

Dwight Johnston
VP Heath, Safety and Environment (HSE) - Deepwater



Cautionary Note ...

The companies in which Royal Dutch Shell plc directly and indirectly owns investments are separate entities. In this presentation "Shell", "Shell group" and "Royal Dutch Shell" are sometimes used for convenience where references are made to Royal Dutch Shell plc and its subsidiaries in general. Likewise, the words "we", "us" and "our" are also used to refer to subsidiaries in general or to those who work for them. These expressions are also used where no useful purpose is served by identifying the particular company or companies. "Subsidiaries", "Shell subsidiaries" and "Shell companies" as used in this presentation refer to companies in which Royal Dutch Shell either directly or indirectly has control, by having either a majority of the voting rights or the right to exercise a controlling influence. The companies in which Shell has significant influence but not control are referred to as "associated companies" or "associates" and companies in which Shell has joint control are referred to as "jointly controlled entities". In this presentation, associates and jointly controlled entities are also referred to as "equity-accounted investments". The term "Shell interest" is used for convenience to indicate the direct and/or indirect (for example, through our 24% shareholding in Woodside Petroleum Ltd.) ownership interest held by Shell in a venture, partnership or company, after exclusion of all third-party interest.

This presentation contains forward-looking statements concerning the financial condition, results of operations and businesses of Royal Dutch Shell. All statements other than statements of historical fact are, or may be deemed to be, forward-looking statements. Forward-looking statements are statements of future expectations that are based on management's current expectations and assumptions and involve known and unknown risks and uncertainties that could cause actual results, performance or events to differ materially from those expressed or implied in these statements. Forward-looking statements include, among other things, statements concerning the potential exposure of Royal Dutch Shell to market risks and statements expressing management's expectations, beliefs, estimates, forecasts, projections and assumptions. These forward-looking statements are identified by their use of terms and phrases such as "anticipate", "believe", "could", "estimate", "expect", "intend", "may", "plan", "objectives", "outlook", "probably", "project", "will", "seek", "target", "risks", "goals", "should" and similar terms and phrases. There are a number of factors that could affect the future operations of Royal Dutch Shell and could cause those results to differ materially from those expressed in the forward-looking statements included in this presentation, including (without limitation): (a) price fluctuations in crude oil and natural gas; (b) changes in demand for the Shell's products; (c) currency fluctuations; (d) drilling and production results; (e) reserve estimates; (f) loss of market share and industry competition; (g) environmental and physical risks; (h) risks associated with the identification of suitable potential acquisition properties and targets, and successful negotiation and completion of such transactions; (I) the risk of doing business in developing countries and countries subject to international sanctions; (j) legislative, fiscal and regulatory developments including potential litigation and regulatory measures as a result of climate changes; (k) economic and financial market conditions in various countries and regions; (I) political risks, including the risks of expropriation and renegotiation of the terms of contracts with governmental entities, delays or advancements in the approval of projects and delays in the reimbursement for shared costs; and (m) changes in trading conditions. All forward-looking statements contained in this presentation are expressly qualified in their entirety by the cautionary statements contained or referred to in this section. Readers should not place undue reliance on forward-looking statements. Additional factors that may affect future results are contained in Royal Dutch Shell's 20-F for the year ended 31 December, 2011 (available at www.shell.com/investor and www.sec.gov). These factors also should be considered by the reader. Each forward-looking statement speaks only as of the date of this presentation. Neither Royal Dutch Shell nor any of its subsidiaries undertake any obligation to publicly update or revise any forward-looking statement as a result of new information, future events or other information. In light of these risks, results could differ materially from those stated, implied or inferred from the forward-looking statements contained in this presentation. There can be no assurance that dividend payments will match or exceed those set out in this presentation in the future, or that they will be made at all.

