

# Investor Day - facilitated by Morgans

Houston - Texas - USA 2<sup>nd</sup> November 2015 **Greg Kilmister - ALS overview** 

Mark Beach - Reservoir Characterisation (Oil & Gas)

Fraser Louden - Production Solutions (Oil & Gas)

John Mackie - Drilling Services (Oil & Gas)

**Bruce McDonald - Geochemical Business Stream** 

Raj Naran - Life Sciences Division



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### **Company Profile**



ALS Limited (ASX:ALQ) is an ASX 100 company that provides professional technical services to the global Mineral and Energy Resources (exploration, extraction, processing and trading), Life Sciences (environmental, food and pharmaceutical), and Industrial sectors throughout the world.

- +11,000 employees
- +400 sites
- +70 countries
- AUD\$1.4 billion revenue
- Enterprise Value AUD\$3.1b
- 407 million shares (96% free float)



## **Compliance and Sustainability**



- Core values of "Safety as a Priority" and "Honesty and Integrity" supported by long term compliance program.
- Strong internal controls maintained by compliance portal which incorporates company policies, management sign-offs, environmental monitoring programs, training packages, incident databases, and performance tracking.
- Corporate Social Responsibility program tracks environmental performance, ensures efficient use of resources such as energy, encourages environmental initiatives including recycling programs, and promotes positive interaction with local communities.
- ALS continued its involvement in community and charity work with major recipients including the Red Cross, Unicef, the Salvation Army, and various hospital and cancer foundations.













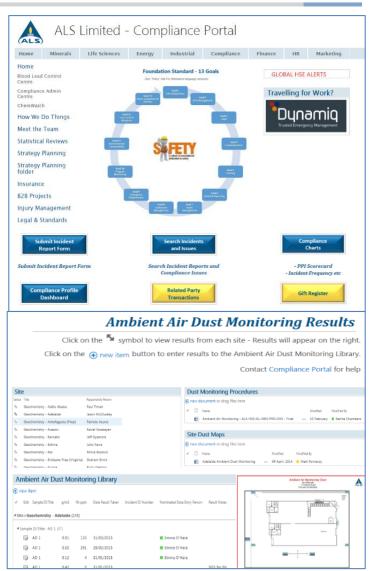












### **Health Safety and Environment**



### Performance at a glance:

LTIFR better than ASX Top 100 average\*.

TRIFR 50% reduction over 4 years.

**Decreasing** severity rate. All divisions meeting target PPI score.



**Group TRIFR** 





Profile: ALS Limited

Group LTIFR



**PPI Scorecard** 







**Client Recognition** 

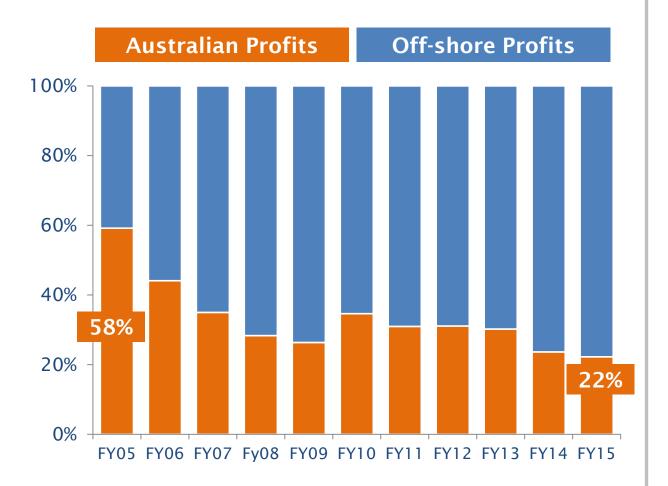
Investment in Training

Safety First Focus

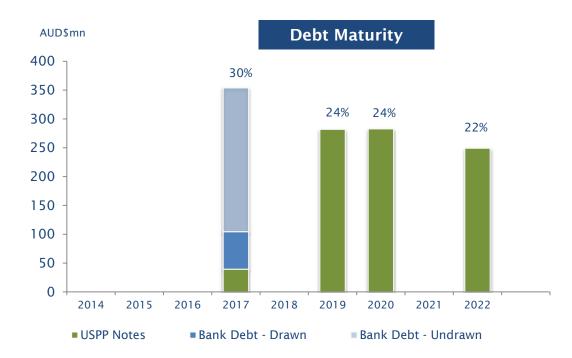
### **Dividend and Debt Position**



### **Australian versus Off-shore Profits**

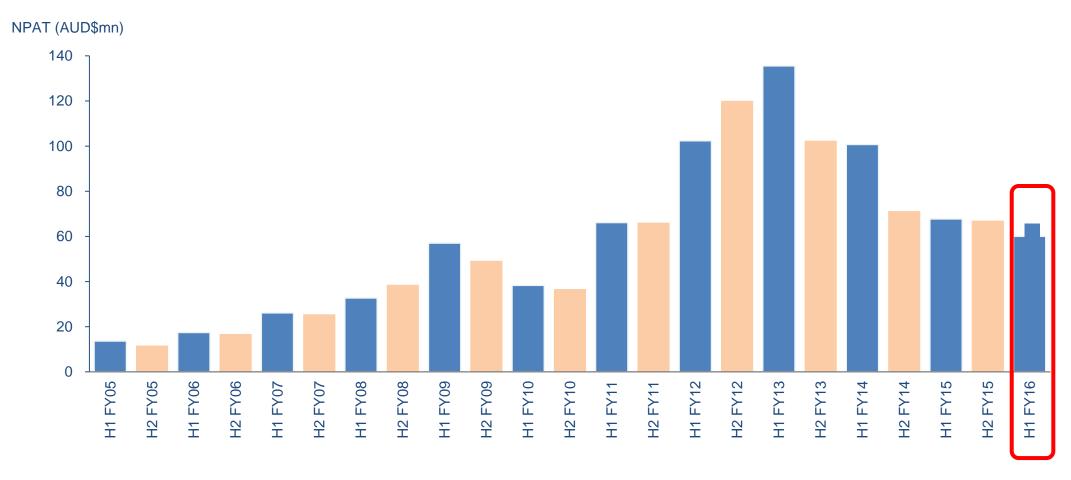


		Mar-14	Sept-14	Mar-15	
Funding statistics					
Gearing ratio	Comfort 45%	33.9%	35.5%	38.3%	
Leverage (net debt / EBITDA)	Max 3.25	2.2	2.7	2.5	
EBITDA interest cover	Min 3.75	12.2	8.8	9.1	



## First Half FY16 guidance





ALS expects that underlying NPAT for the half year ending 30 September 2015 will be in the range of AUD \$60 million to AUD \$65 million

# **H1FY16 – Revenue by Region by Division**





### **Strategic Goal**



in a nut shell.....

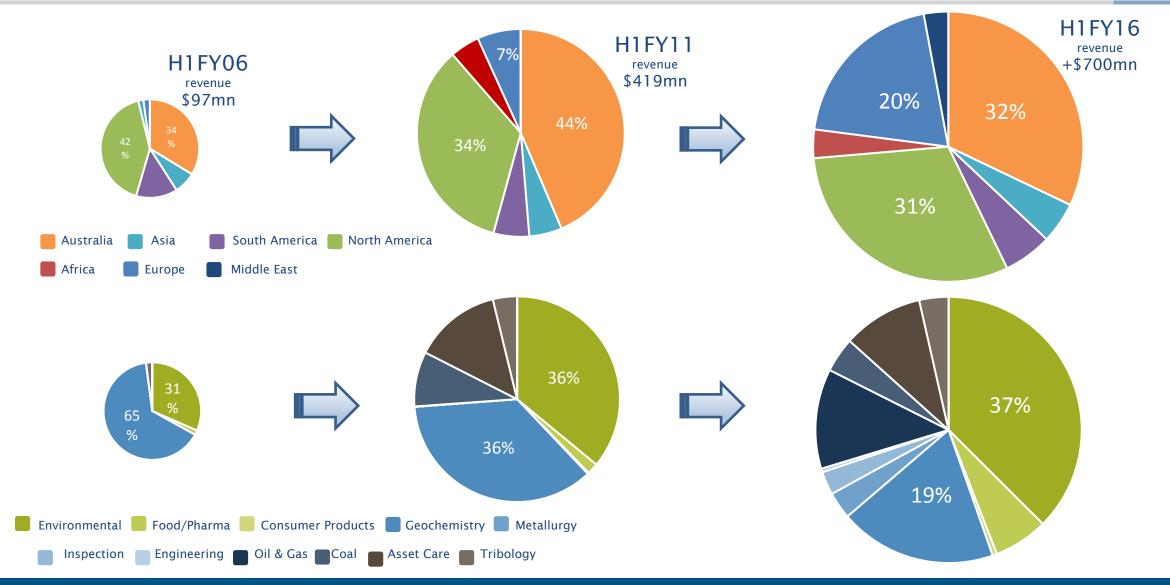
To be the market leader in any geography or market sector we operate - by creating an enduring competitive advantage.

what does that look like.....

