ViPS combines the key functions of a Master Control Station into a compact environment for precise and safe simulation of your subsea production control system. Packaged in a portable 19" cabinet that can be operated either locally or remotely – in each case providing full simulation capability across the complete production control system.

A valuable tool with many applications, ViPS integrates the subsea field simulation and topside production control software suite. The system is switchable across multiple fields, to enable the replication of faults for complete analysis and remediation. Software development, pre-installation testing and technician training are just some of the benefits offered through the ViPs platform.

Key benefits
- Minimizes the need for offshore integration testing, through improved simulation functionality – providing greater synergy with the production MCS environment via the integration of software applications
- Switchable across multiple customer fields and offers the flexibility to configure MCS systems and customer-specific software
- Fully compatible with multiple GE Oil & Gas products (SEM3, SEM2K, SemStar5™) and provides the ability to connect to GE’s SmartCenter™ for remote technical support

GE imagination at work
ViPS enables local or remote access and communicates with the virtual subsea simulator or with the actual subsea control modules via an Electrical Test Unit (ETU).

Technical specifications & key features
- Full topside and subsea system simulation
- Ability to perform hardwired and process shutdown tests
- Dual watchdog programmable logic controllers (PLCs)
- Communication with virtual subsea simulator or to a physical SCM via an ETU
- Testing of external interfaces
- Point-to-point I/O testing
- Future expansions can be fully tested from the DCS through to the SCM, bringing together a full functional test setup
- Capability to perform offline system diagnosis
- Can be utilized for technical and operational training

ViPS is a proven, cost-effective way for your team to evaluate life of field options and upgrades to enhance system performance.