LiDCO Group Plc Interim Results Presentation

Six months to 31 July 2015

13 October 2015

Matt Sassone Chief Executive Officer Paul Clifford Finance Director







To be read in conjunction with the interim results announcement

LiDCO Group Plc



- AIM listed medical devices company
- LiDCO is a supplier of minimally and non-invasive hemodynamic equipment
- Addressing a potential \$2bn market with comprehensive product solutions addressing intensive care and high-risk surgical patient pathways
- Use of LiDCO's patented technology has been shown to significantly reduce morbidity and complications, length of stay and overall costs associated with major surgery
- Year of transition as Matt Sassone takes over from founding CEO, Terry O'Brien

LiDCO's Product Offering





SmartCard

 Flexible approach -Single card payment
 Pathway approach across perioperative period

Non-Invasive

Unique two finger cuff
 Flexibility across the perioperative pathway

 Continuous non invasive blood pressure

Minimally Invasive

✓ Arterial line
 ✓ Patented user display
 ✓ Validated PulseCO[™] algorithm



Calibrated

Added Lithium
 calibration – ICU
 focus

1 Hadan M, Saeryn D, Pritey M. The offeds of vessettive drugs on public proseure + stroke

Extensively validated including

Calibrated cardiac output values from

✓ Dual finger cuff for non-invasive use

existing radial and venous catheters

- volume variation in post-oper attra-vanitatiste patients (2011_ Journal of Critical Care. Jun; 26 (\$:308 E1-8 Doi 10.1016)(jm.201008.015 2 Mora B, hou C, Bitkinstorg B, Skiritatiste K, Perridua E, Arkennit H. J. Dworschait, M (2011) Validation of cardiac capacity measurement with the LIDCO TM pulse contour system in patients with in reparies the without an Archive Andre cardioc surgest, Anasteriasa Gel (\$675-81
- S Dyer R, Rercy J, Reed A, Strathle G, Lombard C, Anthony J, James M (2011) Comparison between pulse wardform analysis and thermooil lion cardiac output determination in patients with severe pre-otampsia. Birt Journal of Anaethesis 105 (1):77 – 81.
- 4 http://www.lidco.com/outcomes/outcomes.php

Safe

5 Pearse R, Dawson D, Fawcett J, Rhodes A, Grounds RM, Bennett ED (2005) Early goaldirected thrapy after major surgery reduces complications and duration of hospital stay. A randomised, controlled HaiL Crit Care 9 (8) 687-603

Proven

Emergency Room

- ✓ Only arterial waveform analysis algorithm unchanged in 15 years
- ✓ Over 200 clinical studies⁴
- ✓ Improved patient outcomes^{5,6,7,8}
- 6 S. Huddart, C. J. Roben, M. Swart, B. McCormick, M. Didkinson, M. A. Mohammed and N. Quiney (2014) Use of a Care Bundle to Reduce Mortality after Emergency Lapartomy British Journal of Surgery 2014; 10.1002/bj.e0658
- momeon m, where an H, valencia LO, Ar-subsie N, Gost-Directed therapy bilowing candla surgery and the incidence of acute kidney injury. Journal of Ortical Care (2014), doi: 10.1016/j.jcm.2014.06.011
- 8 Hata J, Slotta C, Shridky C, Baynan E, Fitzler A, Wang J, Nickel E (2011) Reduced mortally with noninneakle transprant monitoring of hados. J CH Clare vol 28 (p.224 E) - 8 0 (am T, Class F) Windsor A, Payner A, Foorw C, Sabel P, Wenhorg P, Bispachi ai ridax monitoring allows fast are mergence and improved recovery from proporti, altertani, and instrus. a xida amethesia. BR⁻¹⁰ Winds (xid), (riday, Claro) Anethesidolog, 2017;48:06 815.

Flexible

О

ntensive Care Unit

High Dependency Unit

- Switch from non-invasive to invasive with the same disposable
- LiDCOrapid can be calibrated with any valid cardiac output measurement
- Hemodynamic management across the whole clinical pathway⁶

Unique

- Single disposable for both invasive and dual cuff non-invasive monitoring
- Non-invasive CNAP calibrated to brachial arm cuff
- Depth of anaesthesia monitoring⁹



Why LiDCO?

