

WORKING TOGETHER TO PREVENT HYDROCARBON RELEASES

A STEP CHANGE IN SAFETY

HOW THE UK INDUSTRY IS DEALING WITH REDUCING HYDROCARBON RELEASES

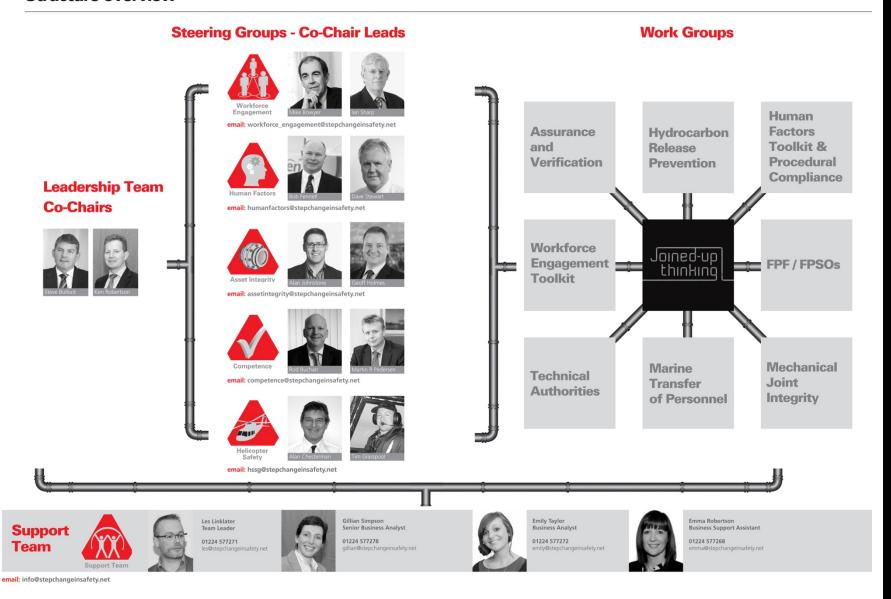
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Co-chair Step Change in Safety

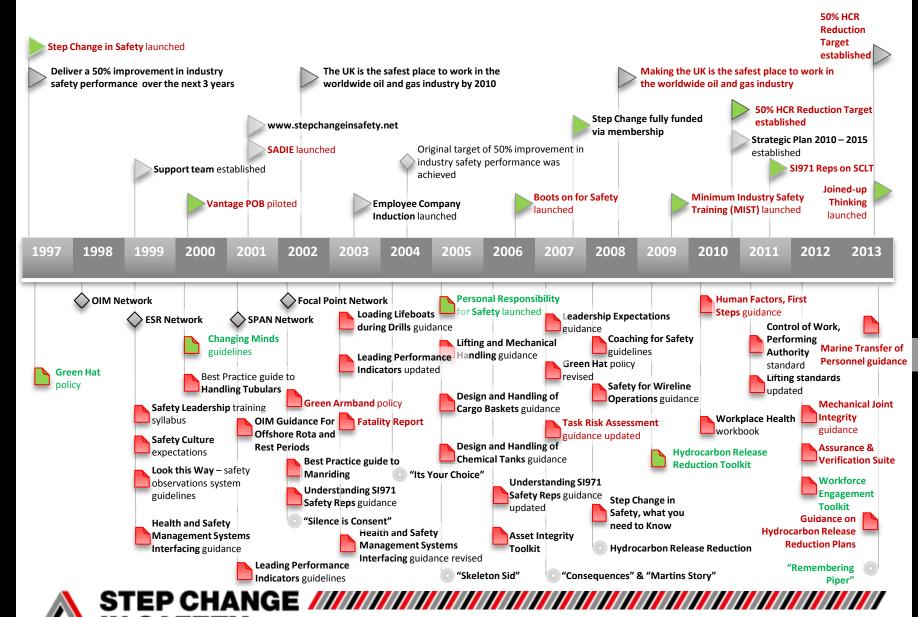


Step Change in Safety is a member led industry body with a 16 year track record of working together with all stakeholders including:

- Employing Companies
- Elected Safety Representatives of the workforce
- Operators
- Regulators Health and Safety Executive
- Unions
- Trade Associations

"Our sole objective is to continuously improve the safety performance of the UK Oil and Gas industry through collaborative working"





"New releases for old reasons..."

