

# Relentless Pursuit of Perfection Ltd

## COMPANY PROFILE

*May 2019*



# WHY – WHAT - HOW



## The Golden Circle

### WHAT

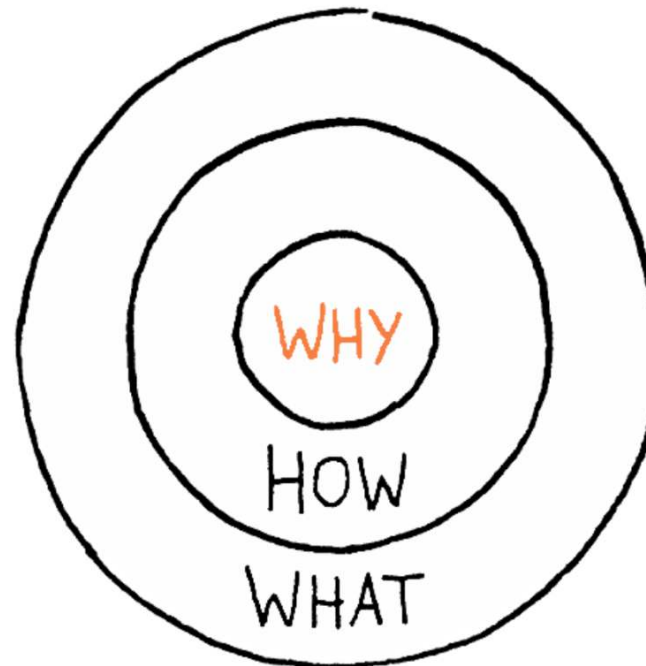
Every organization on the planet knows WHAT they do. These are products they sell or the services

### HOW

Some organizations know HOW they do it. These are the things that make them special or set them apart from their competition.

### WHY

Very few organizations know WHY they do what they do. WHY is not about making money. That's a result. WHY is a purpose, cause or belief. It's the very reason your organization exists.



With thanks to Simon Sinek

### WHAT

Technical Facilitation/Services & Coaching

### HOW

Getting Everybody Involved in Perfecting Things

### WHY

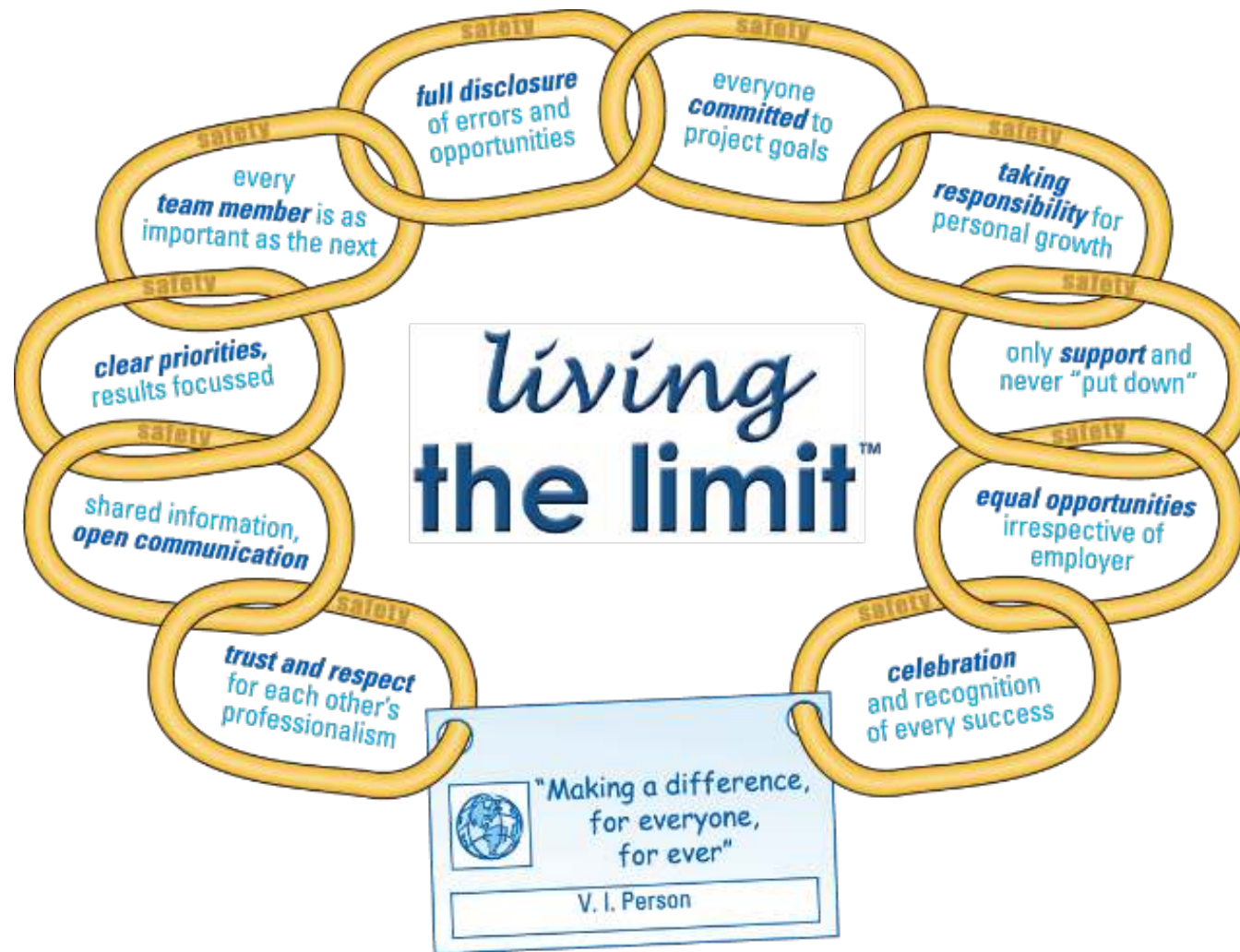
Bringing out the best in teams



## The Perfect Outcome

# Nurturing World Class Teams...

... by helping you to create an Enabling Environment



"Living the Limit" is a trademark of Relentless Pursuit of Perfection Ltd and cannot be used without permission.