The United States Securities and Exchange Commission (SEC) permits oil and gas companies, in their filings with the SEC, to disclose only proved reserves that a company has demonstrated by actual production or conclusive formation tests to be economically and legally producible under existing economic and operating conditions. We use certain terms in this presentation, such as resources and oil in place, that SEC's guidelines strictly prohibit us from including in filings with the SEC. U.S. Investors are urged to consider closely the disclosure in our Form 20-F, File No 1-32575, available on the SEC website www.sec.gov. You can also obtain these forms from the SEC by calling 1-800-SEC-0330.

Where Shell Operates around the globe ...

- One of the worlds largest oil and gas producers*
- Largest equity LNG supplier*



^{*} Among International Oil Companies

Shell's Safety Culture starts with our HSSE Control Framework ...

<u>Aim</u>

 The Shell Group's HSSE&SP Control Framework provides a single source for the Group's expectations covering health, safety, security, the environment and social performance

Approach

- The Shell Group's HSSE & SP Control Framework
 - ✓ Applies to our Upstream, Downstream and Projects
 Businesses
 - ✓ Includes Mandatory requirements
 - ✓ Also includes guidance/reference information
 - ✓ Each Shell Business is expected to implement the HSSE&SP Control Framework





Our Control Framework has 35 Manuals on Personal and Process Safety...



HSSE Management System Manual

- Competence manual section and specificati
- Emergency Response
- Incident Investigation and Learning
- Impact Assessment
- Joint Venture HSSE Requirements
- Leadership and Commitment
- Management of Change
- Management Review
- Managing Risk
- Organisation, Responsibilities and Resources
- Performance Monitoring and Reporting manual section and specification
- Permit to Work
- Planning and Procedures
- Policy and Objectives
- Risk Assessment Matrix



Personal Safety Manual

- Confined Space Work
- Electrical Safety
- Hotwork
- Ionising Radiation
- Working at Height



Health Manual

- Asbestos
- Exposure to Acute Toxic Substances
- Fitness to Work
- Food and Drinking Water Safety
- Health Risk Assessment
- Hearing Conservation
- Legionella
- Malaria



Transport Manual

 Driver Safety and Professional Driver Safety



Environment Manual

- Ozone Depleting Substances
- Waste



Contractor HSSE Manual



Security Manual



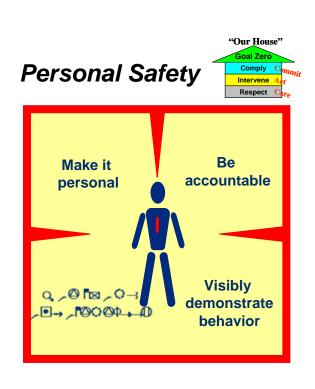
Process Safety

 AIPSM Application Manual, AIPSM Standards Transition Manual, DEM1, DEM2. Overrides

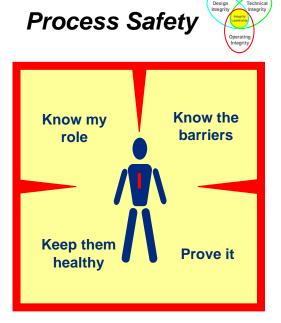
Our Safety Culture is based on our three Golden Rules ...



We grow our Safety Culture with a Goal Zero mindset ...







Our Life-Saving Rules show our commitment to people ...

Work with a valid work permit when required

Conduct gas tests when required

Verify isolation before work begins and use the specified life protecting equipment

Obtain authorization before entering a confined space

Obtain authorization before overriding or disabling safety critical equipment

Protect yourself against a fall when working at height















6

12















7













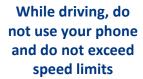
Do not walk under a

suspended load



smoking areas







Wear your seat belt



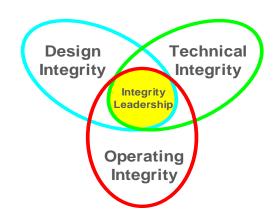
Follow prescribed Journey Management Plan



As do our Process Safety Basic Requirements (PSBRs) ...

