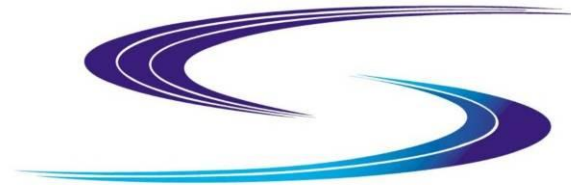




SARANTEL



# SARANTEL

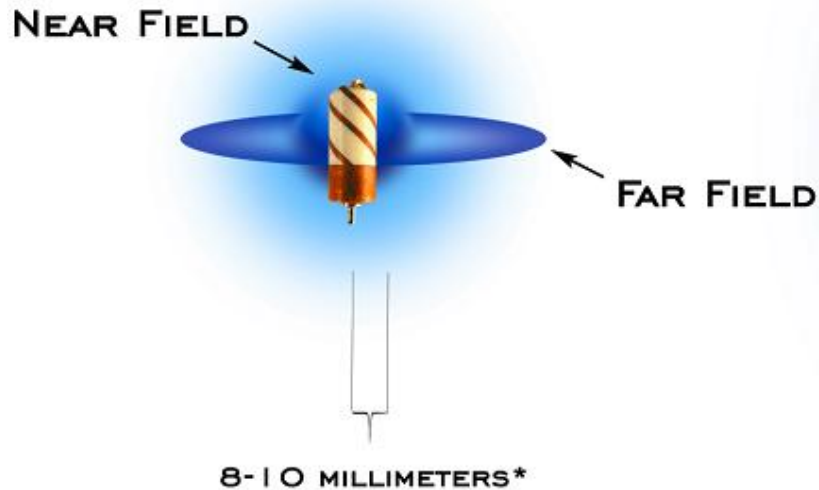
*A new generation of filtering antennas for wireless devices*

**May 2011**

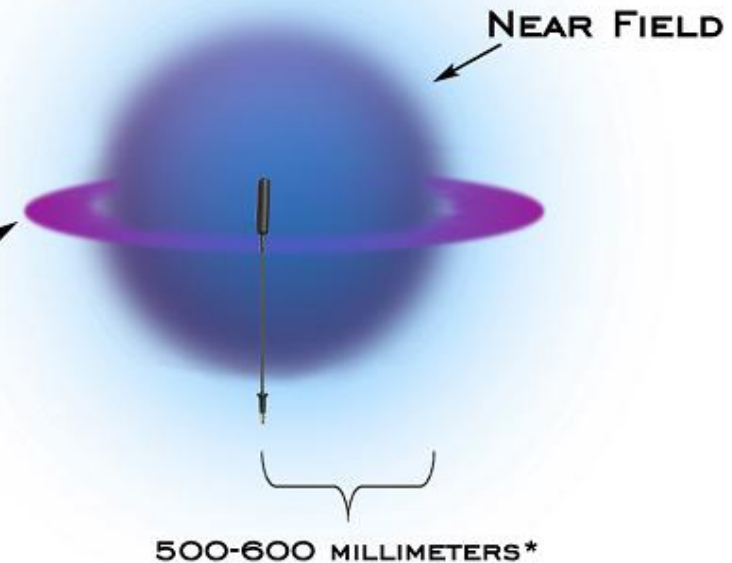
- Established in 2000
- Designs and manufactures proprietary high-performance antenna technology
- Listed on London's AIM market (March 2005)
- 40 employees
  - Sales and marketing
    - Direct sales resource in UK and US
    - Global sales distribution network
  - Manufacturing and R&D
    - Wellingborough, UK
    - Elcoteq - Tallinn, Estonia