- Technical leadership
- Innovative services
- Continually evolving services
- Holistic full service
- Flexible service delivery approach
- Data management
- Providing the "Right Solutions" as opposed to just a "Bundle of Services"
- Being the "Right Partner" as opposed to the "Right Service Provider"

# **Group Strategy – geographies & markets**

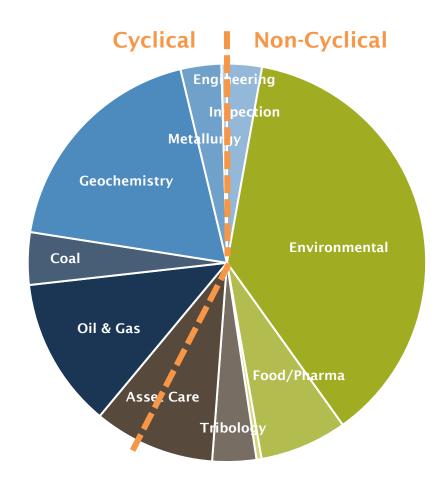


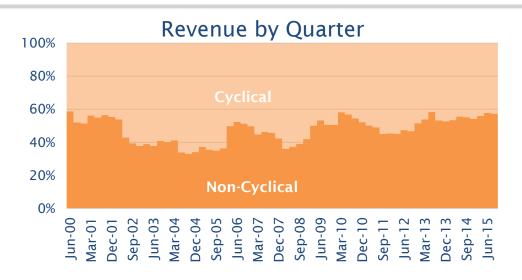


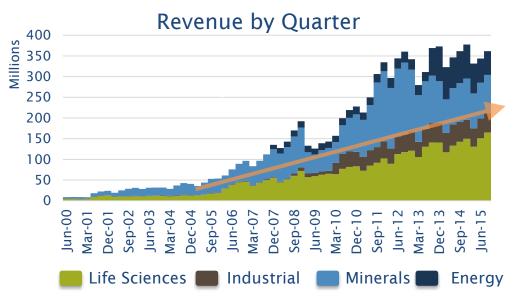
## **ALS Laboratory Revenue – strategic mix**



### H1FY16







### **ALS Strategic Assets**





- 408 sites
- 73 countries
- 6 continents
- global IT network

- quality
- timeliness
- service
- innovation
- technology
- value

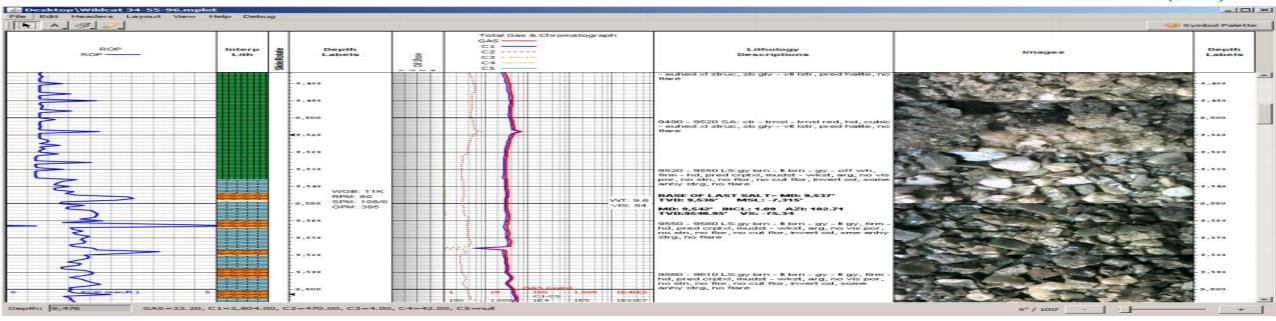
- LIMS
- MIS
- standardisation
- systemisation
- multi-language
- global

- state-of-the-art
- innovators
- standardisation
- unique
- centres of excellence

- people
- training
- focus
- client service
- communication
- passion

### RESERVOIR CHARACTERISATION





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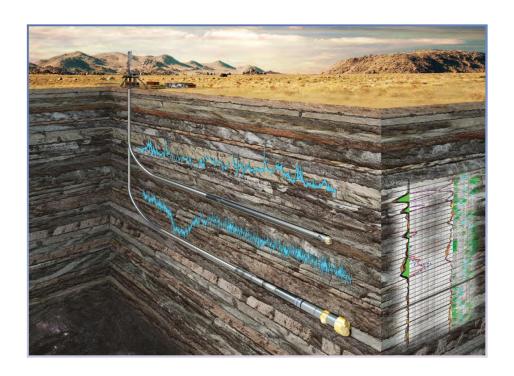
Mark Beach - Reservoir Characterisation (Oil & Gas)

- Houston Texas USA
- 2<sup>nd</sup> November 2015

# Reservoir Characterization - "The laboratory services part of Oil & Gas"



- What is Reservoir Characterization?
  - > Understanding the reservoir rock and fluid properties to optimize lifetime reservoir performance through exploration, development, and production.
- ALS Oil & Gas Reservoir
   Characterization services include:
  - Surface Logging
    - Services
    - Rentals
  - > Reservoir Laboratories



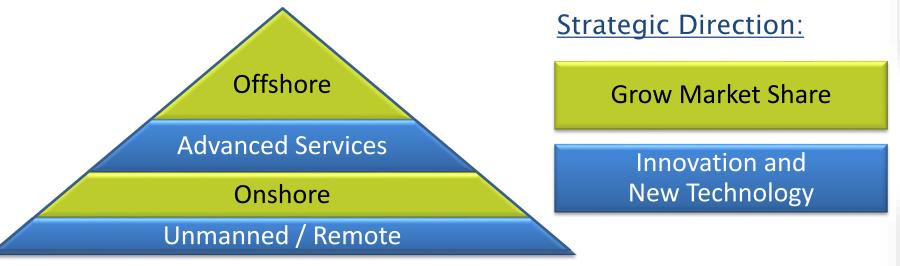




### **Surface Logging Services**

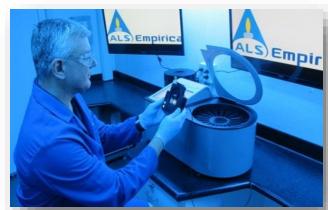


- Four legacy companies combined to create one of the largest and most experienced surface logging entities in the highly fractured US market.
- The broadest range of capabilities and services in the industry



 Unique ability to transition customers between tiers of service during commodity cycles and reservoir lifecycle (exploration, development, etc.)

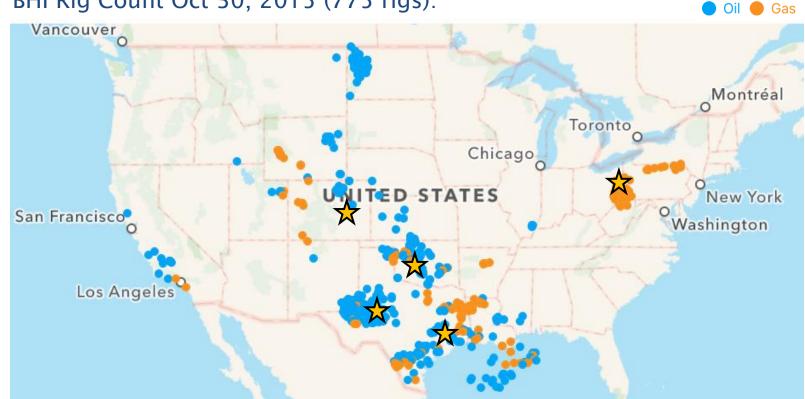




### **Surface Logging Services**



BHI Rig Count Oct 30, 2015 (775 rigs):



ALS Surface Logging is positioned to efficiently service the industry drilling activity and localized needs with offices located in:

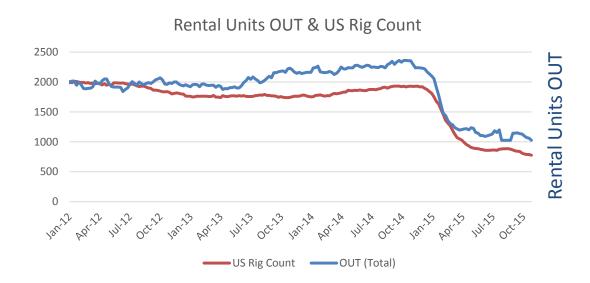
- **Gulf Coast & GOM**
- Permian
- Mid Continent
- Rockies
- Northeast

Well positioned assets with local reservoir knowledge and operating requirements to deliver consistent services to our clients.

## **Surface Logging Rentals**

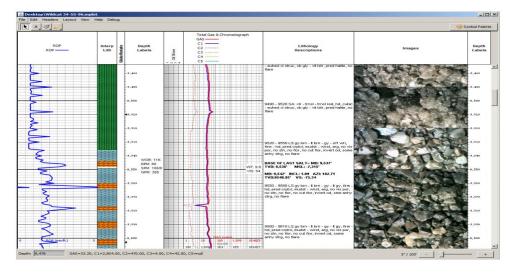


A leading supplier of gas detection equipment to the North American market with two primary competitors.



Strategically allows ALS to captures a larger share of the surface logging market by delivering services to operators and equipment to the industry

Key differentiating strength in software and systems (MPLOT).





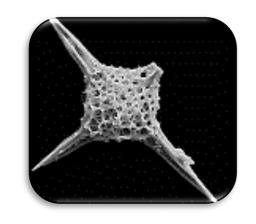


### **Reservoir Laboratories Overview**



- The upstream oil & gas laboratory market is split into two tiers:
  - > three global oilfield specialists
  - many technical niche and geographically limited labs
- The industry is not totally satisfied with these options due to TAT, pricing, & transparency
- Room exists for a new participant to leverage differentiating technologies and systems to meet the industry needs







### **Reservoir Laboratories**



#### Houston, USA

- 27 years providing advanced cuttings analysis services.
- Global leader in paleontology services.

### Houston, USA

- New global hub laboratory with Phase
   1 capabilities available
   November 2015.
- State of the art core analysis facilities & equipment.
- Incubator for exporting capabilities to other lab locations.

### London, UK

- 20 years providing wellsite handling services.
- Global leader in advanced wellsite services in North Sea & Africa.
- One of the largest core repositories in the region.

### Brisbane, AU

- 21 years industry experience.
- Global leader in CBM services.
- Superior quality systems and customer relationships.



### **Reservoir Laboratories Strategy**



Leverage unique opportunities to take possession of samples

### Core





Fresh core from <u>ALS O&G Coring</u> or direct engagement with clients and legacy core currently in storage.

# Provide a distinctive value proposition through key technical differentiators





Demonstrate operational excellence and service quality





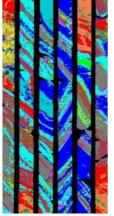




Fresh cuttings from ALS O&G Surface Logging or direct engagement with clients.