50% reduction target in HCR's by March 2013

300 269 265 270 250 209 200 188 173 166 150 131 100 50 1998/1999 1999/2000 200/2001 202/203 2003/2004 2007/2008 2001/2002 2004/2005 2005/2006 2006/2007 208/2009 2009/2010 2010/2011 Significant — Major — Target — Total Assurance and Mechanical verification Joint Integrity - Route to guidance Competence

Guidance on hydrocarbon release reduction plans

 To create long-term sustainability of continuous improvement in HRC reduction, with a target of 50% reduction from 2010-2013



Events held to showcase industry good practice

- Hydrocarbon release themed network events
- Attended by site leaders, safety professionals and advisors, company focal points and elected safety representatives
- Speakers include oil and gas operators, contractors and the regulator
- Events focused on reduction of hydrocarbon releases, the challenges and ways to share the things that are working well



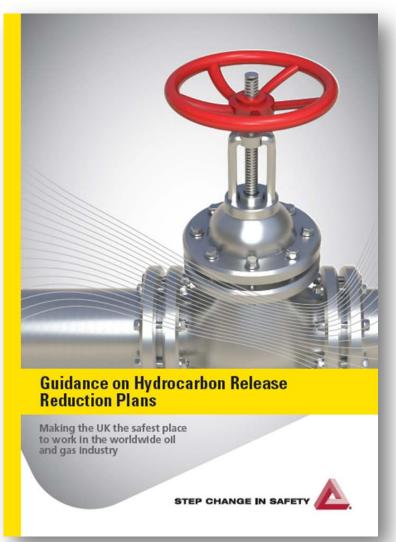
Focus on sharing learning and improving

- Safety Alert Database and Information Exchange (SADIE), facilitates the sharing of safety information and improves the lateral learning across the industry
- Available on the Step Change in Safety website

25% of reported HCRS currently in database

 Target to significantly improve input to this valuable tool





- Requirement set by the UK regulator for HCR reduction plans
- Guidance of what 'good' HCR reduction plans may include
- Produced using industry HCR reduction plans identified by the regulator as being exemplar 'good' plans
- Consolidated by workgroup & published for industry in 2012



2013 Strategy
Built with input from the line





2013 Generic Plan

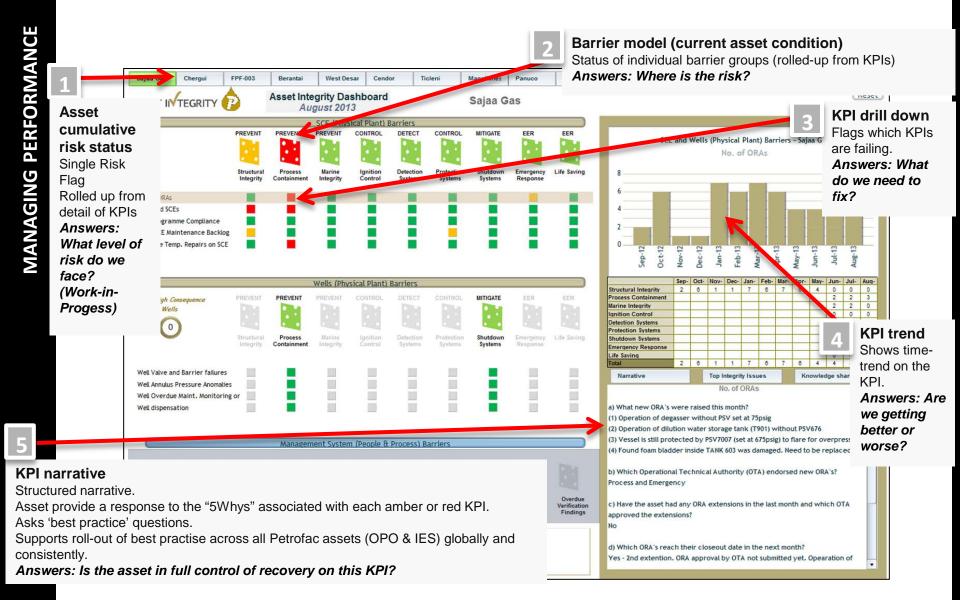
Activities that Sites build into their Site Plans