## SARANTEL ANTENNA



## CONVENTIONAL ANTENNA



\* NOT TO SCALE

### Small near-field benefits:

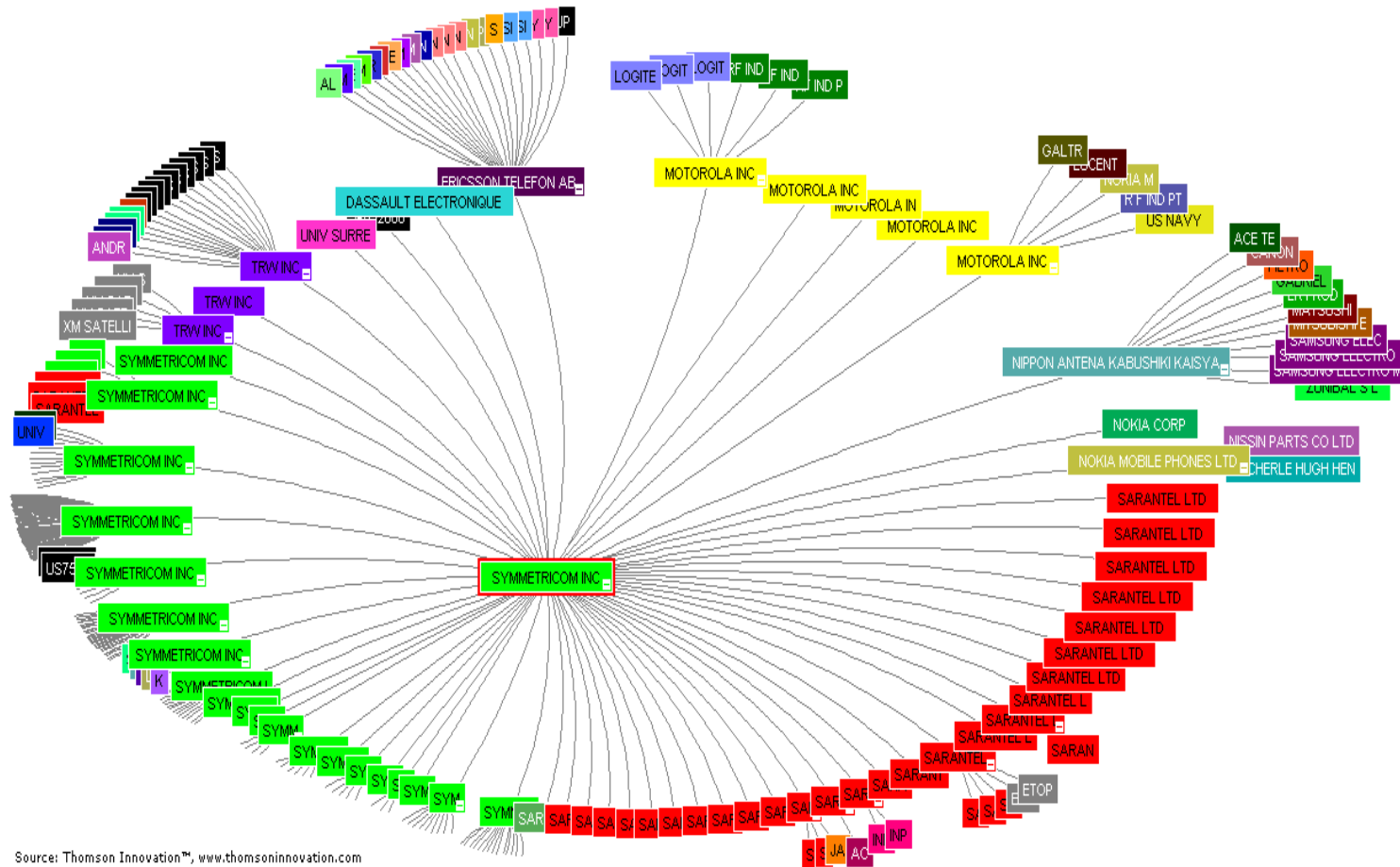
- Lower battery power consumption
- Easier integration into devices
- Less loss to human body

### Antenna types:

- Conventional: Patch, PIFA, Whip, Quadrifilar helix (air core)

# The foundation - strong IP

## Citation Map for patent GB2292638A - 4318 citations



# Rapidly diversifying antenna portfolio

**SL1204**  
SL1204R



SL1204SB



**SL1300**



SL1300EVK



**SL1203**

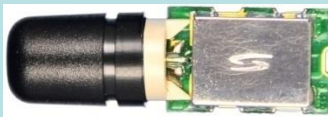
SL1203A/SL1203C



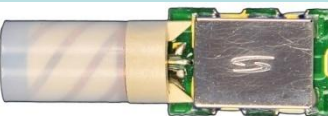
SL1203D



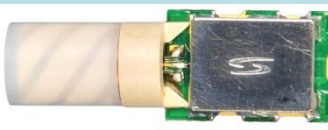
**SL1206**  
SL1206R



SL1206SA



SL1206SB



**SL1201/SL1202**

SL1201C/  
SL1202C



SL1201CS/  
SL1202CS



SL1202RH



**SL3101**  
SL3101SP



SL3101TJ



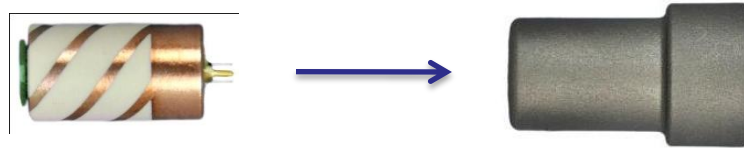
SL3101TP





# Location, location, location

- GPS technology is used in a large number of military, industrial and consumer applications
- The company is successfully executing its value-add strategy in military applications