- 1. SAFE SITING OF PORTABLE BLDGS
- 2. ESD VALVES ON PLATFORM RISERS
- 3. TEMPORARY REFUGES
- 4. PERMIT TO WORK
- 5. MANAGEMENT OF CHANGE





- 6. AVOID LIQUID RELEASE TO ATMOSPHERE
- 7. AVOID TANK OVERFILL FOLLOWED BY VAPOR CLOUD RELEASE
- 8. AVOID BRITTLE FRACTURE OF METALLIC MTLS
- 9. ALARM MANAGEMENT
- **10. SOUR GAS (H2S)**
- 11. DEEPWATER WELL DESIGN AND CONSTRUCTION

And where we focus our Safety Leadership attention ...

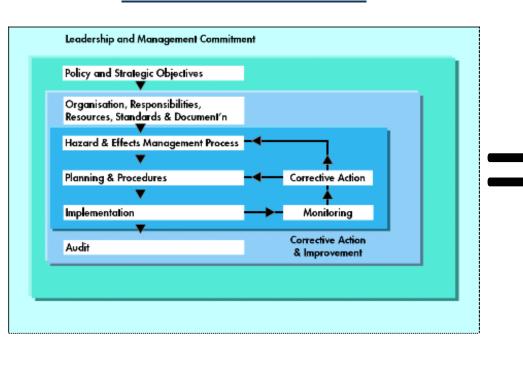




And we have verified our HSE MS equals all the regts of SEMS ...

Safety & Environmental Management System (SEMS) - 13 Elements

Shell's HSE MS - 8 Elements







We consider a good training program essential to a strong Safety Culture...

<u>Shell Robert & Kenia Training</u> <u>Centers</u>

- HUET Training
- Super Safety, Life Saving Rules
- Fire Fighting, Crane Operations
- Defensive Driving
- Waste Management and Dept of Transportation Hazard Materials
- Open Water Rescue
- Major Emergency Management
- Behavioral Based Safety
 Management (BBSM)













In summary, what are attributes of a great Safety Culture...

- Safety is part of everything we do
- Consistent leadership behaviours
- Great teams
- Open and honest communication
- Common goals
- We are professional and learning is valued
- Standardized practices
- Consistent rules which apply to all parties
- Standardized metrics
- Rigorous assurance processes in place



"It is a pleasure to come to work and we are proud to work here."

"It's a safe and secure workplace."

"Our leadership walk the talk!"

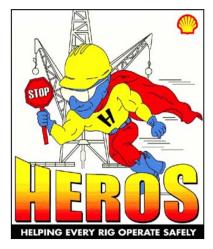
Back Up Slides

Where Shell Operates in the GoM ...



Shell HEROS Program

- HEROS formalizes EPW Wells "Stop Work" expectations by clearly establishing and communicating:
 - Stop Work Intervention Policy
 - Roles and Responsibilities
 - Intervention Protocols
 - Reporting
 - Follow-up
 - Recognition
 - Training



Helping

Every

Rig

Operate

Safely



A key ingredient of our Safety Culture is a robust Assurance Process ...

- Should have multiple levels of assurance;
 - Corporate level audits against company stds/policies, reports to
 Corporate Business Assurance Committee (BAC)
 - Business level audits against local stds/policies, including regulatory reqts
 - Local level self-assessment against local stds/work procedures

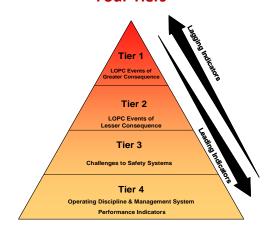




As are measurable Safety Metrics ...

- Management should review asset integrity and process safety performance metrics on a regular basis
 - Sr/Executive Management Quarterly
 - Operations/Line Management Weekly/Monthly
 - Field Supervision Daily/Weekly
- Performance metrics should contain a good mix of leading and lagging indicators
 - Leading: alarm rates, PM/CM schedule compliance, overdue MoCs, Near Misses
 - Lagging: HC spills, OSHA Recordables, fires

Industry PS Performance Metrics - API RP 754 Four Tiers





Safety measures in place for offshore drilling ...