# Core Areas

## Drilling, Production & Decommissioning Optimisation

*Facilitation & Training, Coaching*

### Technical Forums

*SPREAD (my-spread.com)*

*Drillers.com*

### HSE Support

*Facilitation & Training  
Coaching*



### Technical Services / Project Management

*Full-resourced  
Adhoc*

### Manpower

*Drillers.com  
Recruitment*

### Personal Development

*Training, Mentoring*

# Full Life Cycle Support

## Performance Facilitation (full life cycle)

- i-WOPs
  - Improvement, Efficiency
- DWOPs
  - Also CWOP, TWOP etc
- Systems Gap Analysis
- Project Kickoff
- Well Design Challenge
- Peer Assist Review
- Teambuilding / Alignment
- Performance Plans
- Best of the Best Analysis
- After Action Reviews

## HSE Services

- HAZOPs / HAZIDs/RA
- Human Factors Training
- SMS
- DROPS (Policy, Survey, Systems)
- Safety Cases / Bridging Documents
- Operational Safety Reviews
- Incident Investigations



Proud owner of [drillers.com](http://drillers.com)

## Technical Services/ Project Management

- Fully resourced PM
- HPHT Services
- MPD/UBD
- HAZID/HAZOP
- Office & Wellsite Support

## Performance Coaching

- Performance Coaches
- Performance Thinking
- Rig Start Ups
- HPHT Coaching
- Helping Hands
- Build National Competency
- Academy
- Train-the-trainer

## Recruitment

- Short Term Hire
- Well Delivery Disciplines



# Summary

- Founded in 2000
- Initially based in Aberdeen: Coaching, Facilitation
- Now based in Jakarta, with supporting services in:
  - Aberdeen
  - Colombia (serving South America)
  - Nigeria
  - Malaysia
- 427 Workshops
  - DWOPs, CWOPs, HAZOPs, TWOPs
- 23 Coaching Contracts
- Served 225 wells teams in 55 countries
  - Every kind of installation
- Typically achieve >20% time reduction
- Additional Optimisation services: Produce-the-Limit, i-WOP
- Additional Services: HSE, Human Factors, Recruitment (see next page)



# Typical Achievements: D&C and Decomm

- **Facilitation & Coaching**
  - First application of Technical Limit to Well Decommissioning (17-28% improvements vs. Benchmark)
- **Benchmarking & “Prepare to Excel”**
  - Wells drilled in just over half the AFE
  - “Breakthrough in performance culture”
- **Helping Hands**
  - Experienced Drilling personnel as extra “eyes and ears”
  - Contributed to well cost savings of up to €4.5 million per well
- **DWOPs, CWOPs, HAZOPs**
  - Deepwater, HPHT, Geothermal,
  - Coal-bed methane, conventional

***Safer,  
Faster  
Cheaper***

See sample Testimonials later.  
Contact us for more details specific to your needs



# On the Job Support



- **Wellsite Coaches**
  - Highly experienced coaches support the crews
  - Performance optimisation through Pre-section Meetings, After Action Reviews, video capture & analysis
  - Crew development through “Helping Hands” – Support, advice and fun
  - Development of national crews
- **Office Coaches**
  - Manage wellsite coaches
  - Focal point for office staff
  - Keep the performance attitude burning in the team



# The Performance Consultancy

- HSE Services

- Human Factors awareness training and field coaching
  - According to OGP 502 Guidelines (WOCRM)
- Expert Technical Facilitators to invigorate your HAZOP/HAZID meetings
- Introduction to Process Safety; KPIs developed & owned by your crews
- DROPS, MAHRA/Safety Case, Investigations
- On-boarding
- Risk Assessments



# Technical & Project Management services

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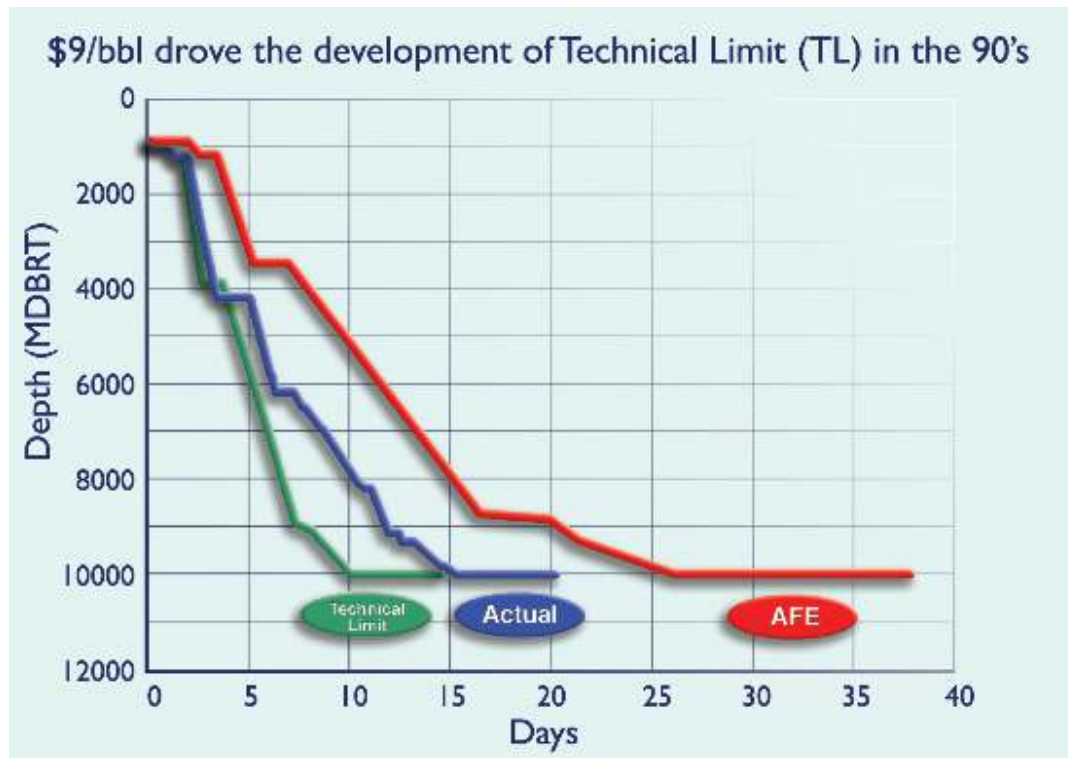
- Using our manpower sites plus our extensive networks, we can provide fully resourced Project Management or adhoc Technical Services
  - Drilling
  - Completions, Well-testing and Workover/Intervention
  - Production & Petroleum Engineering
  - Decommissioning
  - Logistics, Contract & Procurement



- Training & Events
- Jobs
- Engineering calculations
- Blog

# Typical Experiences

- Technical Limit Service (office and/or wellsite)
  - bp Indonesia: booked \$60 million benefit from our work.



**Safer,  
Faster,  
Cheaper.**

**Without  
compromising  
Safety and Quality**

- i-DWOPs
  - i = Improvement. The focus is on efficiency.
  - Address any “Failure to learn”
  - bp Egypt: 65 days head of AFE on a Deepwater x HPHT well, 100 days ahead on 9-well batch-drilling campaign ... “Best in Basin”

# Our Mission...

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To work with you to drive out waste, maximise value and minimise the learning curve whilst preserving your core values.



