



IADC
WellSharp™

Fit-for-purpose
well control
training and
assessment for
a high-reliability
industry

WellSharp™
is the drilling
industry's response
to the need for
improved well control
performance.

The operational business case for WellSharp is compelling.

WellSharp will enable drilling companies to reduce non-productive time, minimize incidents, eliminate injuries and improve overall drilling efficiency. WellSharp helps drive out cost.

The reputational case for WellSharp is compelling.

WellSharp will enable a positive public view of drilling operations by ensuring that drilling crews do the right thing, the right way, at the right time, every time. WellSharp reduces risk and helps to maintain the drilling industry's license to operate.

As we enter increasingly challenging drilling environments, continued access to hydrocarbons depends on our ability to show that we are a high reliability industry. A fit-for-purpose global well control training programme is critical for success.

WellSharp™ is the answer

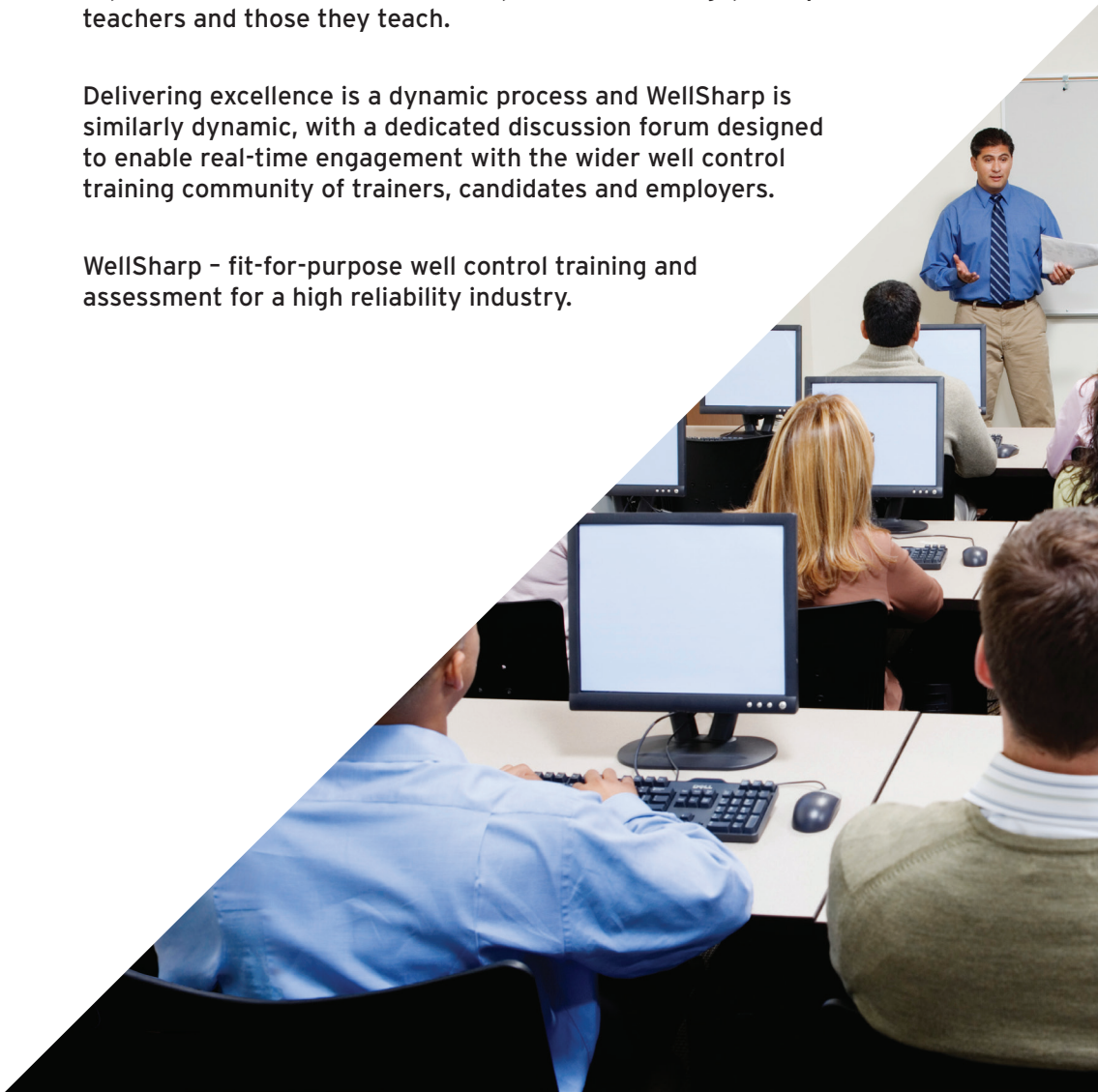
WellSharp was created by a collaborative industry effort and is owned by IADC member companies.

With the emphasis on rigorous training for every individual with well control responsibilities, the new WellSharp program addresses industry concerns with existing programs, such as knowledge gaps, practical/theoretical imbalance, variable teaching standards, skill retention and robust testing methods.