INCIDENT PREVENTION + RESPONSE



Keep within Control Limits

Reduce Likelihood

- Tech. Standards & Procedures
- Equipment testing, certification
- BOP, etc.
- Competent staff
- Rig Safety Case
- Robust multiple barriers



Mitigate Consequences

Plan for Recovery

Re-Instate

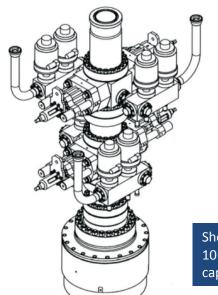
- Well Control Incident Plan
- Oil Spill Response Plan
- Oil Spill Containment System (JIP)
- Technical Expertise



Safety measures in place for offshore drilling ...

SHELL'S CAPPING CAPABILITIES

- Multi-layered well control minimizes risk
- All existing Shell deepwater wells can be capped
- Shell-owned capping stack, covers Shell's global portfolio of deepwater wells
- Alaska-specific cap & containment system



Shell 13-5/8" 10Kpsi dual ram capping stack.

INDUSTY COLLABORATION & RESPONSE

- Subsea Well Response Project Operator; enhances industry's ability to respond to major subsea well control incidents globally.
- Marine Well Containment Company founding and permanent Board Member; enhancing cap & containment capability for the Gulf of Mexico.







Safety measures in place for offshore drilling ...



Single Ram Capping Stack

Single Ram Capping Stack

Able to cap a well up to 10,000 ft water depth,dual barrier – ram and cap

Hydraulic Accumulator

Accompanied by a subsea hydraulic accumulator skid that is used to actuate all hydraulic requirements



Hydraulic Accumulator Skid



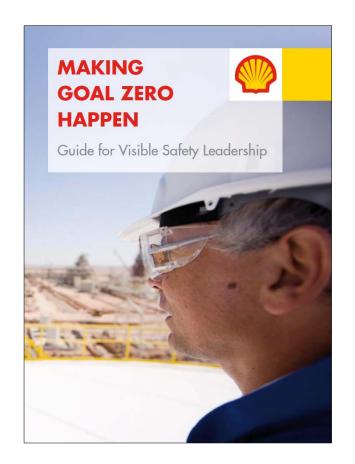
Leadership Demonstration of Chronic Unease out in the field ...

Engage with those doing the work — ask "what could go wrong, how did you assess the risk and what controls are in place to prevent it?"

Welcome bad news – "what do you not want to tell me?" - and react appropriately

Watch traffic light reporting – challenge the greens and support the reds

Be on the lookout for weak signals that people are concerned with the current situation, tune into the rhetorical question, the quizzical look on people's faces, the vague statement(s) or unsure answers.



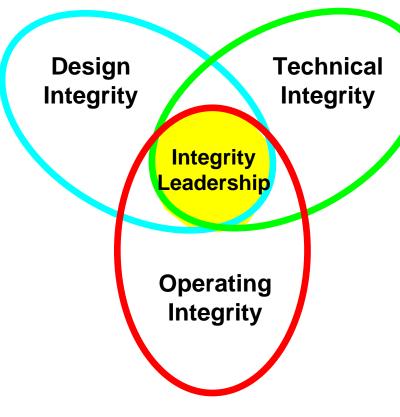


We support a goal-based safety management program approach ...

- Empowers safety leaders and promotes a strong safety culture
- Encourages innovation and technological advances
- 2007-2010 International Regulators Forum (IRF) data suggests that Safety Management Regimes perform better and are more efficient
- Aligns with recommendations of Macondo investigations and international experts
- Consistent with the direction of leading IRF member programs (i.e. Norway, UK, the Netherlands, Australia)

Our Process Safety aspiration - "Our Assets and People are safe and we know it".

We design and build so that AI-PS risks are As Low As Reasonably Practicable (ALARP)



We maintain the hardware barriers

We work within the operational barriers