“If we were to do this together for the *first time*, knowing what we know now from our years of experience, how would we do it ?”



“If we were to do this *again*, knowing what we know now, how would we do it ?”

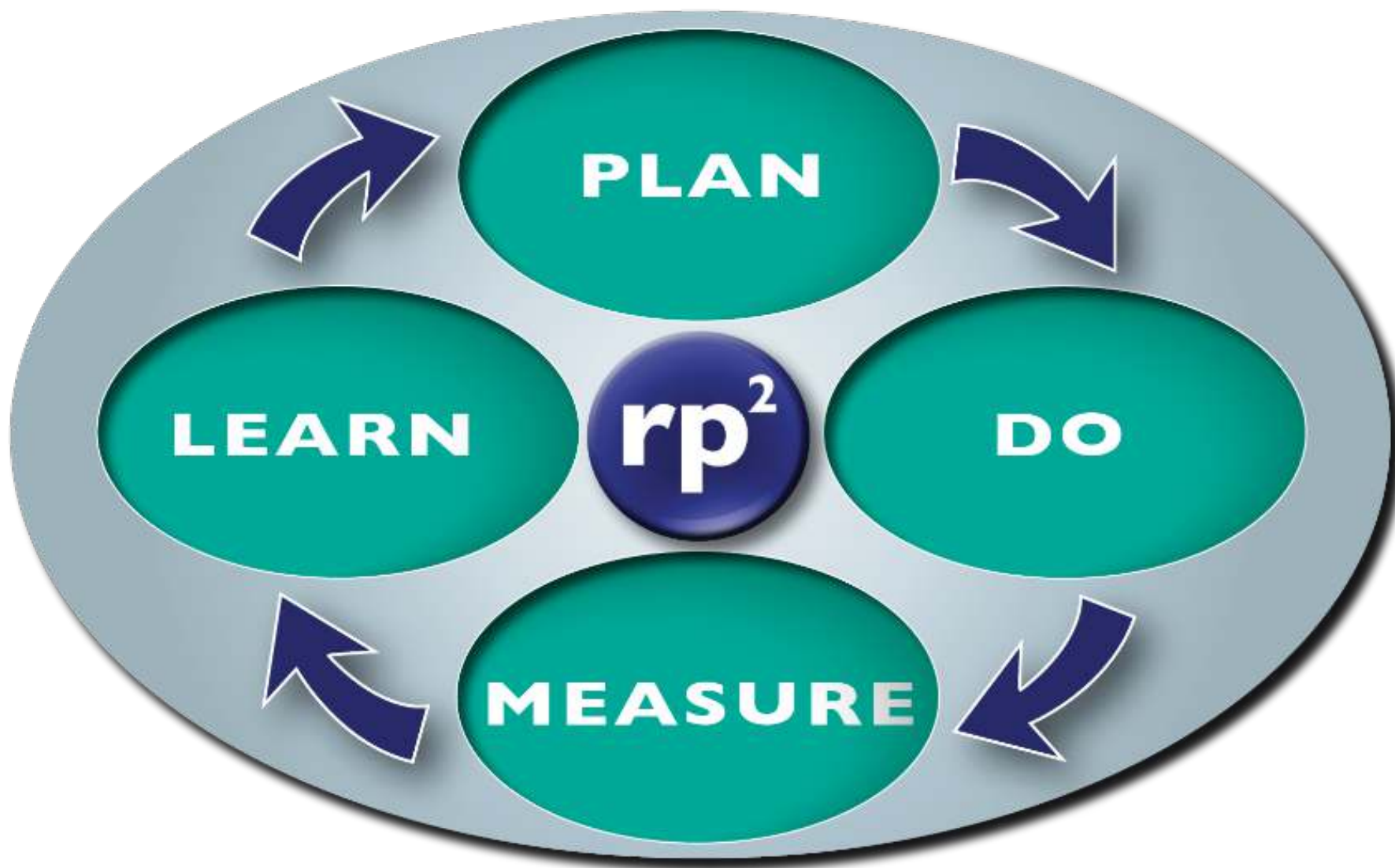
# “Living the Limit”

Is believing that everyone should want to do the very best possible..

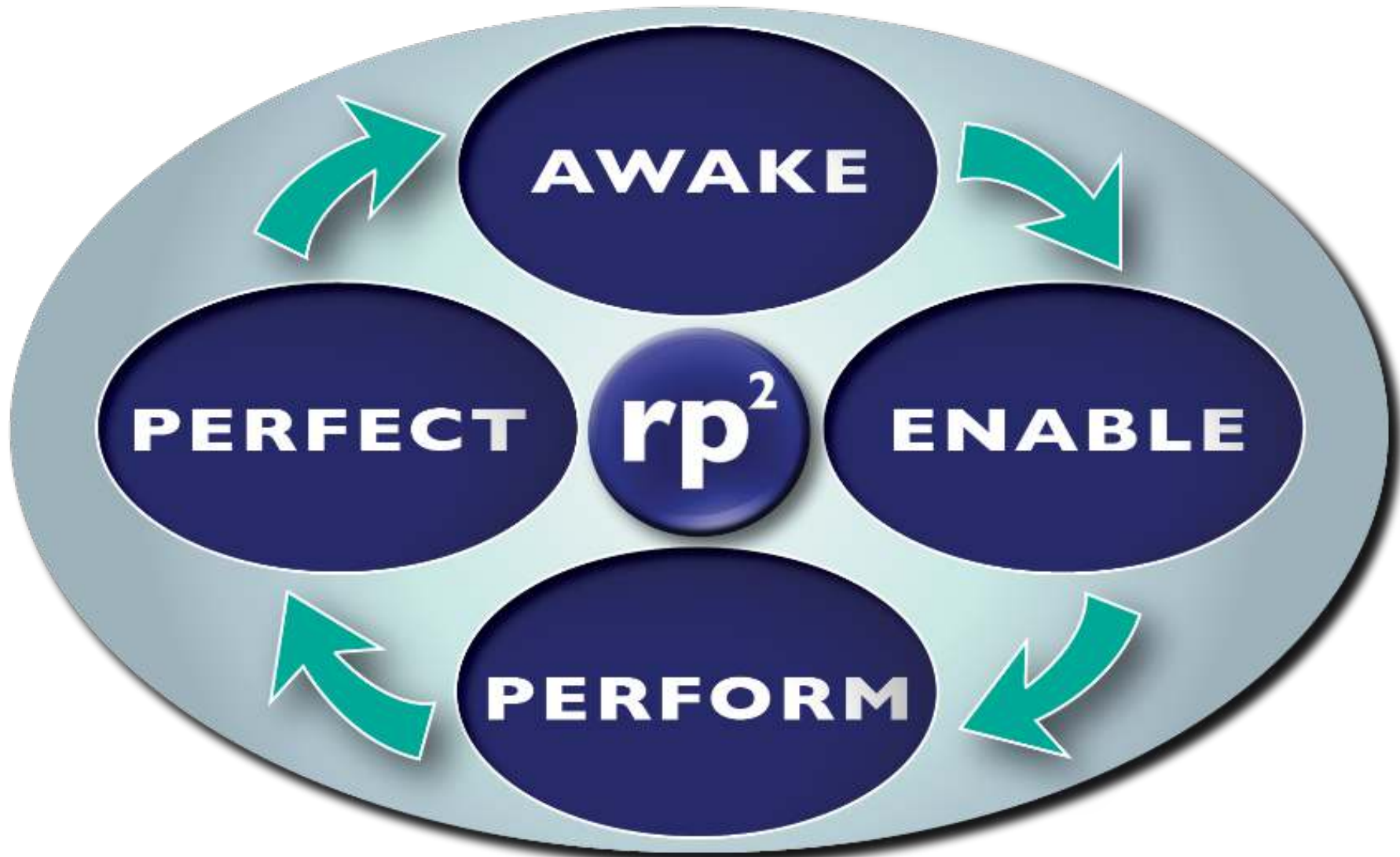
With what we've got  
With what we could get