WellSharp uses the latest electronic techniques to train and test, with sophisticated feedback features to provide valuable gap analysis for both teachers and those they teach.

Delivering excellence is a dynamic process and WellSharp is similarly dynamic, with a dedicated discussion forum designed to enable real-time engagement with the wider well control training community of trainers, candidates and employers.

WellSharp - fit-for-purpose well control training and assessment for a high reliability industry.





Transforming well control training

Developed collaboratively by the IADC WellCAP Advisory Panel, IADC Well Control Committee, and other industry workgroups, WellSharp expands well control training on operations and task-oriented skills to include:

Incident prevention and management of the well.

Greater risk awareness and assessment.

Greater understanding of barriers and barrier management.

New technology and related terminology referencing unique drilling situations that have come about through new drilling environments, new equipment and new capabilities.

Enhancements to the training and assessment process to help ensure process integrity and international uniformity include:

Centralized electronic testing, including random question generation

- Each test is specific to the individual.
- Specific test content is unknown to the instructor, eliminating 'teaching to test'.

Immediate test results and feedback based on learning objectives

- Pass or fail, system identifies questions answered incorrectly and provides immediate feedback on candidate weaknesses.
- System identifies trends in responses to assist training providers to identify possible teaching weaknesses.

Independently proctored/invigilated assessments

Strengthened instructor qualification requirements

WellSharp includes expanded course levels in line with OGP 476 recommendations to tailor training to the requirements of specific roles and responsibilities.

Level	Stipulation	Length	Recertification	Content and candidates
Awareness	Recommended	4hrs	None	Basic concepts and principles for support personnel with no direct well control responsibilities.
Introductory	Recommended	16hrs	5 years	Essential well control knowledge for rig crews, including floorhands and other non-technical personnel.
Driller	Required	24hrs	2 years	Practical well control skills, with a focus on kick detection and well shut in, for assistant drillers and drillers.
Supervisor	Required	24hrs	2 years	Focused on well kill procedures, designed for drilling foremen, company men, toolpushers and superintendents.
Engineer	Required	29hrs	2 years	Avoiding or minimising well control issues through well design.

Surface/Subsea

Course	Length	Recertification
Supervisor (Surface)	24hrs	2 years
Supervisor (Subsea)	24hrs	2 years
Supervisor (Combined)	29hrs	2 years
Engineer (Surface)	24hrs	5 years
Engineer (Subsea)	24hrs	5 years
Engineer (Combined)	29hrs	5 years



The WellSharp™ Forum

The WellSharp Forum is an interactive forum designed to allow the well control training community to discuss WellSharp, as well as to raise issues relating to the wider industry.

The forum is for trainers, candidates and those with a general interest in well control and the drilling sector.

Please register and join the conversation at <http://forums.iadc.org>.



WellSharp™ – meeting industry well control training goals

Industry Goal	WellSharp Features
Close knowledge gaps	<ol style="list-style-type: none"> 1. Programme role-specific with content targeted at specific responsibilities. 2. Additional topics including barrier management, risk management and directional/horizontal drilling. 3. New courses for personnel not previously trained in well control. 4. Individualised testing to ensure whole-course content teaching and eliminate 'teaching to the test'. 5. Immediate feedback for individual and employer. 6. Progressive course hierarchy with prerequisites for attendance.
Create a rigorous & standardized testing methodology	<ol style="list-style-type: none"> 1. Globally standardized knowledge assessment at each level. 2. Independent proctoring/invigilation system. 3. Assessments to confirm critical knowledge and skills. 4. Consistent, responsive and secure electronic testing system. 5. Individual practical (simulator) assessments. 6. Assessment report provided to both the individual and the employer.
Sustain a high level of instructor performance	<ol style="list-style-type: none"> 1. System identifies trends, including direct assessment of trainer strengths and weaknesses. 2. Student training feedback system independent of the training provider. 3. Direct visibility to student of instructor to simulator ratio. 4. Mandatory 'Train the Trainer' courses. 5. Defined system of trainer development, trainer qualification and trainer re-certification. 6. Robust auditing process.
Achieve a practical/theory balance	<ol style="list-style-type: none"> 1. Globalised/standardised simulator assessment. 2. Blended learning instruction encouraged. 3. Greater number and type of skills exercises.
Enhance knowledge & skill retention	<ol style="list-style-type: none"> 1. More simulator assessment requirements. 2. Recertification required for Introductory Course.
Focus on critical content	<ol style="list-style-type: none"> 1. Requirements defined for all personnel with well control responsibilities. 2. Course number increased to deliver role-specific courses for all levels. 3. Course-specific teaching groups.

**International
Association
of Drilling
Contractors**

10370 Richmond Avenue
Suite 760
Houston, Texas 77042

Phone: +1-713-292-1945
Fax: +1-713-292-1946

**www.iadc.org/wellsharp
wellsharp@iadc.org**



IADC™

Doc 9.0

© 2015 International Association of Drilling Contractors