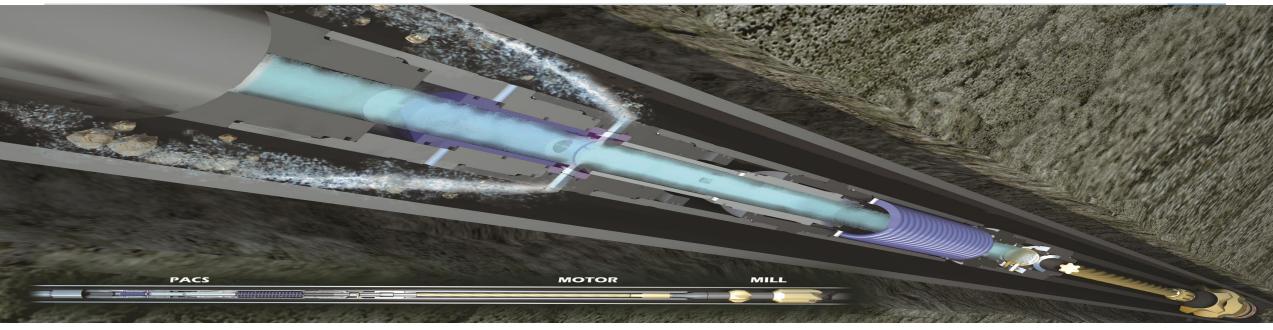




- LIMS
- Automation
- Standardization

### **PRODUCTION SOLUTIONS**





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Fraser Louden - Production Solutions (Oil & Gas)

- Houston Texas USA
- 2<sup>nd</sup> November 2015

### **Introduction - ALS Production Solutions - What we do**

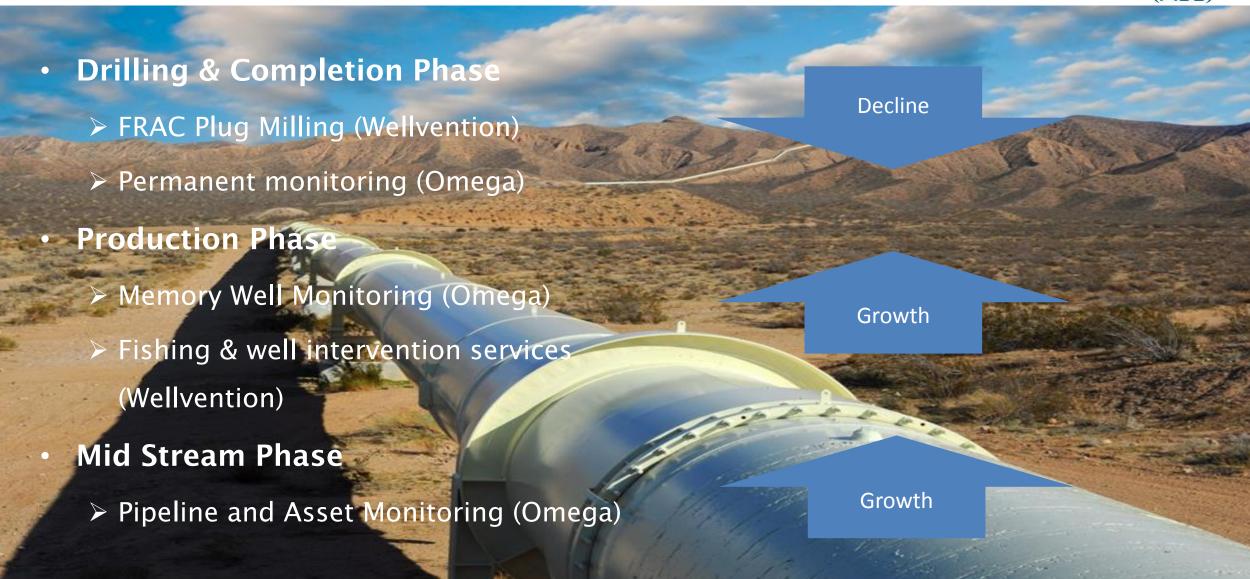


- Well Intervention Field Services
  - Thru Tubing Tools Specialists (Milling & Fishing)
- Well Intervention Tools
  - > Design & Manufacturing
- Pipeline & Asset Monitoring
  - Fibre Optic Leak and Security Monitoring
- Permanent Well Monitoring Solutions
  - Pressure, Temperature, Fibre Optics
- Memory Well Monitoring Gauges



## **ALS Production Solutions - Mixed Activity Phases**

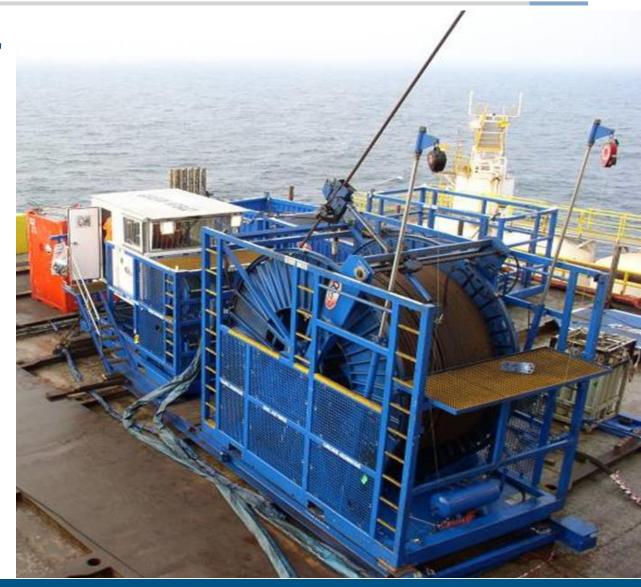




## **ALS-Wellvention** - First choice for Thru Tubing services



- Known as the Thru Tubing Tools 'specialists'
- Contracted directly to operators or through major service companies
- Growing geographically through high performance reputation
- Seven international locations
- USP's
  - > Speed to create and deliver solutions
  - > Our people are the best
  - Reputation and reliability to perform
  - > Innovation and new technology development



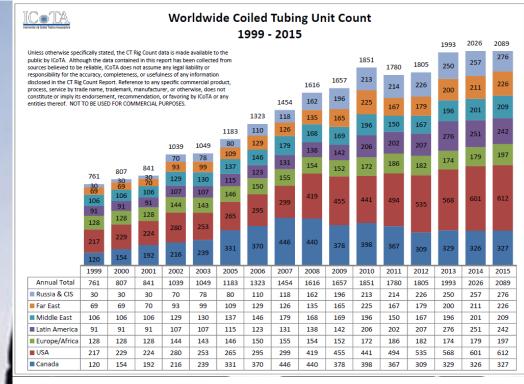
## **Wellvention & Global Coiled Tubing Trends**



- Business standing up well in several areas
- Statistics can be misleading
- Strong focus upon Geographic Growth

Region	ALS – Wellvention Revenue Trend 2015 vs 2014 ytd
USA & Mexico	+532%*
Canada	+112%
Middle East	+105%
Europe	+85%
UK	+43%
Global	+97%

- USA and Mexico are start-up & early years businesses

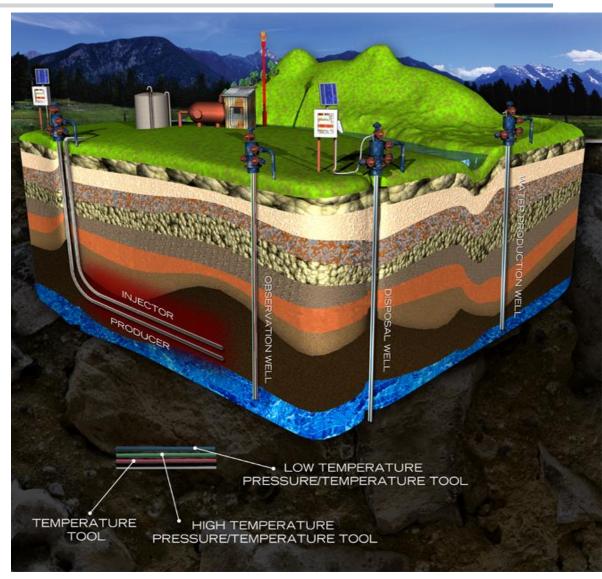


#### Global Coiled Tubing Unit Count

## **ALS-Omega Well Monitoring – First choice for reliable gauges**



- Product sales, rentals and field services
- Permanent and memory gauges
- Globally respected Brand Name
- Five International locations
- USP's
  - Rental of permanent systems
  - One stop shop for complete system
  - Bespoke customer defined systems design, manufacture, installation



## Production Solutions - Part of ALS Oil & Gas Division (Energy)



	Production Solutions Contribution	As % of Oil & Gas Division 2015 ytd	As % of Oil & Gas Division 2014
	Revenue	32%	24%
	Staff	23% (166)	19% (229)
29	Countries	9*	8*
F12	Global Market Share*	<5%	<5%

- Downturns in Oil & Gas demand innovation and new cost saving solutions
- Small global footprint Geographic growth via ALS Oil & Gas global locations

## Strategy in a Downturn - Mid Stream refocus for Omega Monitoring



### **Fiber Optic Pipeline Monitoring**

- Leak detection
- Security



### Why?

- Can detect leaks instantly
- Greatly reduce environmental damage
- Reduce number of pipeline fatalities
- Leak is located to within metres low excavation costs
- Costly inspection programs can be reduced
- No pipeline downtime for inspection
- Greatly reduced costs of the incident
- Lower pipeline insurance costs

## Pipeline Monitoring - The costs of pipeline incidents in USA



	Incident Count
3 Year Average - (2012-2014)	285
5 Year Average - (2010-2014)	281
10 Year Average - (2005-2014)	282
20 Year Average - (1995-2014)	280

lities	
13	
14	
14	
18	
	18

	Injuries
3 Year Average	65
5 Year Average	70
10 Year Average	59
20 Year Average	68

	Property Damage
3 Year Average	\$290,639,267
5 Year Average	\$582,467,980
10 Year Average	\$542,522,295
20 Year Average	\$352,226,224

	2015 Year-To-Date	
Incidents		237
Fatalities		5
Injuries		45
Property Damage		\$243,323,133

- \$243m property damage in 2015
- \$7bn property damage in 20yrs
- Around 280 incidents/yr
- 20 fatalities in 2014 (average 13)

