




## Shell Oil

### Monitoring offshore drilling sites



#### Organization

Shell Oil

#### Industry

Corporate

#### VBrick Products

- Windows Media® Encoding Appliances
- EthernetTV VOD Server
- EthernetTV Portal Server
- EthernetTV Digital IP Receiver

#### Applications

Surveillance and Monitoring

Time, money and above all, safety, are critical elements when dealing with problems on offshore oil rigs. Thousands of rigs are located around the world, often in hard to reach areas.

#### The Challenge

Monitor offshore oil exploration and underwater drilling remotely from multiple locations

SEPCo traditionally deployed experts to rigs during operations to advise drilling personnel and sidestep potentially expensive operational errors. Each expert continually traveled to various rigs to diagnose and solve problems. This activity was expensive, timeconsuming, and limited an expert to only focus on one rig at a time.

#### The Solution

Shell leveraged VBrick video and saved money by creating the Real-Time Operations Center (RTOC) which enables experts to monitor drilling projects from one central location

VBrick's real-time video is now central to RTOC success. Video cameras positioned on the rigs, and miles underwater on Remote Operated Vehicles, send video feeds to each rig's control room via standard coaxial cable.

A VBrick Windows Media or MPEG-4 appliance, located in each rig's control room, compresses and digitizes the analog video. The VBrick appliances transmit secure, high-quality video across SEPCo's satellite communications network using only 64 kilobits per second of bandwidth. The stream is directed to another Windows Media appliance which redistributes (reflects) the stream to several locations simultaneously where it can be viewed live on the expert's desktop, or any computer with an network connection. Videos also can be recorded and later viewed on demand.

Shell chose VBrick because its products are rugged, easily-managed appliances that can withstand the harsh offshore environment. Additionally, the technology's low delay characteristics enable RTOC staff to collaborate with the on-rig personnel in real time.

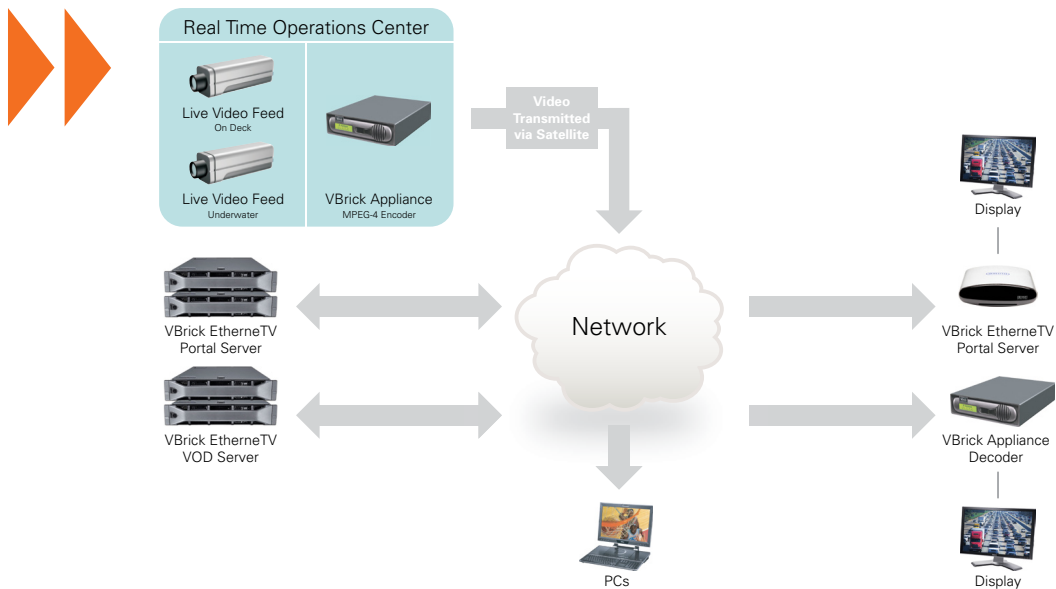
#### The Benefits

Shell Exploration and Production Company has reduced costs, increased production yields, and minimized risk by monitoring remote oil facilities with IP video

Now, remote experts use IP video to diagnose and direct rig oil exploration and drilling maintenance/repair. SEPCo centralizes its senior expertise to manage multiple rigs simultaneously, mitigate operational errors, minimize costly downtime, and also reduce expensive and timeconsuming travel to rigs.

Moving forward, SEPCo is using VBrick solutions to provide live and on-demand training to the remote facilities so a technician can review a procedure just prior to implementing it.

### System Integration



**About VBrick Systems, Inc.**

VBrick is the leader in Enterprise IP Video solutions, with over 9,000 corporate, education and government customers and 60,000 installations worldwide. VBrick solutions work over standard IP networks and the Internet to deliver rich media communications that connect people everywhere – from employees and customers, to partners and shareholders. Our comprehensive product suite and end-to-end solutions are used in a wide range of live and on-demand applications including meeting and event broadcasts, distance learning, digital signage, TV distribution, video surveillance, and Web-based marketing campaigns. Headquartered in Wallingford, CT, VBrick’s products and services are available through industry-leading value-added resellers.

For more information, visit [www.vbrick.com](http://www.vbrick.com)



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