OIL & GAS INDUSTRY

Commodity Loss Monitoring and Fleet Management Services

IoT.nxt
bridging the edge

Your organisation's ecosystem is vast and so are the mechanisms that support it. If your devices are not working in synergy with one another to perform optimally, your business will feel the pain. Effective IoT solutions with IoT.nxt can make all the difference in resolving your business challenges today. Common business challenges in the Oil and Gas Industry:

- Unable to monitor efficiency of suppliers, staff and assets within the fuel and lubricants supply chain
- Inability to monitor real-time activities and product consumption
- No real-time mechanism to action disputes
- No real-time supply chain monitoring from tank to tank
- Legacy systems managed by suppliers
- Manual reading of fuel tank levels
- Manual asset tracking

OUR SOLUTION

The IoT.nxt solution offers real-time accurate monitoring and reporting of all critical components including real-time delivery notifications, gain and loss discrepancies, fuel tank levels, fuel in transit levels, real-time product leakage detection, hardware failure and product discrepancy reports.

All our integrated solutions are underpinned by the smart Raptor™ edge gateway technology ensuring your business remains ahead of the curve in the Oil and Gas industry.

Areas of integration:
- Transport Vehicles
- Flow Meters
- Fuel Management Terminals
- Lubricant Drum Barcode Scanning
- Fuel Dispensing Controllers
- Upgraded Legacy FMS
- Thermal Imagery
- Integration with existing FMS and other systems
- Automated lubricant and asset tracking
- Mass balancing of fuel leaving the source depot and fuel received at ISP