### PHMSA Pipeline Incidents: (1995-2014) Incident Type≲ignificant System Type:ALL State:ALL

Calendar Year	Number	Fatalities	Injuries	Property Damage Current Year Dollars
1995	259	21	64	\$74,291,229
1996	301	53	127	\$160,065,297
1997	267	10	77	\$108,382,011
1998	295	21	81	\$171,394,251
1999	275	22	108	\$175,046,770
2000	290	38	81	\$253,056,430
2001	233	7	61	\$77,717,793
2002	258	12	49	\$125,139,262
2003	295	12	71	\$164,185,502
2004	309	23	56	\$310,022,995
2005	333	16	46	\$1,450,016,946
2006	257	19	34	\$155,251,632
2007	267	16	46	\$149,573,489
2008	278	8	54	\$580,381,948
2009	275	13	62	\$177,659,032
2010	263	19	103	\$1,602,282,547
2011	288	12	51	\$438,139,551
2012	251	10	54	\$228,389,550
2013	300	9	45	\$345,669,427
2014	305	19	95	\$297,858,823
Grand Total	5,599	360	1,365	\$7,044,524,486

Data Source: US DOT Pipeline and Hazardous Materials Safety Administration – 29th Oct 2015 data

## Pipeline Monitoring - The costs of pipeline incidents in USA



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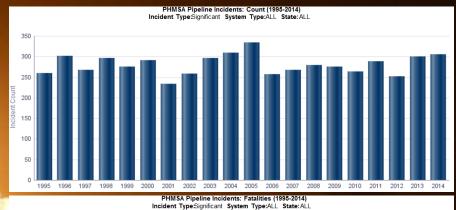
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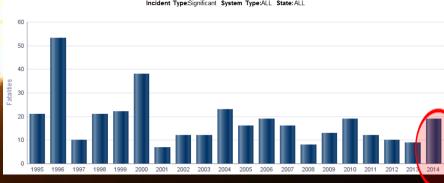
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	2015 Year-To-Date	
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<b>Property Damage</b>		\$243,323,133

### **Omega Pipeline Monitoring Services**

- 33% Sales Revenue growth in 2015
- 41% growth in number of projects
- A swiftly growing Omega service
- Few 'service' competitors

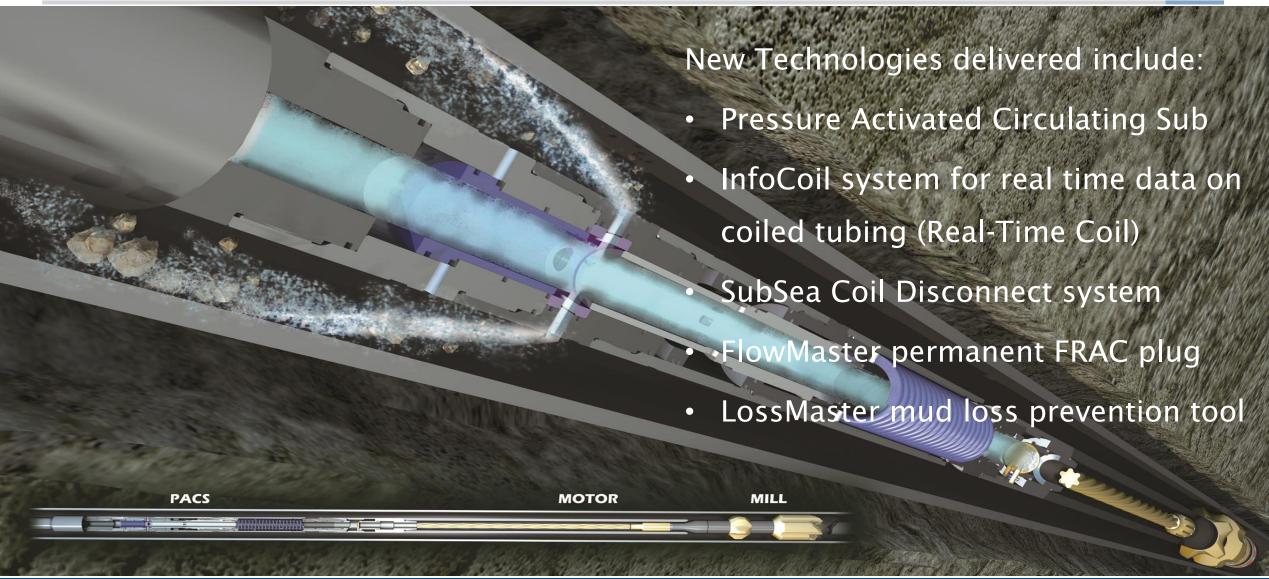




Data Source: US DOT Pipeline and Hazardous Materials Safety Administration - 29th Oct 2015 data

## Strategy in a downturn - Technology Innovation Delivers Added Value





### **Summary**



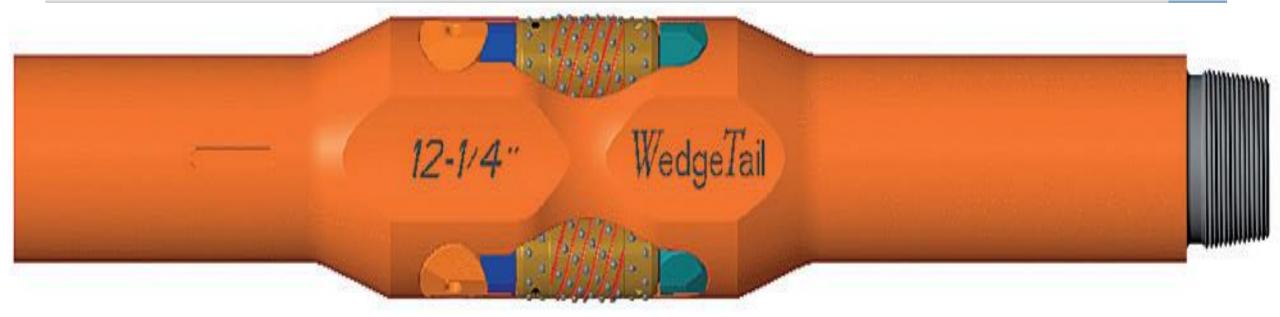
### **Production Solutions**

Delivering business growth via

- Geographic expansion
- New Activity Phase focus
- Value added Technologies
- Market share leverage

### **DRILLING SERVICES**





## **Investor Day**

- facilitated by Morgans

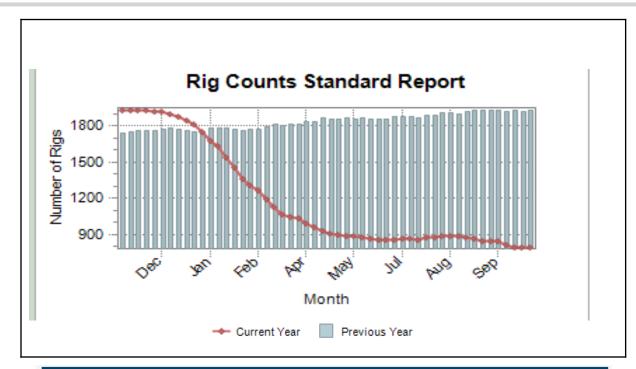
John Mackie - Drilling Services (Oil & Gas)

- Houston Texas USA
- 2<sup>nd</sup> November 2015

## **Global Rig Counts - Market Decline**







Area	Last Count	Count	Change from Prior Count	Date of Prior Count	Change from Last Year	Date of Last Year's Count
U.S.	23 October 2015	787	0	16 October 2015	-1140	23 October 2014
Canada	23 October 2015	190	+9	16 October 2015	-236	23 October 2014
International	September 2015	1140	+3	August 2015	-183	September 2014

# **Worldwide E&P Spending Declining**



UDS\$ billion	2013A	2014A	2015E	2013-14 %	2014-2015%
North America	\$176	\$194	\$125	+9.9%	-35.2%
Middle East	\$35	\$40	\$43	+15.5%	+5.9%
Latin America	\$74	\$77	\$70	+3.5%	-8.7%
Russia	\$48	\$44	\$35	-8.1%	-19.9%
India - Asia - Australia	\$108	\$106	\$91	-1.6%	-14.1%
Europe	\$46	\$46	\$35	-	-22.8%
Africa	\$23	\$26	\$21	+10.0%	-18.7%
Majors (international)	\$105	\$101	\$84	-3.9%	-16.3%
NAM (international)	\$15	\$15	\$11	-3.5%	-23.1%
Other E&P (international)	\$4	\$5	\$4	+26.7%	-18.7%
International Spending Total	\$458	\$460	\$395	+0.3%	-14.0%
Worldwide E&P Spending	\$635	\$654	\$521	+2.9%	-20.3%

Source: Barclays Research and Company Reports

# **ALS Oil & Gas Drilling Services Locations**





# **Improving Cost Base**

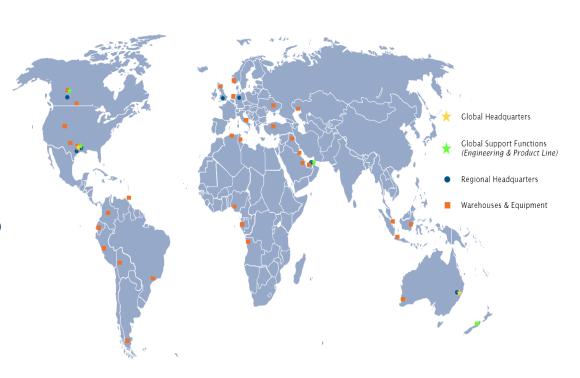


• Australia - Asia (Coring)

Canada - America (Coring)