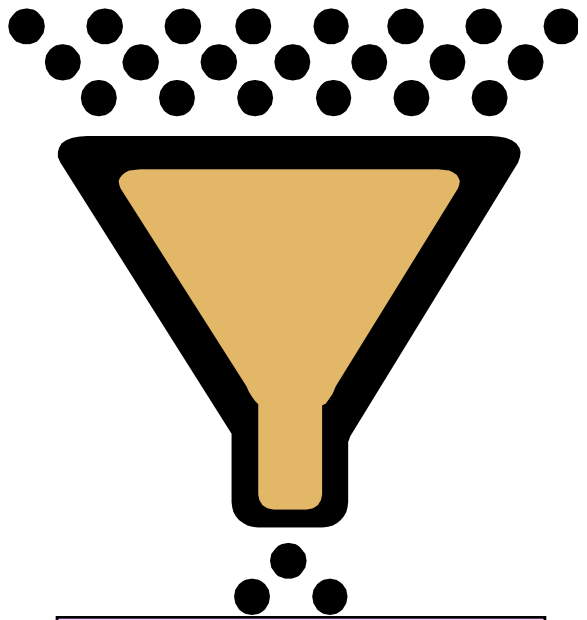


- Market for GPS antennas in consumer products (i.e. cameras & smartphones) represents significant growth opportunity

# Sales pipeline

Now  
May 2011

- Already shipped to 319 customers YTD (169 new)
- Tracking 129 active opportunities not yet in production
- \$25m sales value expected from opportunities