LiDCO hemodynamic monitoring Powering the clinical pathway

С

Operating Room

Lidco

Overview – Six months to 30 July 2015

- LiDCO
- Surgery disposables (excluding 3rd party products) revenue up 2% to £1.48m (2014: £1.45m).
- Total revenue down 3% to £3.60m (2014: £3.71m)
- Loss before tax* £525,000 (2014: £190,000) after planned increase in sales infrastructure costs
- 5 year agreement signed with US group purchasing organisation MedAssets working on behalf of a large US healthcare group comprising 38 hospitals across 8 states
- 65 monitors sold/placed in the period (2014: 128); 29 surgical monitors (2014: 33) installed in the UK
- Development of LiDCOrapid^{v3} Unity product on track with registration expected later this year
- Cash at period end £1.39m (31 Jan 2015: £1.51m). Company remains debt free and well-funded
- * before share based payments and exceptional cost

Income Statement Summary



- Total revenue decreased by 3%
 - 2% increase in surgical disposables
 - Reduced UK ICU disposables
 - In-market sales in Japan growing but no sales to distributor
 - Reduced US & EU monitors sales
 - EU & ROW revenues up 8%
- Margin 80% (2014: 82%)
 - ICU disposables 84%
 - Surgery disposables 96%
- Overheads (before exceptional cost) up by £201,000 after planned increase in UK sales infrastructure

	6 months to	6 months to
	July 2015	July 2014
	£'000	£'000
Revenue	3,603	3,708
Cost of sales	(1,229)	(1,192)
Gross profit	2,374	2,516
Administrative expenses	(2,945)	(2,744)
Exceptional cost	(120)	-
Total costs	(3 <i>,</i> 065)	(2,744)
Operating loss	(691)	(228)
Net finance income / (expense)	2	(2)
Loss before tax	(689)	(230)
Income tax	(3)	(14)
Loss after tax	(692)	(244)
Loss before tax, share based		
payment and exceptional cost	(525)	(190)

Revenues by Region

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		6 months to July 2015			6 months to July 2014			
	Monitors	Disposables	Other	Total	Monitors Disposables		Other	Other Total
	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
LiDCO sales								
UK	205	1,342	162	1,709	180	1,466	140	1,786
US	20	468	5	493	118	462	5	585
Japan	8	-	-	8	-	-	-	-
Europe	33	240	6	279	84	203	8	295
Rest of World	145	123	3	271	137	75	2	214
	411	2,173	176	2,760	519	2,206	155	2,880
3rd party sales								
UK	-	843	-	843	-	828	-	828
Total sales	411	3,016	176	3,603	519	3,034	155	3,708

- **UK**: Disposables sales impacted by continuation of some de-stocking within the NHS
- **US**: Focus during Q1 on the major hospital group evaluation. Stronger H2 expected
- Japan: In-market sales by our distributor are growing, although this is yet to translate into new orders
- **EU & ROW**: Revenues up 8% as we continue to expand internationally

Stronger H2 expected in all territories

Cash Flow and Working Capital

- H1 benefit from collection of high year end receivables in January 2015
- Receivables reduced by £661k in period
- Inventory down £43k and further reduction expected in H2
- Product development cost of £287k and should be lower in H2
- Closing cash £1.39m
- Well funded and no borrowings
- Expect H2 to be cash neutral/ generative

	6 months to	6 months to
	July 2015	July 2014
	£'000	£'000
Loss before tax	(689)	(230)
Net cash flow from operating		
activities	315	(90)
Cash used in investing	(439)	(422)
Net cash flow before financing	(124)	(512)
Net cash flow - financing	0	(52)
Net change in cash	(124)	(564)
Opening cash	1,509	2,373
Closing cash	1,385	1,809

Well funded with no borrowings

Further Clinical Evidence

Supporting the use of hemodynamic monitoring

Intraoperative goal directed hemodynamic therapy in non-cardiac surgery: a systematic review and meta-analysis. Javier Ripollésa, et al Brazilian Society of Anaesthesia 2015

- Meta-analysis of 29 randomised controlled trials
- Analysing the effect of GDHT (Goal Directed Hemodynamic Therapy) in adult non-cardiac surgery patients
- The authors concluded (with high statistical significance p< 0.001) that the use of GDHT with minimally invasive monitoring decreases postoperative complications and that "potential cost savings resulting from GDHT were substantial"