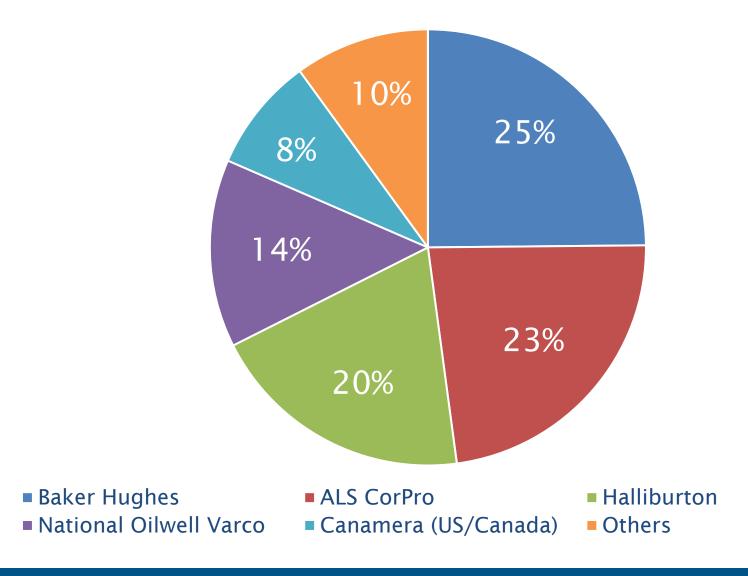
• Change Operating model in Africa (Libya, Tunisia)

Middle East- Europe ,Africa (Drilling Tools)



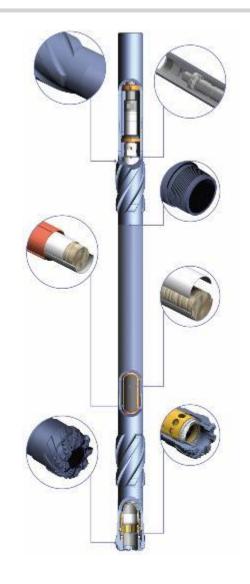
# 2014-15 Global Coring Market Share and Competitor landscape





# **Coring Capabilities**









Wireline

**Pressurized** 

Offshore - deep water

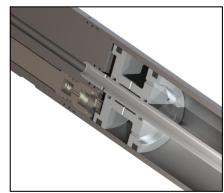
**Conventional** 

# **Coring Innovation - QuickCapture 2.0**

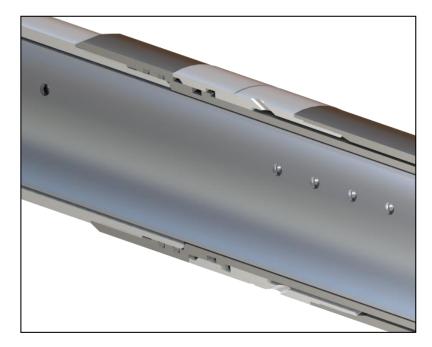


A 2<sup>nd</sup> generation QuickCapture tool is currently in development, with improvements in:

- Relief valve reliability
- Debris tolerance
- Sample canister seal reliability
- Safety and serviceability
- Corrosion resistance
- 4" core system
- Key Technology developed fields
- > Ready for field introduction in Q4 2015







# **Coring Innovation - Jam Recovery System - Galileo**



### Telescopic Jam Recovery System

- Inner sleeves telescope when core jams, allowing coring operation to continue
- 3 ½" Core System 7 7/8" hole size
  - > Developed for North American land market
  - Prototypes tested, ready for field introduction now
- 4" Core System 8 ½" hole size
  - Currently in development for key offshore, Middle East, and European markets
  - Core size is critical for core sampling
  - > Differentiated offering for international markets
  - > Ready for field introduction in Q1 2016



# **Drilling Tools**





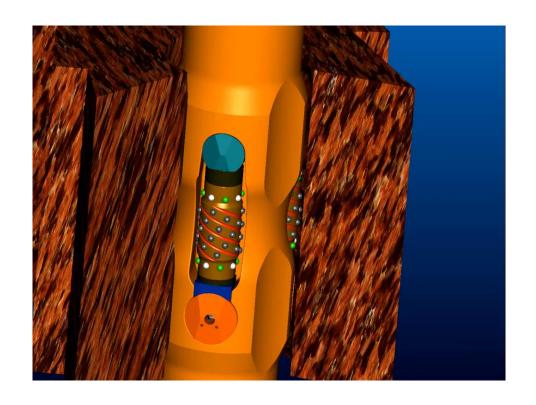
### Wedgetail® Roller Reamer



# Why Reamers Today?



- Reduced Torque
- Reduced Vibration
- Reduced Stick Slip
- Better Stabilization
- Improved Well Bore