End of FY 2012

- 35% conversion = \$9m
- 25% conversion = \$6m
- 15% conversion = \$4m



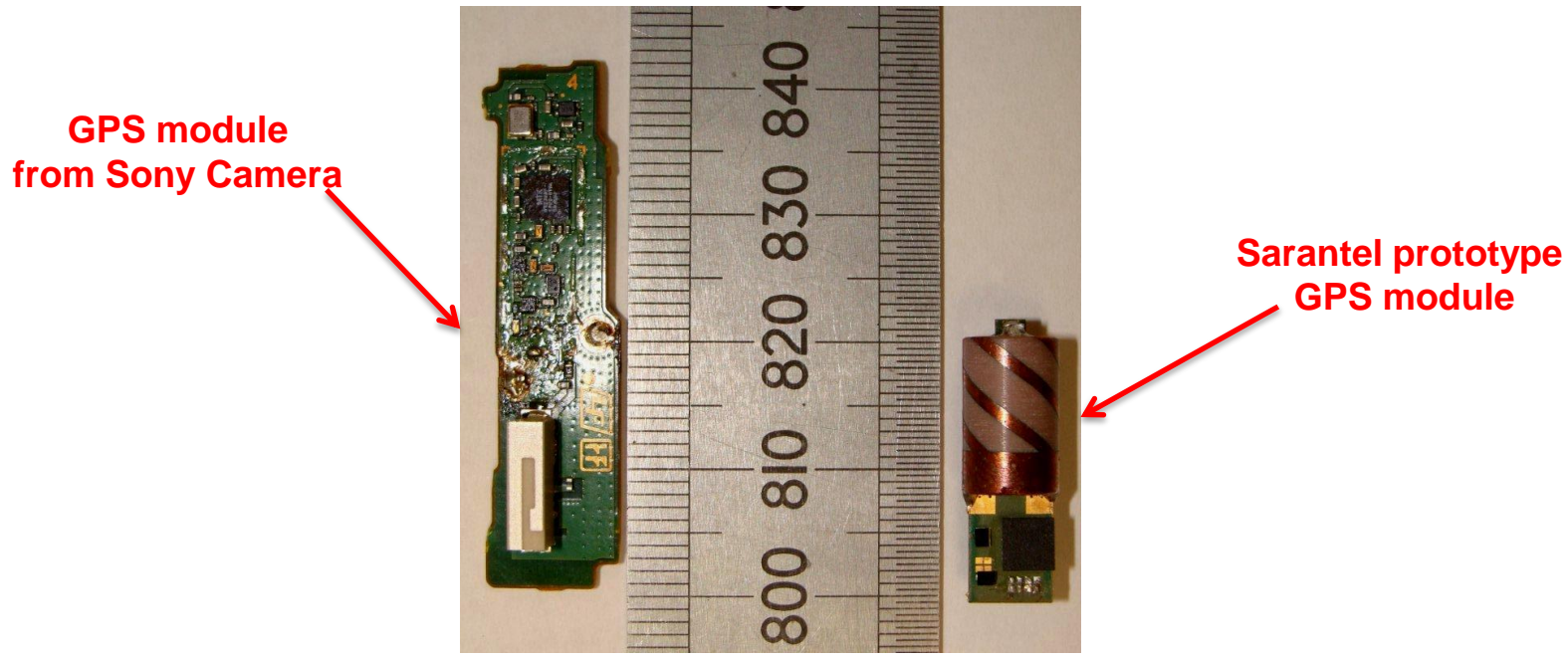
# Market drivers

- Facebook – Aug 10 launches 'Places' allowing users to 'check-in' and share mobile location
- Facebook – Nov 10 launches 'Deals', major mobile advertising initiative supported by 23 major corporations and 20,000 SMEs
- Google – May 10 completes \$750m acquisition of AdMob with focus on mobile advertisement
- Google Maps for Mobile 4.5 on Android operating system launched for pedestrian navigation Sep 10
- Apple – Jan 10 acquires Quattro Wireless for \$275m
- Apple – Aug 10 shifts focus to iAd platform
- Foursquare – Launched in Mar 09 by Oct 10 over 4m users



# GPS camera market

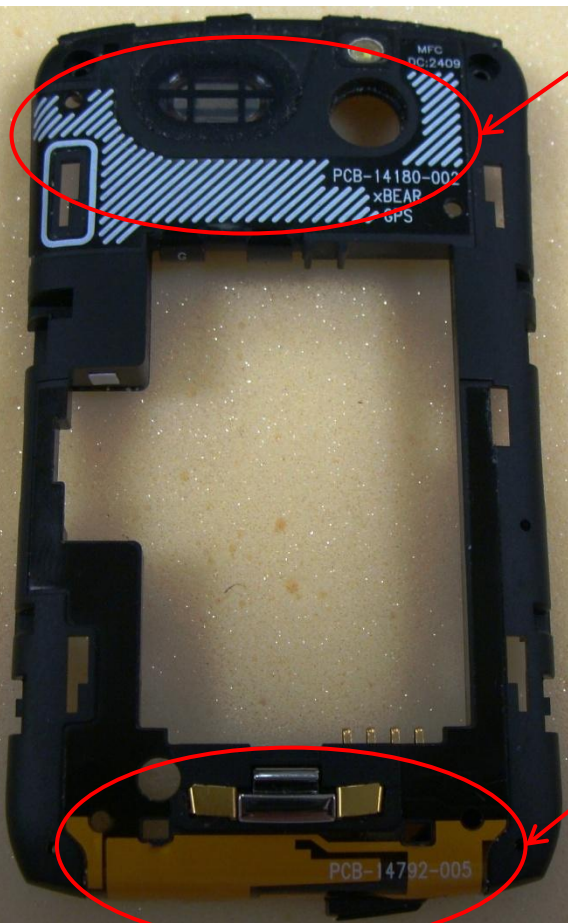
- Sarantel's solution occupies less space
- Next generation GPS/WiFi antenna increases size advantage and reduces cost disadvantage
- Internal investigation shows our technology significantly outperforms the incumbent antenna technology
- Provides more flexibility during integration





# GPS antennas in existing smartphones

Blackberry 8130



GPS

GPS/BT/WiFi Antenna

Cellular Antenna

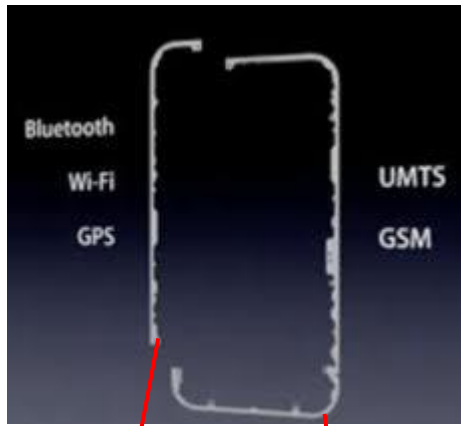
Nokia E72



SL1350 vs E72



iPhone 4



# Physics has not changed

- CTIA (industry body) released a new specification in April 2009 which stipulated, *for the first time*, that GPS antennas must be measured in the presence of the human body.
- Sarantel has conducted extensive internal testing using this test specification and have consistently demonstrated the dramatic performance advantages our technology provides.