Validating LiDCO's technology

Evaluation of the utility of the Vigileo FloTrac[™], LiDCO[™], USCOM and CardioQ[™] to detect hypovolaemia in conscious volunteers: a proof of concept study. E. O'Loughlin, et al Anaesthesia 2015

- Difference from baseline stroke volume (a measure of the circulation's ability to fill the heart effectively) was detected quickest by the LiDCOrapid device after only 2.5% blood loss
- USCOM device detected after three times as much blood had been lost (7.5%)
- Deltex CardioQ and Edwards FloTrac devices detected after five times as much blood had been lost (12.5%)

Wealth of clinical evidence supporting use

Growth Strategy

Today

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Recognised global brand

• Sold in 40 countries globally Licencing arrangement with

Strong clinical heritage

Direct in UK & US

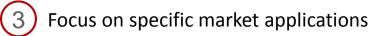
ICU Medical



Drivers for greater growth

Commercial focus

Geographical expansion



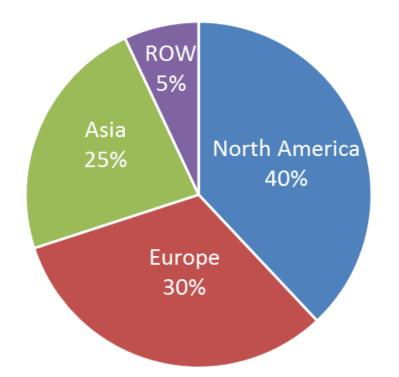
Maintain technology leadership

Sales execution phase of LiDCO's evolution

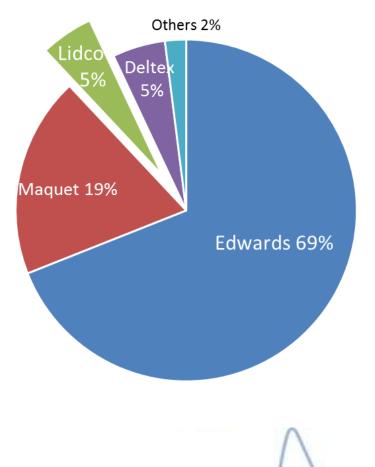
Market Dynamics

LiDCO

Global Market



Competitive Landscape



Source: Management estimates

USA Market



- Largest market for hemodynamic monitoring with positive market dynamics
- Growing interest in Enhanced Surgical Recovery (ERAS) and Perioperative Surgical Home (PSH) programmes



 5 year agreement signed with US group purchasing organisation MedAssets working on behalf of a large US healthcare group following a competitive multi-site evaluation for non-invasive hemodynamic monitoring

icumedical

- Royalty license arrangement
- Have submitted a 510(k) with the US FDA for their new hemodynamic monitor (Cogent) that incorporates LiDCO technology.
- This is expected to produce an attractive complementary royalty stream once Cogent is launched.

Strategic levers to address attractive market

	Group Purchasing Organisations	Regional Healthcare Networks	Large University Hospitals	Individual Accounts
No. of Hemodynamic equipment providers	N/A at present	Sole or Dual source	Multiple	Sole
Sales Coverage Required	LOW			HIGH
Training Intensity	HIGH			LOW
Market Access Approach	Relatively Small Direct + 3rd party training su			Large Direct Team
Costs	Flexible Cost Base (opportunity responsi	ve)		High Installed Cost Base

- Will build team in line with growing business
- Focus on embedding our technology as part of mandated clinical protocols within large healthcare networks, as demonstrated by our MedAssets agreement, rather than only focus on an individual account approach which is very resource intensive

Staged investments to take advantage of opportunities

USA Market

UK Market





- 158 out of 293 NHS hospitals (54%) use LiDCO products
- Increasing existing base of approximately 450 LiDCOrapid monitors will drive growth of surgery disposables
 - Surgical disposables gross margin of 96%
- UK has led the way in adoption of fluid monitoring in high-risk surgery patients. Significant opportunities exist in targeted applications:

Year	LiDCOrapid monitors		LiDCOrapid disposables			
	H1	H2	Total	H1	H2	Total
2008/09	7	20	27	45	862	907
2009/10	15	19	34	995	1,530	2,525
2010/11	20	25	45	2,315	3,610	5,925
2011/12	19	30	49	4,745	3,990	8,735
2012/13	27	50	77	6,295	8,560	14,855
2013/14	74	46	120	11,015	12,555	23,570
2014/15	33	40	73	10,860	13,550	24,410
2015/16	29			10,750		

High risk elective
SurgeryOver 50,000 patients per annum
[Colorectal 20,000; Vascular 20,000]Emergency
laparotomy SurgeryOver 30,000 patients per annumCardiac SurgeryOver 30,000 patients per annumEmergency
Orthopaedic SurgeryOver 70,000 patients per annumSepsisOver 100,000 patients per annum

Focus on target applications of use

Fundamentals of UK market remain attractive

UK Market – Focused Approach





- Approximately 30,000-50,000 emergency laparotomies are done in the UK each year with an average mortality of 15%
- One of the highest risk hospital patient populations
- Cardiac output monitoring was used in fewer than 15% of all cases

Use of a pathway quality improvement care bundle to reduce mortality after emergency laparotomy (Huddart et al.British Journal of Surgery 2014)

- ELPQuiC pathway is a 5 step care bundle. Part of the pathway is goal directed fluid therapy using a cardiac output monitor
- The overall adjusted risk of 30-day mortality significantly decreased from 15.6% to 9.6% (p=0.001)
- The study's authors concluded that 5.97 more lives saved per 100 patients treated overall compared with outcomes before implementation of ELPQuiC bundle

Focusing on the right high risk surgical patient groups

Distribution Markets



Europe

- Clear focus on markets where we can be #1 or #2
- GDT protocol projects underway in target countries
- Working with next generation of KOLs to develop clinical studies

Middle East

- Rapidly growing adoption of GDT
- KOL activity to embed technology
- Expanding distribution efforts across the region



Secondary Markets

 Planning to work with master distribution management companies to better enable internal resources to focus on priority markets

Japan

- Working with strategic partners to take market share from major incumbent
 Exploiting reimbursement to drive sales of LiDCOrapid
- Launching CNAP

Asia

- Chinese registration expected next year
- Assessing options in India
- New distribution partners
- been signed in key markets

Prioritising countries where LiDCO can become #1 or #2

Product Development



	Current LiDCO Offering		Future
Connectivity	USB connectivity, Ethernet connection for remote access		 HL7 langu hospital e
Monitoring	 Medtronic's BIS[™] and CNSystem's CNAP modules 	Future	Fully flexil source cal
Algorithm	 Arterial waveform algorithm PulseCO[™] unchanged for 15 years 	Future	Improvem increase a
Platform	Consistent monitor platform to enable efficient customer upgrades		Refreshec leadership
User-ability	 Patented Graphical User Interface (GUI) 		 Improved customer
	Embaddad into aver		iont coro
	Embedded into every	i stage of pati	ient care

uture Development

- HL7 language for embedding into hospital electronic patient records
- Fully flexible monitor with multisource calibration capabilities
- Improvements to PulseCOTM to increase analytical power
- Refreshed look to re-enforce leadership position
- Improved aesthetics to increase customer interaction experience

Embedded into every stage of patient care protocols with the flexibility to adapt to different needs during the care continuum

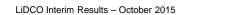
Concluding Remarks

- High margin products with scalable business model
- Large, growing, attractive, global market
- Company in sales execution phase
- Gaining traction in the US without investing heavily
- UK stable with opportunities to expand further
- Platforms for greater growth in key identified markets
- New product developments on track
- Company remains debt free and well-funded

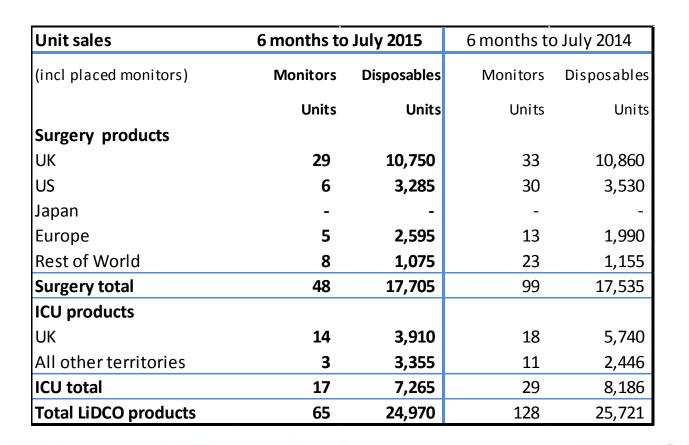
Year of transition and the Board remains confident and excited about LiDCO's future growth prospects to deliver significant and sustainable shareholder value in the medium-term and beyond. We expect a profitable H2 2015.