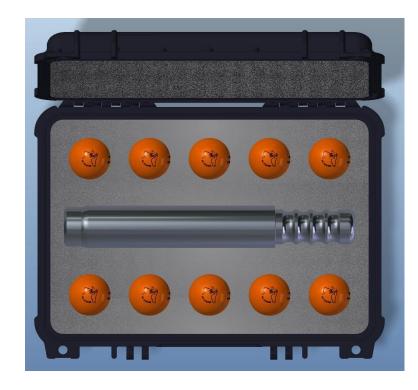


# **Down Hole Tools Innovation – Multi Activation Circulating Sub**



The TAZ Tool

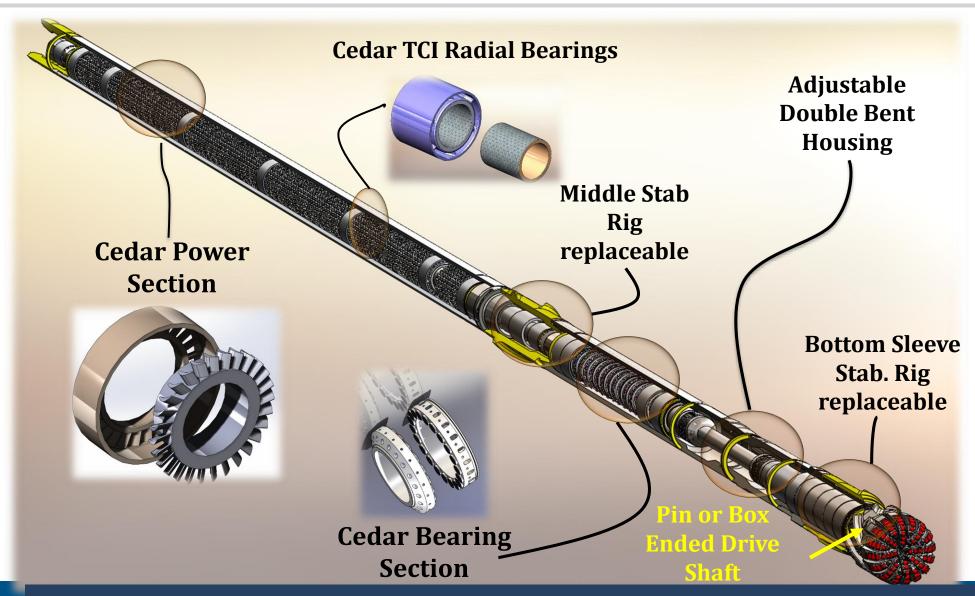






# **Down Hole Tools Innovation - Drilling Turbine Enhancements**

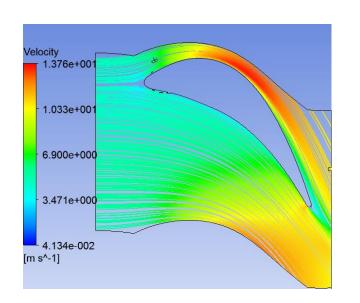


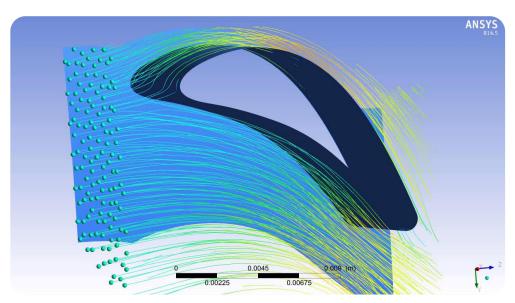


# **Down Hole Tools Innovation - 3D Blade profiling**

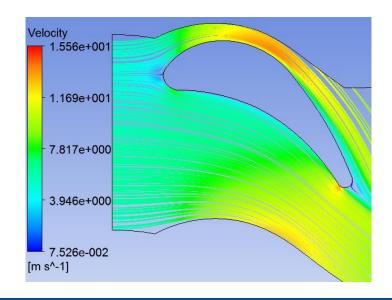


Cedar Turbine Profile





#### Common Turbine Profile



# **Growth Opportunities**



Gulf of Mexico

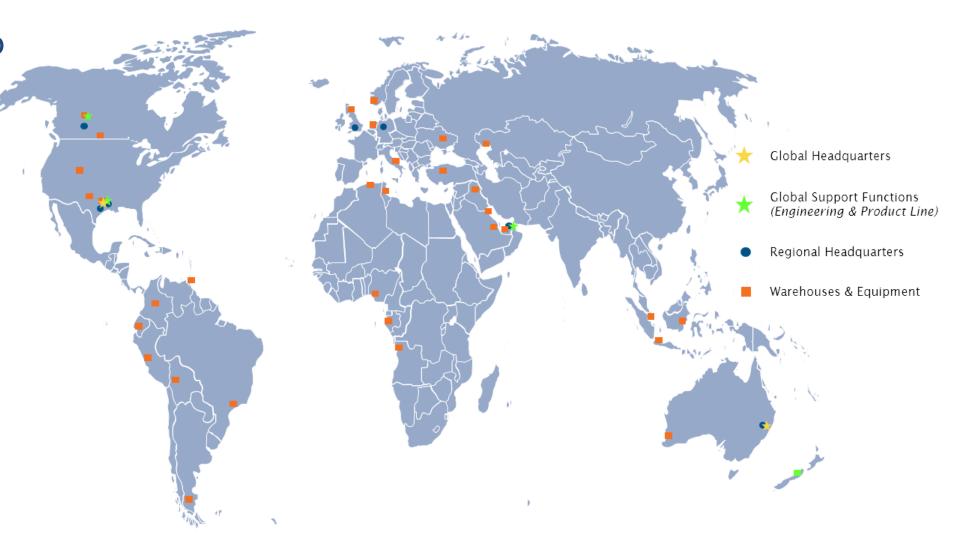
Middle East

• Latin America

Asia

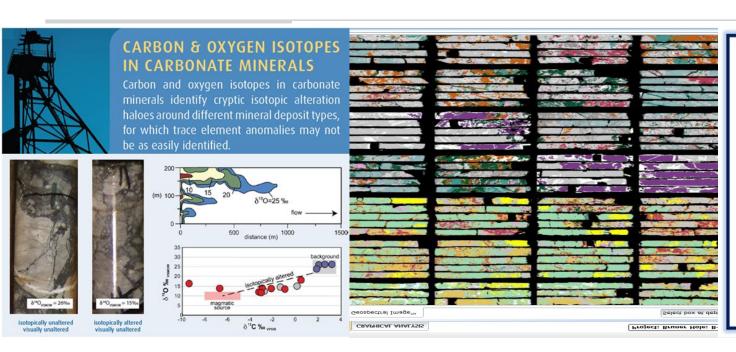
India

China



### **GEOCHEMISTRY BUSINESS STREAM**

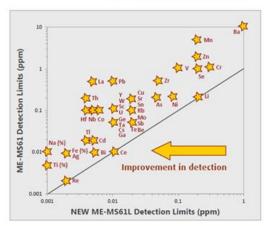




# Lowest detection limits in the industry for robust super trace analysis



- Achieved through ultra-clean laboratory procedures and cutting edge analytical technology
- Near-total four acid digestion for a full suite of pathfinder elements and cost-effective proxy for lithology and alteration
- Full complement of partial leaches for surface exploration including our unique Ionic Leach™



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#### Bruce McDonald - Geochemical Business Stream

- Houston Texas USA
- 2<sup>nd</sup> November 2015

# **ALS Geochemistry - Part of ALS Minerals Division**





- Diversified testing and certification services for the entire resource cycle
- ALS Geochemistry serves explorers and miners engaged in project generation, reserve definition, production and mill process controls.

\*Company estimates

# Global presence in all important geological provinces





# Global presence in all important geological provinces



- > Current count of 83 active locations world-wide.
  - Includes 12 dedicated mine-site locations in some of the largest deposits on the planet (Oyu Tolgoi, Las Bambas, Tasiast).
  - Includes 5 Full Service "Huh" Laboratories serving continental regions

# Viewed as the - "Lab of Choice"

- Locations on every inhabited continent and over 43 countries.
- > Over 2,800 employees.
- Number 1 amongst competition in market share and distribution.

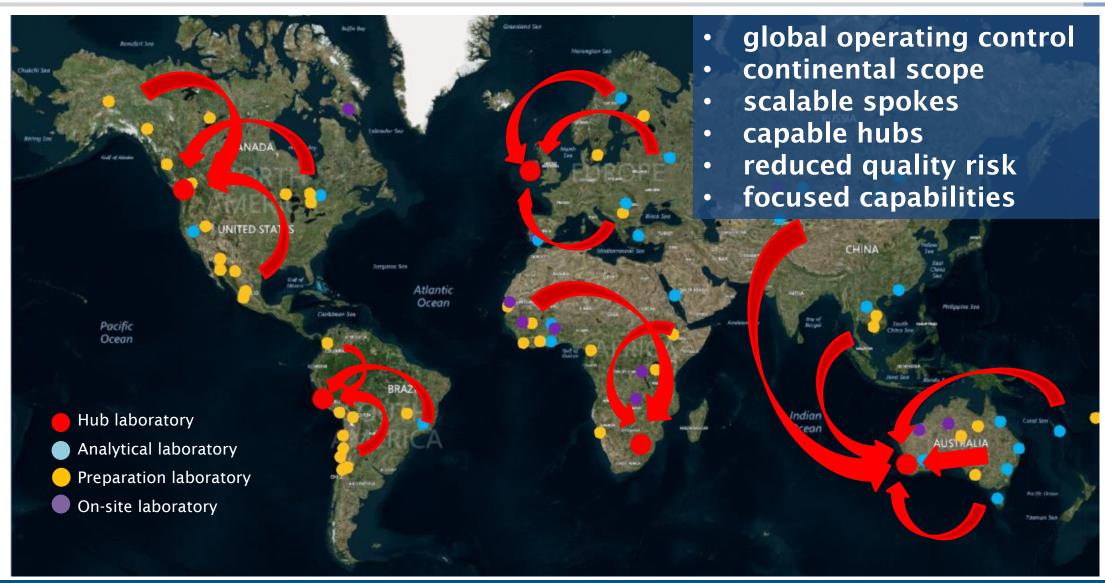
# **ALS Geochemistry Hallmarks**



- Flexible Geographic Distribution
  - Hub and Spoke Distribution allows scalable business model
- Full Scope of Service
  - Meet requirements of industry for all significant commodity groups
- Broadly Distributed Analytical Products
  - Highly coordinated global lab network working to meet local needs
- Quality Leadership
  - Trusted supplier of consistent data quality and integrity
- Incomparable Client Deliverables
  - > Web-based window to the lab, Custom Formats, Work Progress Monitoring
- Timeliness and Quality of Client Support
  - Honesty and depth of support when clients have questions
- Technological Innovation
  - Analytical capabilities and data integration with closely parallel service providers

# **Hub and Spoke Model**

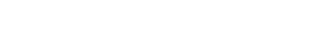




# Business in a Down Cycle - Hub & Spoke



- Consolidation of Expertise
- Economies of Scale
- Load Balancing



•	Turning	down	the	'vo
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- Restricted work capa
- Restrict Scope of Serv
- Overtime ban
- Contract Labour ban

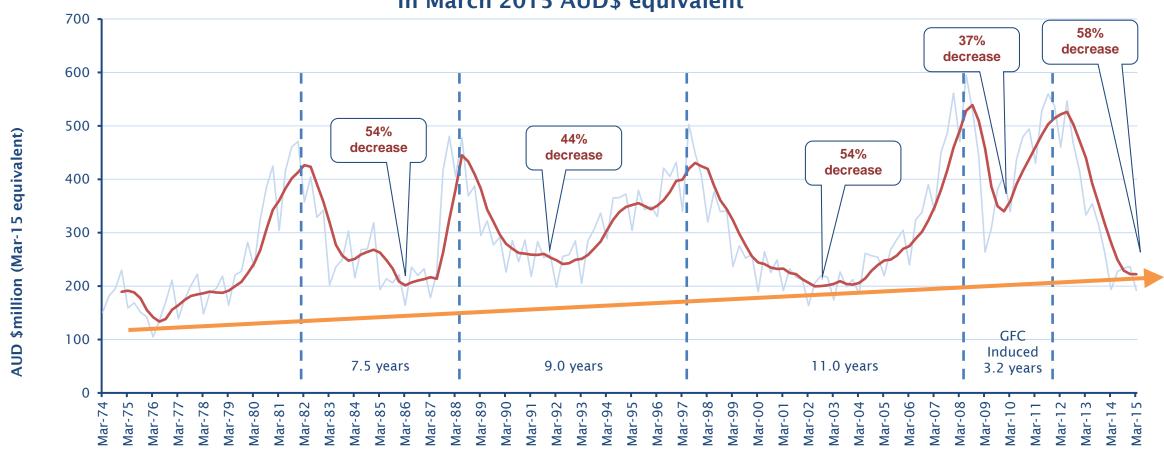
Mothballed or Closed		Restricted Scope		
Anchorage	Bucaramanga	Santiago	La Serena	
Darwin	Bana	Johannesburg	Reno	
Stewart	Zouerate	Val D'Or	Adelaide	
Bogota	Sydney	Medellin	Bamako	
Winnemucca	Maraba	Timmins		
Georgetown	Auezov Town			

Up Cycle Advantages

# Mineral Cycles - Australia as a proxy



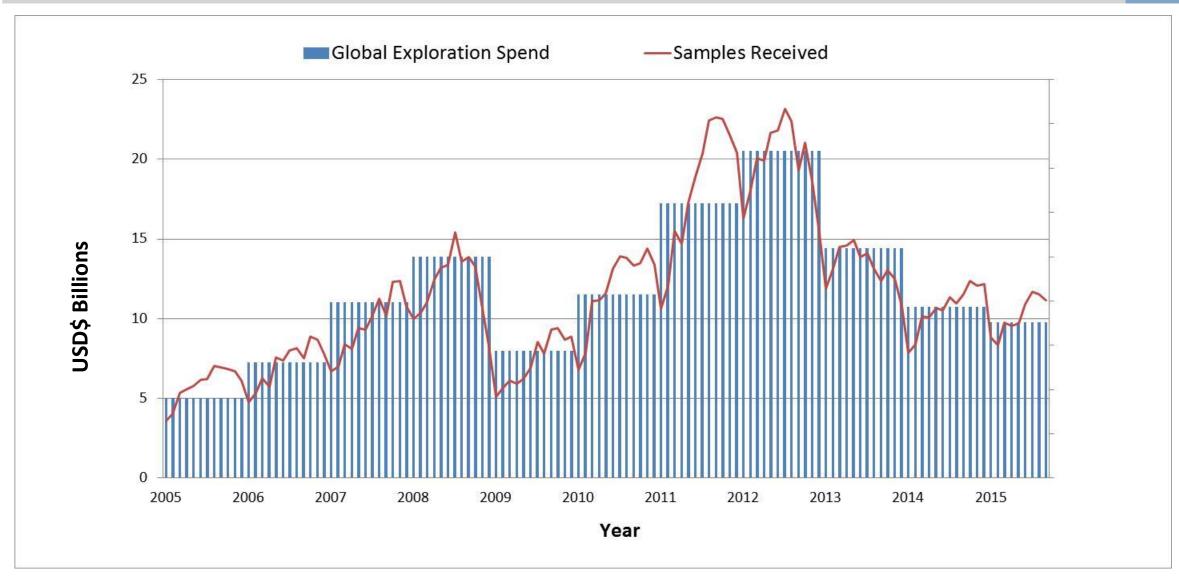
# Australian Mineral Exploration Spend (excluding iron ore & coal) in March 2015 AUD\$ equivalent



