Deployed in over 150 countries, RADWIN's solutions serve the needs of service providers, mobile carriers, governments, enterprises, public and private security companies and transportation organizations. RADWIN's solutions power applications including backhaul, broadband access, private network connectivity, video surveillance transmission as well as mobile broadband connectivity.

### RADWIN Corporate Headquarters

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