# “The Perfect Outcome”





...and make it come alive in our hearts



# It's not just drilling

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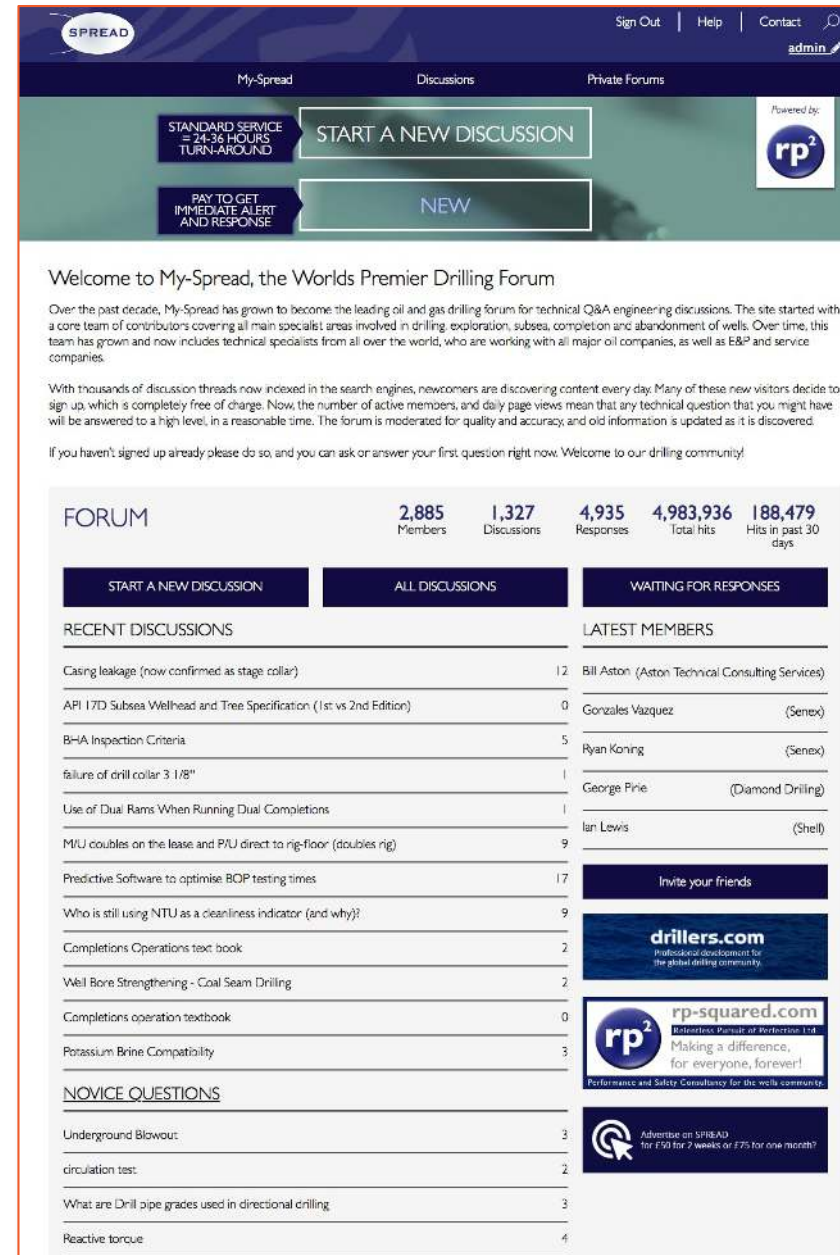
- Ops/Safety Reviews
- Brownfield Extension Programme
  - Align all departments / team-building
  - Challenge the planning assumptions and look for efficiencies
  - Dive-the-workface-on-paper (“DWOP”)
- Dewax-pipeline-on-paper (“DWOP”)
- Start-up Field on Paper
- Turbine Overhaul AAR
- Field Development Wash-ups (Technical, Commercial, Contractual, Partners)
- 90-day safety plans
- Project Wash-ups

# My-Spread Discussion Forum

## FREE Discussion Forum

[www.my-spread.com](http://www.my-spread.com)

- > 2850 members
- > 1000 organisations
- > 1300 discussions



The screenshot shows the homepage of the My-Spread Discussion Forum. The header includes navigation links for 'Sign Out', 'Help', 'Contact', and 'admin'. Below the header, there are buttons for 'START A NEW DISCUSSION' and 'NEW'. A banner on the right says 'Powered by: rp²'. The main content area welcomes visitors to the forum, highlighting its growth and the quality of discussions. It also provides statistics: 2,885 Members, 1,327 Discussions, 4,935 Responses, 4,983,936 Total hits, and 188,479 Hits in past 30 days. There are sections for 'RECENT DISCUSSIONS' and 'LATEST MEMBERS'. The 'RECENT DISCUSSIONS' section lists topics like 'Casing leakage (now confirmed as stage collar)', 'API 17D Subsea Wellhead and Tree Specification (1st vs 2nd Edition)', and 'BHA Inspection Criteria'. The 'LATEST MEMBERS' section lists names like 'Bill Aston', 'Gonzales Vazquez', 'Ryan Koning', 'George Prie', and 'Ian Lewis'. There are also links to 'drillers.com' and 'rp-squared.com'.