Source: Australian Bureau of Statistics

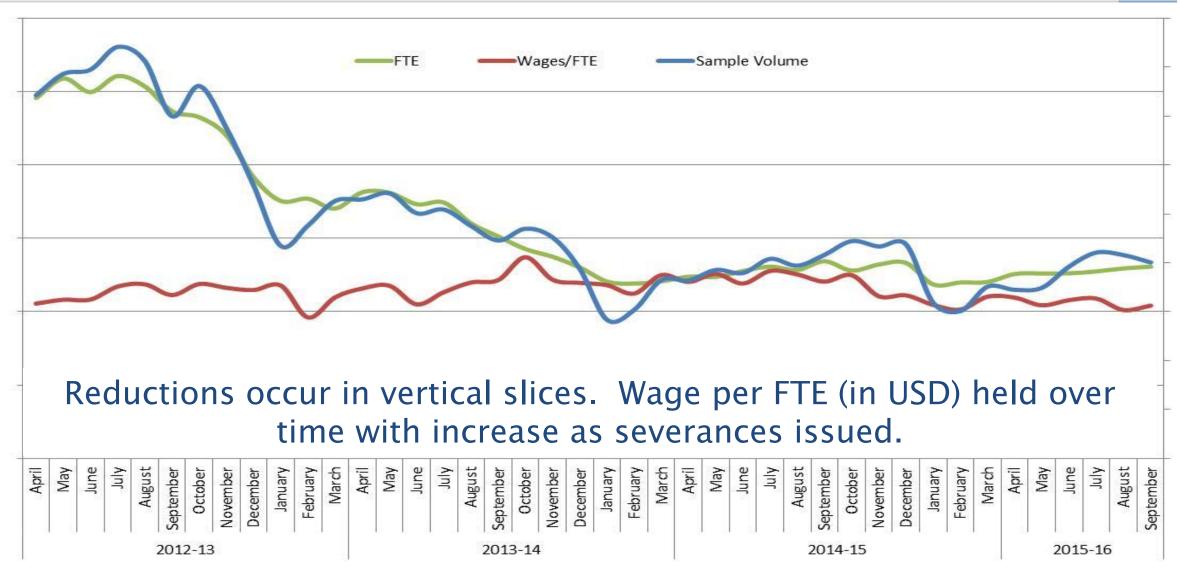
# **Weathering the Storm**





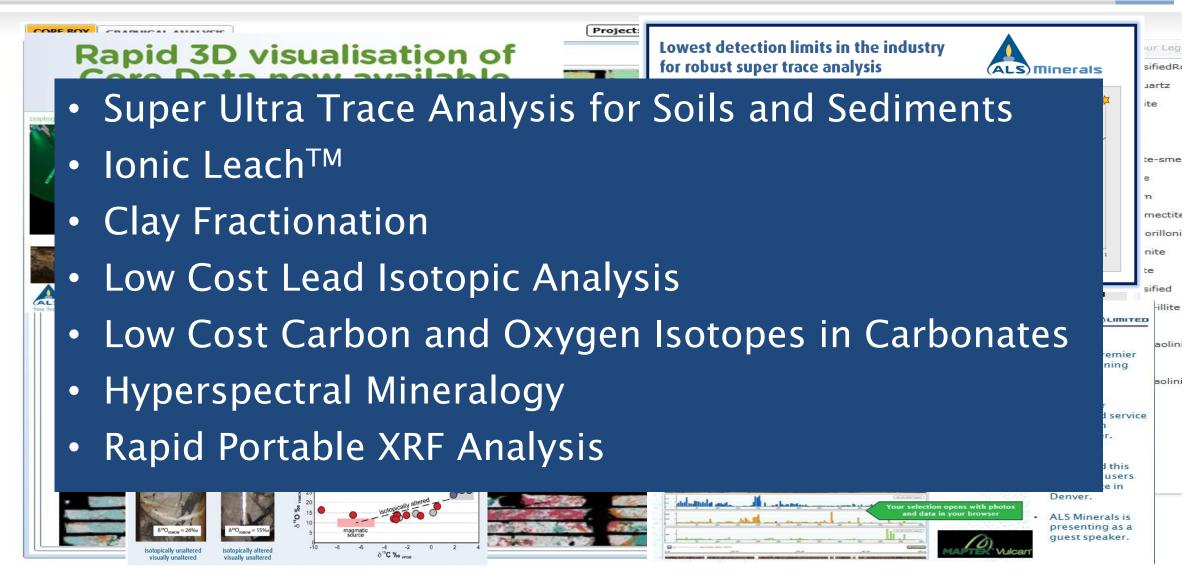
# Costs and productivity highly controlled....





# **Accelerate Market Leadership with Innovation**

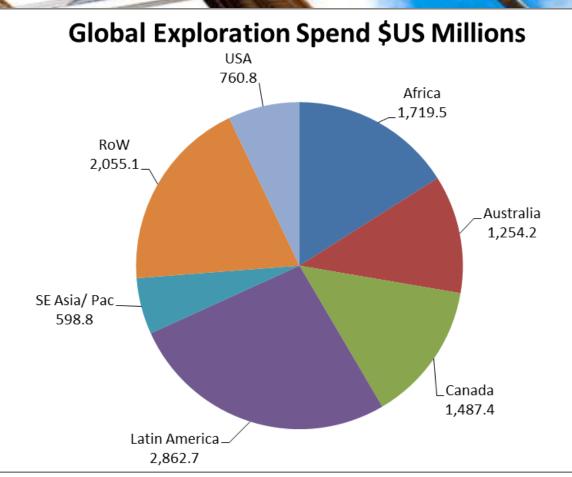




# **World Exploration Trends - Regions**



Region	ALS Geochem Revenue	Global Exploration Spend
Africa	13%	16%
Aust/Asia	23%	18%
Europe/RoW	27%	19%
North America	24%	21%
Latin America	12%	26%
	1	



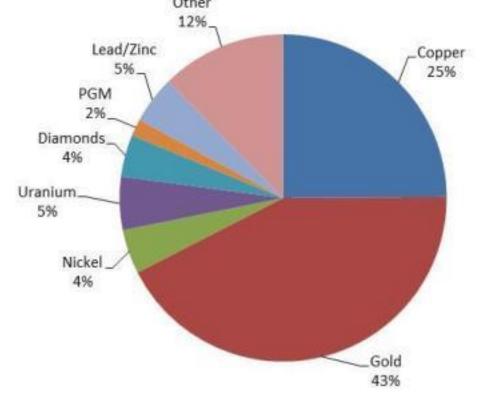
Exploration Spend Data from Metals Economic Group Report Nov 2014

# **World Exploration Trends - Commodities**



		THE PARTY OF THE P
Region	ALS Geochem Revenue	Global Exploration Spend
Gold	43%	43%
Copper	18%	25%
Lead/Zinc	11%	5%
Uranium	0.1%	5%
Nickel	10%	4%
Diamonds	N/A	4%
PGM	1.2%	2%
Other	17%	12%
	ALC: NO SECTION AND ADDRESS OF THE PARTY OF	A SA

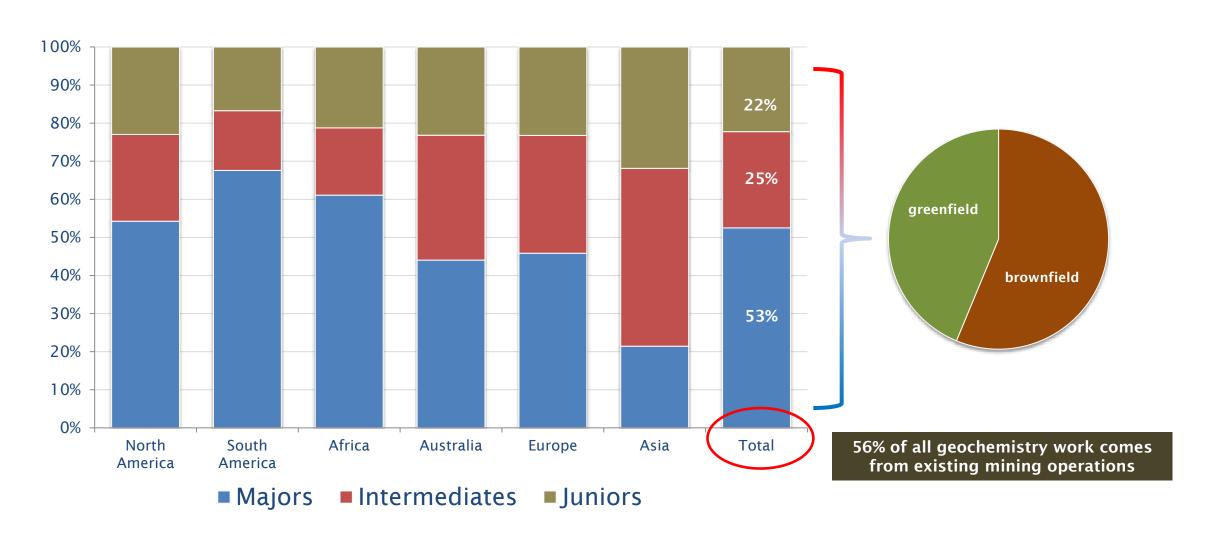
# Global Exploration Spend \$US Millions