2013 HCRP Plan

Accountability for delivery with HRP Lead Key site activities identified & on Generic Plan





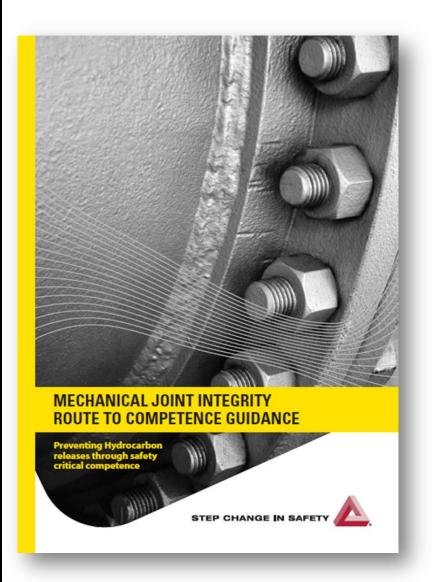




- Provides detail on the framework and the intent behind the offshore Regulatory requirements
- Delivers working understanding of the principles to support the compliance processes by raising understanding of the expectations of Assurance / Verification and the benefits brought to both safety and production

+8000 hard copy publications distributed 75% going directly to workforce





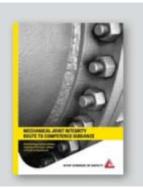
To reduce / prevent
hydrocarbon leaks by reducing
human error in the making and
breaking of mechanical joints
through improved training &
competence standards and
processes

Defining minimum standards of competency

Doubled+ the number of people taking the more robust training and competence route

100+ companies using the framework

Mechanical
Joint Integrity
- Route to
Competence



2012

2547 learners

677 technical competence tests 90% achievement

2013

3697 learners

1115 technical competence tests 88% achievement



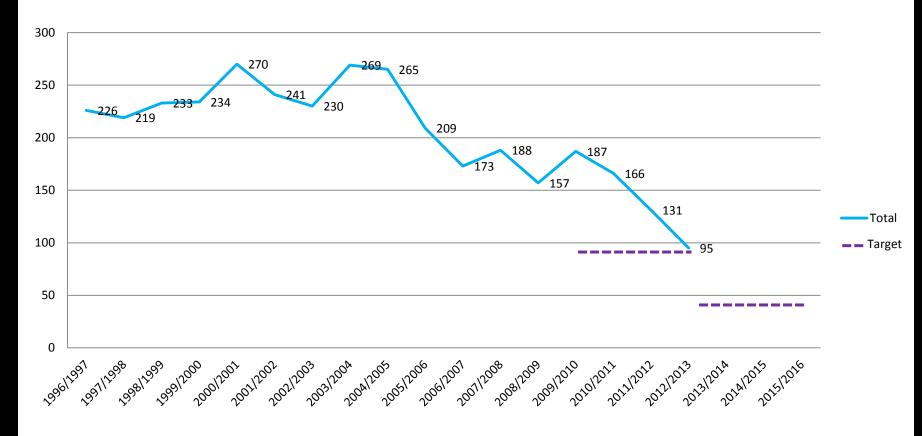
- Launched in 2013 ✓
- Major Accident Hazards ✓
- Small Bore Tubing ✓

- Reporting & Learning Lessons
- Pipework
- October Control of Work
- December Joints

+1000 registered users to date = very positive feedback

Targets

- A further 50% reduction in HCRs over three years (48 HCRs by 2015/16)
- All HCRs reported to SADIE



- Clear "stretch" targets set by AiSG, supported by Step Change leadership team
- Alignment to regulator strategy, inspection and investigation programme
- Industry good practice guidance reinforced, new (and old) guidance delivered
- Focused events drawing together all levels of workforce to share good practice, incident lessons
- Workforce Elected Safety Reps sitting on leadership team, steering groups and workgroup provide direct two way feedback
- Topic at site safety meetings, SI971 constituency meetings etc
- Strong independent leadership

- > SIMPLICITY
- > ENGAGEMENT
- > IMPLEMENTATION
- > LEADERSHIP





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