# Experience Profile

## Outside Europe and Inside Europe





# Job Experience outside-Europe

Most recent clients shown first, with their most recent activity shown first

Client	Country	Activity
	Myanmar	Campaign-DWOP (Deepwater Exploration with MPD)
		MPD x HAZOP, then DWOP
		Project/Well-specific Risk Assessment (Drill, Test)
	Australia	<b>Performance Challenge Session; Readiness Review</b>
		Initial Technical Review
	Vietnam	Desktop Review of Well Abandonment Plan
	Indonesia	KBD-2X AAR
	Gabon	DWOP (Ultra-Deepwater)
	Colombia	DWOP (Wildcat) + Soft-skills training (performance)
	Canary Islands	DWOP (Deepwater Exploration); HAZOP (MPD)
	Angola	DWOP (Deepwater Exploration)
	Kurdistan	2 x DWOP
	Libya	Safety-DWOP (onshore exploration)
	Trinidad/Guyana	DWOP plus HPHT training plus Stuckpipe Training
	Indonesia	Phase 2 (2018-2019): Onshore Performance Co-ordinator, multiple Workshops TEAP (2012- 2014): TL Support (office & national wellsite coaches, DWOPs, TWOPs) Phase 1 (2007-2009): TL support (wellsite & office coaches, DWOPs, CWOPs; DSV/NDV).
	Oman	KZN-113 Critical-Section DWOP
	Egypt	i-DWOP (Deepwater x HPHT Exploration), then 1 x DWOP (Atoll-1).
		3 x Development Well campaign DWOP (Taurus-Libra, Raven East, Raven West)
		4 x Development Well campaign CWOP (Taurus-Libra, Raven, Atoll, Giza-Fayoum)
		1 x TreeWOP (Taurus-Libra)
		1 x HPHT Exploration onshore (Mocha-1)
		1 x 'Deepwater HPHT' DWOP plus Team-Building (Atoll-2)
	Algeria	Wellsite Training & Coaching
	Egypt (Gupco)	DWOPs / Performance Seminars. Coach the coach.
	Indonesia	Buntal-5 Risk Assessment, then DWOP-CWOP (Subsea, D&C&T)
		AS campaign DWOP-CWOP
		JR campaign DWOP-CWOP
	Mexico	Etzil-1 DWOP / HAZID
	French Guiana	GMES-6 DWOP
	South Africa	Brulpadda-1X DWOP (Extreme Metocean environment)
	Azerbaijan	'Critical Well DWOP', CWOP/Human-Factors (WOCRM) Session
	Malaysia	3 x Deepwater DWOP (2013, 2014, 2017)
		2 x PMCD x HAZOP (2013, 2017)
	Nigeria	Rig Intake Support
	Congo	Ops/Safety Review 2 x DWOP (Deepwater Subsea Development, TLP). TLP x HAZOP.
	Kurdistan	DWOP
	Brunei	Crew Induction / DWOPs x HPHT training Crew Induction x DWOP x Deepwater Training (startup of newbuild 6th Gen semi)
	Kurdistan	DWOP-CWOP (Baeshiq)
		DWOP-CWOP (Tawke field)
	Kurdistan	DWOP-CWOP (Baeshiq)
	Australia	BMG Abandonment Peer Review

# Job Experience outside-Europe











Client	Country	Activity
	Indonesia	2018: Jangkrik Infill Campaign SIMOPS Assessment 2018: Merakes-1 (Exploration Well) DWOP 2016/2017: DWOP and Smart-Well/Sand-control CWOP (Deepwater Development)
	Brazil	Supervisor & Contractor Alignment. DWOP/TWOP (Total: 4 workshops)
	USA	Peer Review / Risk Assessment
	Japan	Well C-0002 DWOP (IODP Expedition 358) "Coring a Plate Boundary"
	Namibia	Prospect 'S' DWOP (Wildcat)
	Brunei	MPD x HAZID (HPHT well), then 'Critical-well' DWOP
	Malaysia	Provision of wellsite rDTL coaches. Performance Healthcheck / Assessment
	South Africa	Operational Leadership Forum
	Mozambique	2018 (Onshore): Post-campaign AAR 2016 (Onshore): DWOP-CWOP, then i-WOP 2015 (Onshore): Well Cost Challenge Session 2012 (Offshore): DWOP-CWOP/Team-building, AAR 2011 (Onshore): HWU Risk Assessment/CWOP; AAR, DWOP
	Botswana	Coal-Bed Methane Exploration Corehole Programme : Ops Walk-through
	Nigeria	Delivery Assurance Review / AAR
	Indonesia	Subsea Development: Risk Assessment - Drill, Complete, Run Tree (incl. Technical support); 3-day DWOP-CWOP
		Deepwater Exploration: Risk Assessment; MPD x HAZOP (CBHP, PMCD, 5th gen dp semi), DWOP, then TWOP
	Australia	1. Top-Hole DWOP (Greater Enfield Development) 2. Deeper Section DWOP, CWOP
	Trinidad	DWOP CWOP
	Indonesia	Akatara Phase-1 DWOP/CWOP
	Senegal	3 x DWOPs (Exploration/Appraisal), 1 x TWOP
	Morocco	
	Malaysia	1st rig : HPHT x MPD Well Control Review, Risk Assessment, DWOP 2nd & 3rd rig : HPHT x MPD HAZOP 4th rig : u-HPHT x MPD HAZOP Technical Limit training for Front-Line Supervisors
	Dubai	HPHT x DWOP 2008: Technical Limit support incl. provision of Performance Plan & coaching of client's wellsite coaches. Crew Inductions. DWOPs.
	Japan	Exploration well DWOP, then TWOP
	Suriname	DWOP/Risk-Assessment (Exploration)
	Malaysia	MPD x HAZOP (BTR x CBHP). DWOP (Deepwater Exploration)
	Indonesia	DWOP and TWOP
	Abu Dhabi	DTL Re-invigoration Programme (office & wellsite coaches, DWOPs): Phase 1 ("Proof of Concept"); Phase 2 ("Reproducibility, and Sustainability")
	Indonesia	CWOP (Complete Well on Paper); Deepwater. Supervisor Alignment Session (in shipyard for new-build)