Exploration Spend Data from Metals Economic Group Report Nov 2014

# **ALS Geochemistry Revenue CY2015**



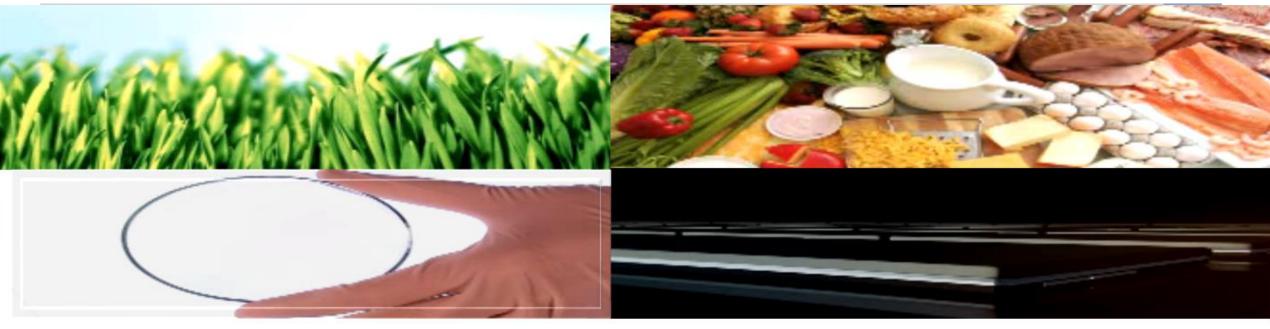






### **LIFE SCIENCES DIVISION**





# **Investor Day**

- facilitated by Morgans

Raj Naran - Life Sciences Division

- Houston Texas USA
- 2<sup>nd</sup> November 2015

### **Services Offered - ALS Life Sciences**



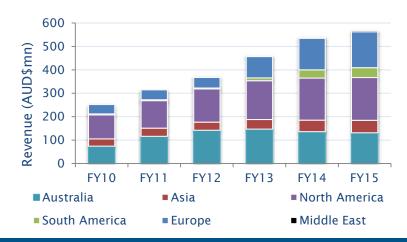


### **Life Sciences Overview**





	2015	2014	Change
Revenue	\$557mn	\$527mn	+6%
EBITDA	\$130mn	\$124mn	+4%
EBIT	\$98mn	\$94mn	+4%
EBIT Margin	17.6%	17.9%	-30bps



#### **Overview**

- Strong Environmental revenue growth in South America (+22%), Europe (+11%) and Asia (+10%). Australia down slightly in a very competitive market but no loss of market share.
- New Environmental LIMS progressively deployed in Australia highly successful
- Strong Food/Pharma revenue growth in Europe (+18%)
- New multi-language Food LIMS including client portal successfully deployed in United Kingdom
- Food chemistry hub in Denmark completed
- Acquisition of ControlVet provides food hub laboratory in Iberian Peninsula

#### <u>Outlook</u>

- Acquisitions in Food sector "building blocks" in place
- New Food LIMS to be rolled out to all global food laboratories by year end
- Environmental laboratory performance in the Americas to improve substantially
- New water contracts in UK to drive margin improvement

# **Life Sciences Facilities – global coverage**





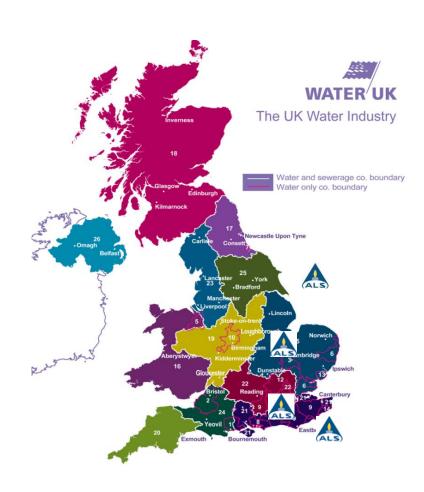
### **Environmental Business**

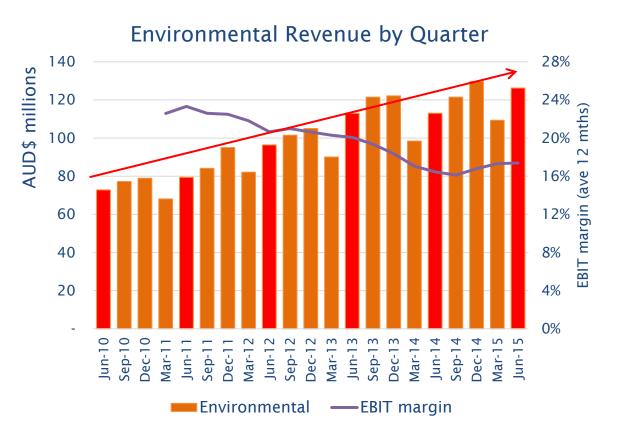


- Mature business
- Global footprint:
  - > 71 laboratories in 32 countries
  - > Additional 50 sales offices to access broader geographical market
- Largest provider of environmental analytical services in the world
- World class USEPA compliant full service laboratory in Peru
- Continued focus on water analytical capabilities from water authorities:
  - > 85% market share in Australia and 50% in the UK
- The "ALS Experience"
- Global environmental market growth is 1% to 2% per annum.
  - > ALS Environmental is growing at 10% to 15% per annum

# **Environmental Strategy**



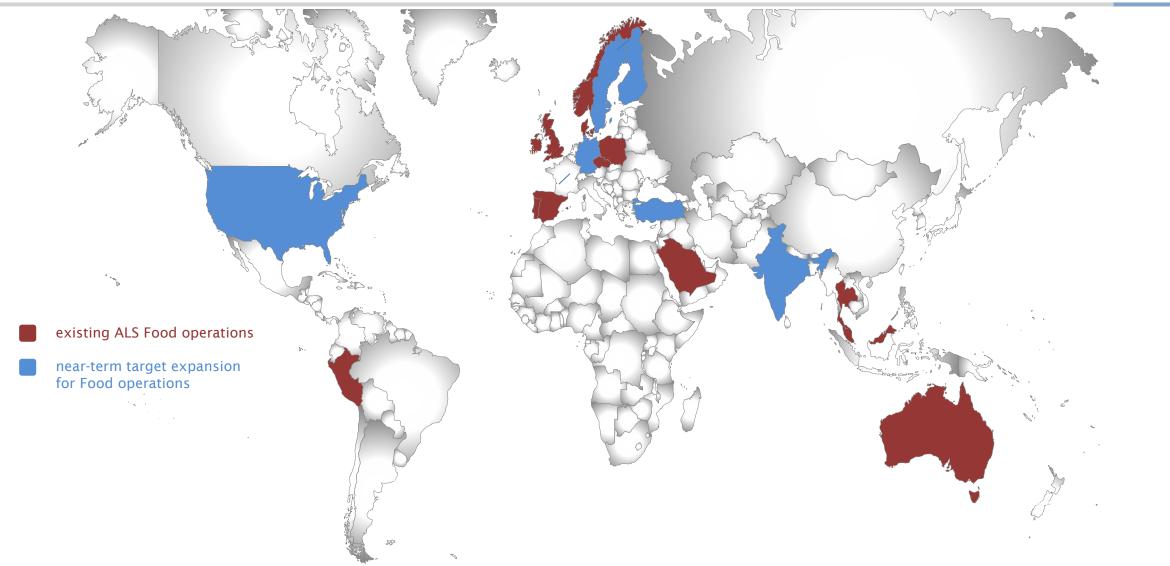




Note - EBIT margin inclusive of abnormals

# Food Strategy - the journey has begun

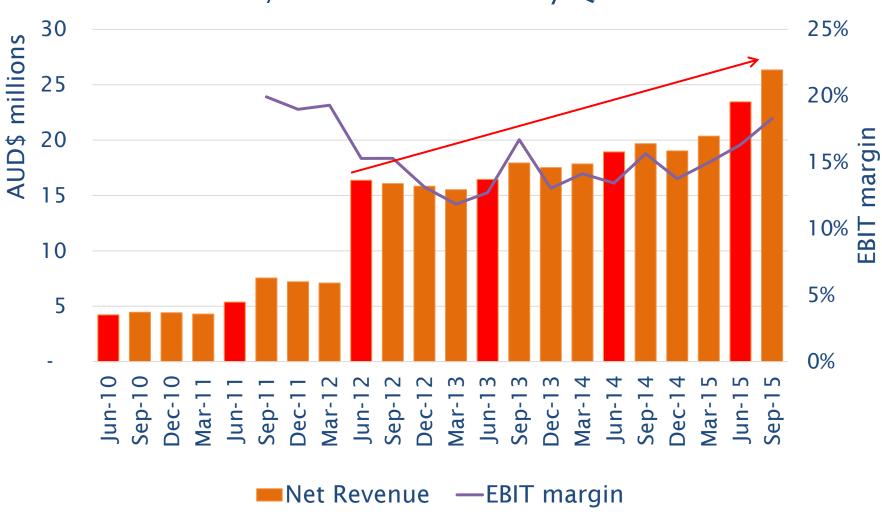




# Food Strategy - the journey has begun







### Food Strategy - the journey has begun



### Achievements to date

- Multi-language LIMS built and being rolled out globally
- Client portal built version 3 (ALSolutions) to be released in October 2015
- MIS built and rolled out
- Global instrument standards in place
- Global methods standardised
- Hub & spoke network in Europe 75% in place
- "Farm to Fork" holistic service developed
- Technical capabilities in place
  - Chemistry
  - Microbiology
  - Sensorial
  - Consulting
  - Auditing

# **Thank You**





# **Tribology Strategy**

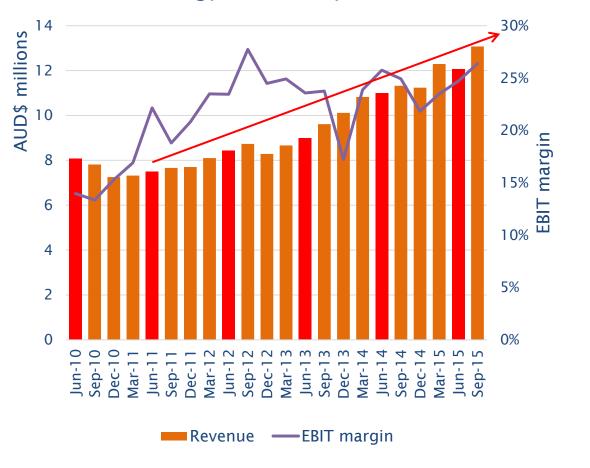




Sydney Tribology Laboratory



Tribology Revenue by Quarter



Note - EBIT margin inclusive of abnormals

# **Asset Care - plant health monitoring**









