



**ACCELERATE**  
**»»» AHEAD**

## **SPEEDCAST MANAGED CONNECTIVITY SOLUTIONS FOR ENERGY**

Meeting the connectivity needs of the digital oilfield  
from exploration and development to production,  
offshore and onshore



The energy market can be unpredictable, but one thing is certain: today's oil and gas operators, drilling contractors and service companies need to do more with less and have the ability to reassess, relocate and reboot operations efficiently. In the oilfield, a readily available network is critical to operations and safety. And as industry activity ramps up, the need for reliable communications has never been greater. In fact, market research projects new production requirements for the offshore oil sector of nearly 23 MMb/d to meet demand after 2030.

“They provide us with a complete communications solution founded on breakthrough technology that delivers robust, always-on service anywhere in the world.”

- IT Director, Transocean

## Your solution for the connected rig

To support the constant and growing need for connectivity, Speedcast provides the expertise, crucial infrastructure and the network capacity needed to keep your vital applications running and your crew always connected. We design and integrate IoT-ready connectivity, using wireless technologies from Wi-Fi to private LTE. We deliver managed, wide-area network (WAN) communications over a global network of satellites in all frequency bands and orbits, as well as carrier-grade gigabit fiber. We ensure the best user experience with intelligent network management tools, our Speedcast IoT Platform, direct access to the cloud and advanced cybersecurity as a service (CSaaS). The result? Complex, high-capacity communications that work simply and seamlessly, 24x7x365, even in the most remote locations.

Speedcast has spent more than 30 years enhancing the digital oilfield to support a variety of customer needs:

- Network Design & Implementation
- Equipment Procurement & Testing
- Licensing & Logistics in All Regions
- Service Management & 24x7 Support
- Big Data Management & Network Monitoring
- IT Systems Integration & Professional Project Management Services

## Speedcast for the Energy Market

We know the challenges and speed at which the oil and gas industry changes. You can count on us for the right technology in any geography – even in the harshest environments. And we've built the industry's most capable team to be your strategic global communications partner.

### We make network management more manageable through a host of value added solutions:

- Cyber Security
- Content Solutions
- Voice Services
- Data Applications
- Network Performance
- Systems Integration Solutions

### We do whatever it takes to connect operations without boundaries

Your crew, rigs, vessels and refineries require a robust, agile network with round-the-clock support – from basic connectivity supporting offshore living and crew welfare to interoperable technology capable of real-time, data-rich streaming, critical to running and monitoring operations.

Speedcast's global network of over 95 satellites and 35+ teleports covering the world's largest geographical footprint has the streamlined infrastructure needed to go the distance.

With 24x7 support available within any time zone in multiple languages and more than 240 field engineers, we have the experience, innovation and manpower to deliver superior global connectivity – keeping our customers on the cutting edge of reliable, secure communications.



## Added value to your operations

**Significantly smarter network** – Speedcast SIGMA and SD-WAN (software-defined networking in a wide area network) technologies turn multiple transmission paths into one WAN while managing the underlying networks for maximum performance at lowest cost. Powerful dashboards provide visibility into all remote sites and applications, and CSaaS offers intrusion protection, application control and advanced threat prevention.

**Virtual applications platform** – SIGMA features virtual machines that run leading industry applications, from cybersecurity and asset/worker tracking to internet protocol (IP) private branch exchange (PBX) and pay-at-point-of-use Wi-Fi subscriptions. Virtualization reduces the cost and complexity of managing on-premise hardware and allows for hosting company-run applications and those of third-party contractors on the network, reducing time-consuming site visits for hardware swaps and software updates.

### **Seamless, end-to-end cybersecurity**

Cyber attacks happen across all sectors and industries every day. Speedcast's dynamic cybersecurity solutions help prevent and address threats seamlessly. Leveraging best-of-breed components and real-time threat intelligence, our scalable and adaptable services meet the challenges of diverse budgets in a simple and consistent way, while keeping customers ahead of an ever-changing threat landscape.

### **Speedcast IoT Center**

Deployed on Amazon Web Services (AWS), Speedcast's IoT Center receives data from all connectivity paths and manages service delivery, integration, process flow,

security and API access, including remote operation. A single dashboard simplifies connectivity, provisioning and device management and allows you to select the most reliable and least expensive connectivity options from a single intuitive graphical user interface.

### **Welfare connectivity and entertainment solutions**

Speedcast LAUNCH offers remote staff and crew onboard any vessel or at any remote site a seamless solution to launch their digital world. The portfolio includes access to fully managed, user-friendly, remote-site Wi-Fi and ancillary entertainment services, including movies and television, and periodical content.

### **Remote personnel and asset tracking**

Speedcast FieldVision is an online application that aggregates status, location and telematics data from connected devices anywhere in the world to manage health and safety, track assets and monitor vehicle telemetry. Features include automatic alerting to pre-programmed change and a Lone Worker app for check-in, SOS alerting, geofence entry/exit notifications and more.

### **Wearables and virtual applications**

Powered by Speedcast's connectivity solutions, hands-free devices, or 'wearables,' host live video feeds and applications, providing customers with a view into their real-time operations remotely. Proven to be accessible across different technologies, this solution allows operations leads to monitor site performance via a wearable headset's virtual view, when being on site isn't possible. Speedcast provides the network for these devices and applications to bring your remote operations to you.

To learn more on how Speedcast can fully connect your energy operations, contact us at [info@speedcast.com](mailto:info@speedcast.com).