Appendices



Unit Sales/Installations by Region



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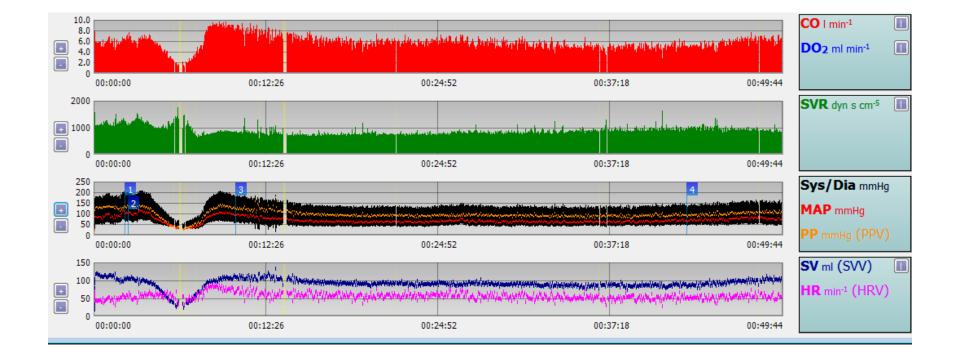
Arterial Line and Non-Invasive Disposables Market Addressed by LiDCOrapid^{v2}

Peri-operative Surgical Fluid & Hemodynamic Monitoring Market						
Territory	UK	US	JAPAN	EU		
Arterial line pts. Non arterial line pts	340,000 340,000	1,700,000 1,700,000	680,000 680,000	2,560,000 2,560,000		
Total pts. / annum	680,000	3,400,000	1,360,000	5,120,000		
Average price Disposable (\$)	\$102	\$195	\$420	\$150		
Disposable market value / annum	\$70m	\$660m	\$570m	\$770m		

Total market for disposables addressed by LiDCOrapid^{v2} \$2,071m

Source: Management estimates from published data

Blood flow fall across induction and its Lidco correction using LiDCO*rapid*



Balance Sheet

	31 July 2015 £'000	31 July 2014 £'000	31 Jan 2015 £'000
Non-current assets	2,966	2,689	2,868
Current assets			
Inventory	2,076	2,262	2,119
Trade & other receivables	2,156	1,777	2,941
Cash	1,385	1,809	1,509
Total current assets	5,617	5 <i>,</i> 848	6,569
Current liabilities			
Trade & other payables	(1,377)	(1,176)	(1,596)
Deferred income	(134)	(186)	(121)
Borrowings	-	(90)	-
Total current liabilities	(1,511)	(1,452)	(1,717)
Net current assets Net assets	4,106 7,072	4,396 7,085	4,852 7,720
			\wedge

LiDCC

Summary Cash Flow

	6 months	6 months	Year ended
	ended 31 July	ended 31 July	31 January
	2015	2014	2015
	£'000	£'000	£'000
Loss before tax	(689)	(230)	238
Net cash inflow/(outflow) from operating activities	315	(90)	274
Cash flows from investing activities			
Purchase of plant, property & equipment	(132)	(193)	(363)
Purchase of intangible assets	(309)	(234)	(635)
Finance income	2	5	7
Net cash used in investing activities	(439)	(422)	(991)
Net cash outflow before financing	(124)	(512)	(717)
Cash flows from financing activities			
Finance expense	-	(7)	(12)
Repayment of finance lease	-	(85)	(175)
Issue of ordinary share capital	-	40	40
Net cash outflow from financing activities	-	(52)	(147)
Net Increase/(decrease) in cash and cash equivalents	(124)	(564)	(864)
Opening cash and cash equivalents	1,509	2,373	2,373
Closing cash and cash equivalents	1,385	1,809	1,509

LiDCO Interim Results - October 2015

LiDCC