# Job Experience – outside Europe

Client	Country	Activity
MEG ENERGY	Canada	SAGD Operational Efficiency Workshop
Eni	Indonesia	DWOP and Smart-Well/Sand-control CWOP (Deepwater Development)
	Brazil	Supervisor & Contractor Alignment. DWOP/TWOP (Total: 4 workshops)
Oil Search	Kurdistan	Expectations Workshop (office), AAR (Technical & Non-technical), TWOP
	PNG	Wellsite Expectations Workshops (as requested by Exxon-MOBIL)
	Australia & PNG	Fully-resourced LTL Programme incl. wellsite & office coaches. DWOPs, CWOPs etc.,
IncoOil	Papua New Guinea	Next Steps Workshop (Agreed goal 40% reduction in well costs) Performance Service (office and wellsite coaches, DWOP)
CNR International	Cote d'Ivoire	Baobab HAZID x multiple-DWOPs (2014); CWOP/Risk-Assessment, Wash-up (2007)
	Gabon	"Performance Advisors"
GRN	Algeria	DWOP
PERENCO	Gabon	DWOP (Deepwater Exploration)
	Brazil	
Mubadala Petroleum	Thailand	DWOP, CWOP (SMART-well with ESP)
	Indonesia	2 x DWOPs (1 x Field Development, 1 x Expl well)
(Mitra)	Indonesia	Drilling Readiness Review Project & Well Risk Assessment, DWOP, AAR
Marathon Oil	Kurdistan	i-DWOP, TWOP
	US	Lower 48 States D&C Leadership Workshop
	Indonesia	AAR/Peer-Review (Deepwater). Provision of wellsite coaches.
HESS	Equatorial Guinea	CWOP (Workovers) and DWOP/CWOP (Development)
	Libya	DWOP. TWOP / Welltest Risk Assessment
	Indonesia	DWOP
	Brazil	
	Ghana	DWOP. Team Alignment / Enabling Environment Seminars.
TULLOCH	Mauritania	4 x DWOPs, SWOP (Supply-well-on-paper); Deepwater x HPHT
	Côte d'Ivoire	Safety-DWOP
MURPHY	Malaysia	Provision of wellsite Performance coaches. DWOPs, AARs.
NIKO	Indonesia	Deepwater Drilling Campaign Project Risk Assessment Safety-DWOPs. HAZOP on Deepwater MPD/PMCD.
PERTAMINA PHE WMO		DWOPs & Safety-DWOP (2 rigs)
MAERSK OIL	Angola	Deepwater Drilling & Well-testing AAR. Deepwater HLRA. DWOP.
Petrofac	Romania	Performance Healthcheck / Gap Analysis
borders southern agr	UK for Falklands	Campaign DWOP for Rig Start-up (Deepwater)
TALISMAN ENERGY	PNG	DWOP for Rig Start-up x 2 (Exploration Wells)
Lundin	Malaysia	HSE Leadership Training
Transocean	Egypt	"Performance Toolpushers" (Deepwater).
ADDAX PETROLEUM	Nigeria	Rig Start-up Services (Teambuild, TWOP & DWOP) x 2 rigs



# Job Experience outside-Europe

Client	Country	Activity
	New Zealand	Technical Limit support incl. provision of Performance Plan & coaching of client's wellsite coaches. Crew Inductions. DWOPs.
		
	Australia	Set up DTL/safety systems (Geo-thermal company)
		
	Tunisia	DWOP (Exploration Wells)
	Oman	DWOP / Performance Seminar
	Eastern Med	DWOP, CWOP, Supply-Well-on-Paper (Deepwater)
		DWOP, Provide Coach
	India	DWOP (Deepwater)
	China	Crew Induction / Safety & Operational Excellence / DWOP
	Angola	DWOP

# Job Experience - Europe

Most recent clients shown first, with their most recent activity shown first

Client	Country	Activity
	France	VGR-115H Proof-of-Concept DWOP: Directional liner drilling
	Norway	Lynhaug & Godalen (Exploration) DWOP
	UK	Ekland Exploration well DWOP
	Jaws-Orlov	Value Creation Workshop
	Cormorant North & Alpha	After Action Review (TTRD), DTL Wellsite coaches, DWOP
	Shearwater	After Action Review (HTHP)
	Goldeneye	Project Success Workshop
	Gannet	Pipeline Dewaxing Challenge Session
	-	SAP Implementation Kick-off
	UK	Darroch: Rig-Start-up/DWOP held in Netherlands Sean: Two-well DWOP held in Netherlands
	Netherlands	N07-4 DWOP (Exploration Well). Theme: "Delivering as Promised" P18-08 DWOP/Team-building/Human Factors Awareness then AAR Q07-07 DWOP & CWOP with "Human Factors" Awareness 5 x Workshops (L11b, L16-16, P-11, M07-08, L6D) incl. Safety-DWOP, i-DWOP, CWOP. Provide 'Helping Hands' Competency Assistance.
 and 	UK	Laggan: DWOP and CWOP Ballindalloch: DWOP/CWOP and re-WOP Elgin/Franklin u-HPHT: Conduct Team-building/On-boarding x 2, DWOPs/RWOPs x 4, Provide wellsite coaches on NSH Provide 'Rig Intake Advisor' for new-builds Support to S714 Relief Well Drilling Team (planning & facilitation, relief NDSV) North Alwyn: Slot Recovery on Paper, Drilling DWOP, CWOP Ocean Valiant: Wellsite Performance Coaches Leadon: AWOP (Abandon Well on Paper) Lochranza: DWOP-CWOP Glendronach: West of Shetlands DWOP Dunbar: Team-building/Alignment (TAD: Two Drilling Contractors) Tomintoul: DWOP x start-up of West Phoenix Tormore Risk Assessments : Deepwater Operability, Welltest Tormore: Develop Deepwater-specific Rig-Specific Procedures
	T-Rex(Norway) Dunbarton Culzean Ockley (Expl)	"Next Steps" programme incl. Teambuild/align. DWOP. HTHP support : Risk assessment, performance system, DWOP, TWOP.
	Netherlands	Netherlands: Velocity String on Paper (Rig-assisted Snubbing)
	France	Pau: Drilling Riserless to TD Feasibility HAZID
	Bulgaria	DWOPs: Polshkov-1 (2015); Rubin-1 (2017), Melnik-1 (2018)
	Cyprus	Onesiphoros West-1 DWOP. Deepwater x MPD Wildcat