ECOSYSTEM OVERVIEW

REAL-TIME DATA

Microsoft

INTELLIGENT CONTEXT CONTROL
OPERATIONAL VISUALISATION
IoT.nxt EDGE DATA ORCHESTRATION LAYER
SECURITY

RAPTOR bridging the edge
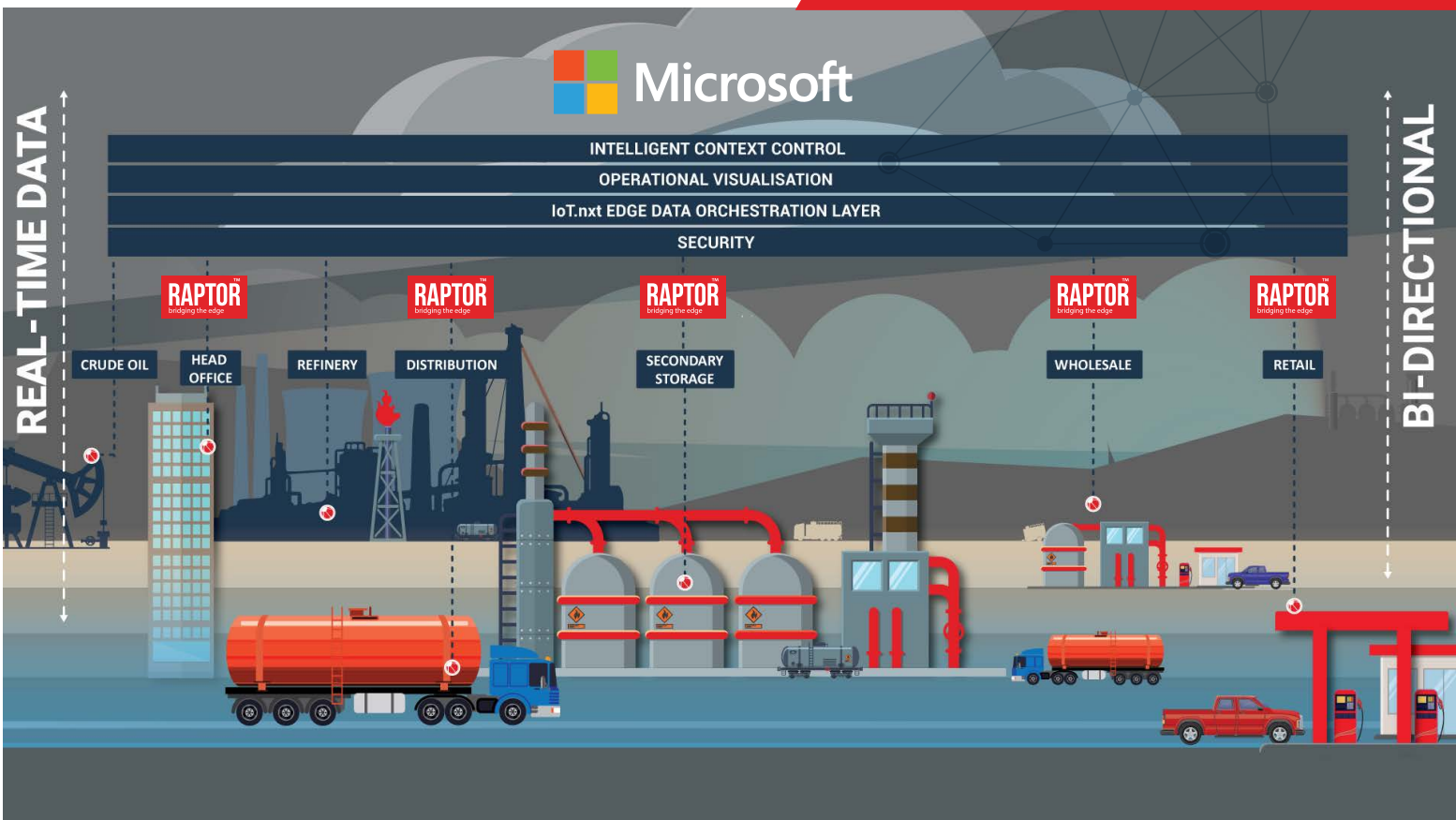
CRUDE OIL | HEAD OFFICE | REFINERY | DISTRIBUTION | SECONDARY STORAGE | WHOLESALE | RETAIL
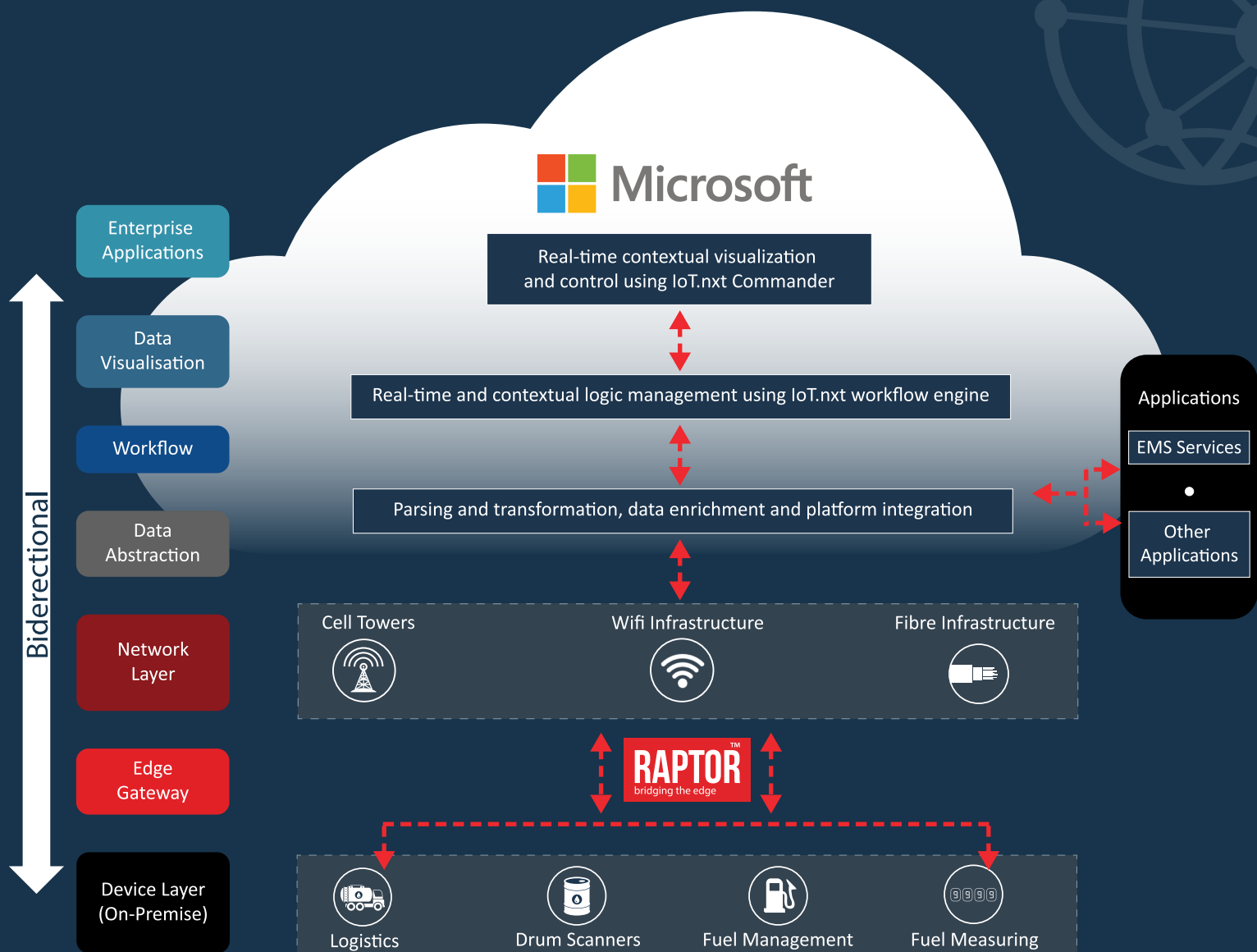
BI-DIRECTIONAL

BENEFITS

Our intelligent IoT.nxt for Oil and Gas solution will increase your organisations business efficiencies and reduces time because of infrastructure maintenance and replacement.

The IoT.nxt solutions have been spaced so that they are non-invasive to existing machinery and devices, thereby reducing disruptions to operations during implementation.

OUR SOLUTIONS ENABLES YOUR ORGANISATION TO HAVE:

- Identify losses and improve processes which translate into clear financial gains

- An interconnected system that reduces spillages and waste which results in a positive impact on the environment

- Visibility of end-to-end process backed data, enables a JIT process reducing fuel stockpiling significantly

OPTIMISING YOUR BUSINESS SYSTEMS DOES NOT HAVE TO BE COMPLICATED

Microsoft

Real-time contextual visualization and control using IoT.nxt Commander

Real-time and contextual logic management using IoT.nxt workflow engine

Parsing and transformation, data enrichment and platform integration

Applications

EMS Services

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Other Applications

Bidirectional

| Enterprise Applications |
| Data Visualisation |
| Workflow |
| Data Abstraction |
| Network Layer |
| Edge Gateway |
| Device Layer (On-Premise) |

Cell Towers   Wifi Infrastructure   Fibre Infrastructure

RAPTOR™
bridging the edge

Logistics   Drum Scanners   Fuel Management   Fuel Measuring

IoT.nxt was founded by late in 2015 and established its head office in Pretoria, South Africa. The company has achieved phenomenal growth since that date in its customer base, financial results and employee numbers. IoT.nxt is considered a leader in the South African IoT industry and has been listed in leading technology media as one of the top five companies in Africa to watch in 2018.

The IoT.nxt team is committed to demystifying the Internet of Things and have developed innovative solutions that offer customer opportunities to implement ground-breaking strategies to drive business value and grow return on investment. The IoT.nxt platform is unique in that it provides:

WHO WE ARE

Rapid Digitisation.

Intelligent filtering of data at the edge.

Real-time, in-shift optimisation of operations.

Integration of analog and digital, legacy and new devices.

Quick implementation with no disruption, retrofitting our technology to create interoperability between new and legacy infrastructure and equipment.

Consolidation of business-wide processes and data.

Remote monitoring and management of businesses.

CONNECT

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