# Job Experience (Europe)... cont'd.

Client	Field	Activity
 formerly 	Ireland	Iolar DWOP/DWOS support: UDW Exploration well with MPD
	Buzzard	Generic Design Challenge, Drilling Planning Kickoff, Crew Intros, DWOP
	Perth	Generic Design Challenge Session
	Telford	DWOP (Sidetrack)
	Blackhorse	DWOP (Exploration)
	-	Best Practices Workshop (Cementing)
	Romania (all HPHT)	Barbatesti 4700 DWOP
		Totea TWOP & HAZIP
		Baicoi 6600 HPHT x MPD DWOP, then TWOP, then AAR
		Piscuri 4000 TWOP, then WWOP/HAZID
	Netherlands	DWOP
	UK	Winchelsea DWOP-TWOP held in the Netherlands
	Ireland	Druid/Drombeg AAR (4-part process)
	Hungary	Performance Training: Technical Limit and Well Delivery
	Arundel	Arundel: Target-Setting Workshop (PBLJ rig)
	Magnus	Introduce & maintain TL programme, 14 x DWOP-CWOPs
		Introduction to new equipt (multi-laterals). 90-d safety plans
		Provision of office support personnel
		Brownfield Construction : Team Vision & Alignment
		Subsea Construction Project : Technical Limit Workshop
	NW Hutton	Introduce TL into Large scale Abandonment Ops, Workshops
	West of Shetland	TL Workshops & DWOPs (Foinaven, Schiehallion, Loyal)
	Rhum	Wellhead & Subsea system training course
	Rhum	Introduce homegrown TL programme. DWOP (Drilling)
	Netherlands	P15/18 Project Success Workshops
	Wytch Farm	Hydraulic Workover HSE Induction, Teambuild & CWOP
	Clair	Introduce homegrown TL programme. DWOPs & CWOPs
	Harding	Morrone Well AAR (Wash-up)
	Falcon North	CWOP, Provision of Wellsite Advisors
	Gadwall	IWOP (Intervention on Paper)
	Knightsbridge	Team-building & Ways-of-working
	Don	Team-building & goal-setting for Stena Spey rig start-up
		Team-build, DWOP, Run tree on paper, CWOP, Start up Field on Paper, Full Field Project Wash-up. "Going for Gold" / Phase 2.
	Broom	"Going for Gold" & DWOP
	Thistle	DWOP
	Aberdeen Team	D&C Performance Meeting - Facilitation
	Seagull (HPHT) Well	Performance Review Workshop
	Denmark	South Arne: 1x Safety-DWOP; 1 x UBD DWOP; 1 x UBD CWOP
	Europe/Asia Region	Regional Drilling Conference / Team-building (F1 theme)
	UKCS	Risk Assessment on trawl damage to dormant sub-sea structure
	Romeo	HPHT x DWOP

# Job Experience ... cont'd.

Client	Field	Activity
	Forties & Bacchus	Wellsite performance support (focus on learning). "Performance won't hurt safety" seminars.
	Markswell Wood	DWOP, provision of Drilling Supervisors
	Chiswick	Welltest Risk Assessment and Team Awareness.
spd	Bentley	Risk assessment for novel drilling rig
	Chablis	DWOP
ConocoPhillips	MacCulloch	DWOP
	Farnell	DWOP
	Brechin	Risk Assessment & CWOP
	Montrose MRB	Modular Rig Performance Coaching & DWOP
	Arkwright	Intervention-on-Paper (Light Well Intervention Vessel)
	Exploration (N/C/SNS, Irish Sea)	DWOPs, Risk Assessment, TWOPs.
	Tristan Develop	DWOP, CWOP
	Lyell	DWOPs, CWOPs, Wellsite coaches
	UK	Drilling Performance & Strategy support (inc. Workshop)
	Norway	Alvheim Well-Specific Risk Assessment, DWOP/CWOP
	Buzzard	Generic Design Challenge, Drilling Planning Kickoff, Crew Intros, DWOP
	Perth	Generic Design Challenge Session
	Telford	DWOP (Sidetrack)
	Blackhorse	DWOP (Exploration)
	-	Best Practices Workshop (Cementing)
	Maria, Bedlington	TVD Workshop & Wash-up (Expl.; Deepwater Expl.)
	53/3a	TVD Workshop, Test-well-on-paper & Wash-up (Expl.)
	NW Seymour	TVD Workshop (Dev Well)
	Atlantic/Cromarty	Design Challenge Session, DWOP(s), Knowledge Transfer
	Apollo	DWOP
	-	Provision of office & wellsite support personnel
	Norway	Tulipan DWOP for Extreme, Deepwater WILDCAT
ADTI	Lindisfarne	DWOP (Deepwater Expl.)
Sperry-Sun	-	Unleashing our Potential Workshop
Petrocanada	Pict	DWOP & CWOP
Lundin	Heather/Thistle	Facilities Management Review & Re-alignment
Hess	-	Introduced company-wide TL programme

## **Extracts from our testimonials**

**Sample – more details available on request**





# Facilitation and Building teams

*.. what a difference in attitude we now have ..*

I'd like to thank RP Squared for the contribution you've made to enhancing our drilling performance here in Maersk Oil UK. It was something of a challenge to convince a team that knew they were performing well, that they could improve further and there was definitely some resistance in some quarters. But, largely down to the methods you have applied, what a difference in attitude we now have. I now regularly have people in our team questioning "why did that take so long?", "did we really need to do that?"

The proof of the benefit of course is in the results. The work we have done with yourselves will apply to all of our central North Sea development wells but we focused primarily on well D11 at our DWOP. I've attached the time versus depth curve from that well and as you can see we were very close to the "Best of the Best" curve throughout and beat it overall as the completion also progressed very smoothly. **We reached TD in less than half the planned time** (helped by the shorter well length than originally planned). The DWOP identified a number of operational steps that could be improved or preparations that could be made more efficient and many of these have been implemented. Beyond that, we have got people thinking about improvements much more than they were previously.

The rig safety record is excellent and this has continued to be the case.



**MAERSK OIL NORTH SEA UK LIMITED**

*Derek Charlton – Drilling Manager  
Maersk Oil, North Sea (UK)*

*.. their sessions are characterised by high energy ..*

The Clair Team have employed Dave Taylor and the RP<sup>2</sup> team since late summer 2004 in a variety of technical limit scenarios. These range from the initial wide-ranging teambuilding session for the brand new Clair rig and service teams in which we brought the teams together, communicated the expectations and standards of how we wanted to work on Clair, and used technical limit activities to illustrate these expectations, to detailed technical limit work with a subset of the teams on individual well sections.

RP<sup>2</sup> technical limit programmes typically have a rigid structure and contain a high level of detail and complexity ensuring technical limit improvements are addressed right down to the lowest level. Their sessions are characterised by high energy and are at their best when led by members of RP<sup>2</sup> highly experienced in managing the format and with close involvement and good advance preparation by the operator, taking advantage of the detailed work breakdown structure used by the programme.



*Chris Brown – Senior Drilling Engineer  
BP, North Sea (UK)*

# Facilitation and improving performance

*.. maintained high levels of participation & energy...*

*.. had a direct impact in the step-change of improved performance..*

*I was impressed with the management and facilitation of both sessions. John Sands and Huib Attema both facilitated in a manner that maintained the participation and energy in the room at high levels. Of particular value was the early engagement of the participants' in our programme challenges and optimisation opportunities, which then provided a constructive forum to progress solutions.*

*The results of these sessions have had a direct impact in the step change of improved performance that we are experiencing since completing the phase 2 activities.*



**Craig McGregor – Drilling & Ops Mgr  
Cairn Energy (Senegal & Int'l)**

*.. energetic & stimulating...*

Dave Taylor of RP<sup>2</sup> was contracted by Eni Oil do Brasil to provide Technical Limit Workshops for our Belmonte 3 project in 2009. The project required preparing an operations team who had never worked in Brasil for a deepwater, HTHP well test of an unconventional tight gas sand that would require fracturing to establish commerciality. Dave's company was selected using the normal bid process. The selection was based upon his knowledge of operations and structure of the proposal. I personally had never used his service before and have been a big proponent of one of his competitors. Nevertheless, I ventured out of my comfort zone and was impressed by his ability to perform the tasks we had envisioned in an energetic and stimulating manner.

**Eni Oil do Brasil**  
Eni P. Brasil - 138. Cadea  
Banco de dados - 52  
CL/5000-200  
Phone: +55 11 1002 8000  
Fax: +55 11 1002 2211



**Craig Castille – Drilling Manager  
Eni Oil do Brasil**

*.. added value...ensured all issues and actions are captured*

He has added value to all sessions through upfront planning and set up, ensuring he understands the subject matter and through providing the tools required to park and ensure all issues and actions are either closed or brought to a matrix for further action close out.



**Mike Lomax – Rig Manager  
Ensco8504**



# HAZOP, DWOP & AAR Facilitation

## *.. critical Project...facilitate the HAZOP*

Due to the criticality of the project, it was imperative to have a facilitator that could not only help us convey the key aspects of the drilling program during the DWOP but who could also help facilitate the HAZOP session for the PMCD equipment & process.

Dave delivered on both fronts and was well received by all parties involved. DWOP's are his specialty and ours went exceptionally well. Although he doesn't usually facilitate HAZOP's, he did a really good job keeping everybody involved while ensuring we covered all the material that was required.



*Gregoire Chabrol – Drilling Manager  
Total E&P Malaysia*

## *.. DWOP payback was many times over... ..impressed upper management and partners..*

A good DWOP requires thorough planning, facilitation and reporting. You did a fantastic job on all three and the pay back for MPI was many times over. Your professionalism impressed our upper management as well as our partners.

I hope we have the opportunity to work together again many times in the future.



*Steve Hall – Drilling Manager  
Mubadala Petroleum, Indonesia*

## *(AAR) .. to benefit from the past as bridge to the future*

What could have easily have 'gone the other way', turned out to be a (justifiable) recognition and celebration of success along with development of a robust action plan for future well delivery within Providence.

We have already implemented some of the recommendations that arose and are working our way through to start of our operations on the upcoming drilling of our Barryroe field.

I would be pleased to recommend this approach to anyone who wants to benefit from the past as a bridge to the future. Please do not hesitate to contact either myself, John O'Sullivan (our Technical Director) or Conor himself for more information.



*Management Team  
Providence Resources, Ireland*

# Coaching service

*.. kept us out of trouble .. vast improvements in timings..  
.. happy to have met you and rp²*

Thanks to the efforts of you and your team during the two DWOP and the involvement of your 'Wellsite Advisor' team offshore, we have seen vast improvements in timings during drilling of the current well, P11-11.

We initially hired your team to provide 'boots on deck' support to the Ensco 92 team, due to concerns about crew turn-over and competence that coincided with the start-up here in Dutch waters. During the first well, we quickly found that your team were able to 'keep us out of trouble' and gain the respect of the wellsite personnel including Ensco.

Not long after your team started, I sent you an email to say how happy I was that I had met you and your company, and I am glad to say that view is unchanged.



*Joan Horbeek – Drilling Manager  
Oranje-Nassau Energie*

*.. Provided us with a step-change in performance ..*

Once we were up and running with a couple of campaigns under our belts, the systems that we introduced with rp² were considered sufficiently robust for us to take them on ourselves. This provided us with another step change in performance which came about due to the teams driving it from within. The enabling environment that you are so passionate about and deliver in such a compelling manner is very much alive and well at BG.



*Peter Greaves – HPHT Team Leader  
BG*

# Coaching service – “a well for free”

*.. realised learnings valued at \$60 million..*

rp<sup>2</sup> provided rig site and office based performance coaches to help the Tangguh D&C team to implement a learning process and enabled the project to realise the expected rate of learning which has been estimated to be valued at \$60 million. This achievement can be attributed way the rp<sup>2</sup> coaches integrated into the bp team and helped it to apply pre-phase planning, after action reviews and capture and implementation of lessons. In addition, rp<sup>2</sup> organised and facilitated several team building workshops which enabled a greater team engagement with the performance goals of the project.

The key to rp<sup>2</sup> success, where some other performance management companies often fail, was due to the quality of the personnel that they provided. They were all experienced drilling personnel but with the interpersonal skills required to effectively engage the BP team, drilling contractor and service company personnel with their performance management processes. Many team members commented that this was the best experience that they had ever had using performance management services.



*Andy Hanneman – Wells Team Leader  
Tangguh D&C Project, Indonesia*

*.. Gas targets delivered 4 months ahead of schedule...*

The use of the **wellsite TL coach** from “Relentless Pursuit of Perfection” enabled us to review the Technical Limit way of working with all our crews. This was a key success factor in getting the programme up and running quickly. .... The result of our 10 well programme Was been **excellent** – first 3 wells showed **25% well-on-well improvement**, gas targets delivered **4 months ahead of schedule**, and the cost savings enabled the last well to be **drilled for “free”**.



*Martin Varco– Wells Team Leader  
Insalah Gas Project, Algeria*



# Coaching service - Decommissioning

*.. 17-28% improvements ..rp² exceeded all expectations..*

Significant performance improvements were noted in both phases of the abandonment project; 17% improvement during reservoir abandonment and 28% improvement seen during conductor recovery phase. In total over 500 suggestions were noted covering a wide range of health, safety, and technical application.

Personnel provided by Relentless Pursuit of Perfection Limited exceeded all expectations of the well abandonment leadership team. I would have no reservations in recommending them to provide TL instruction and support to any drilling or well service related activities.



*Garry Skelly – Wells Op Team Leader  
NW Hutton Decommissioning Team*