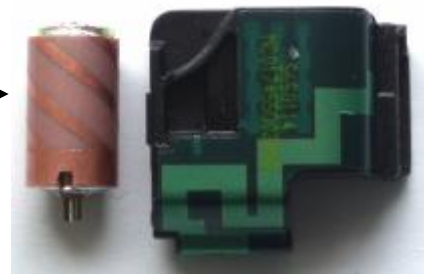
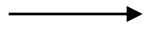
	Sarantel	TDK	Difference
Average gain RHCP	-8.9	-12.5	3.6dB (>2x better)



# Walk test results with modified Nokia N82 phone



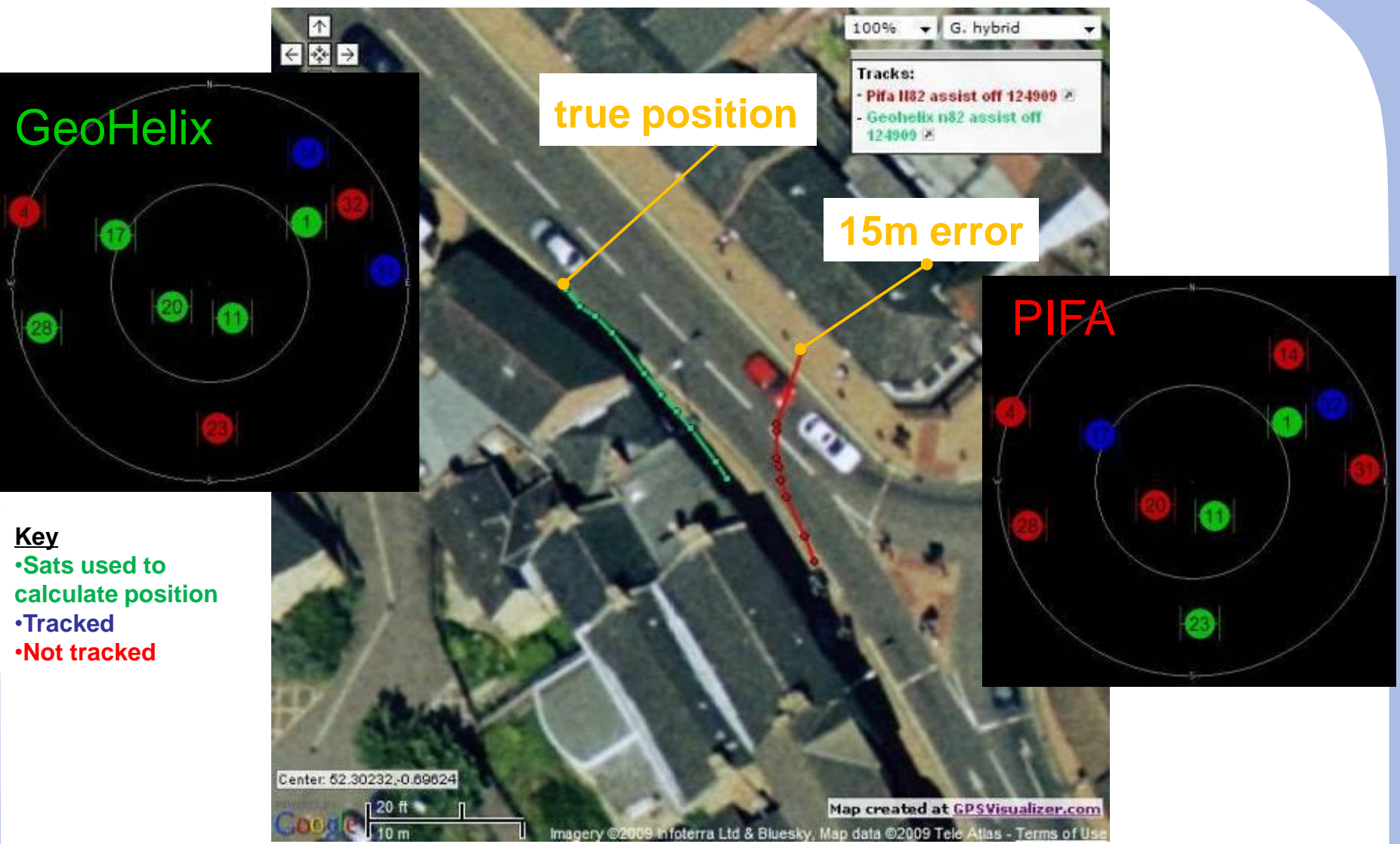
**LBS Pro**



**Original GPS PIFA**



# Positional accuracy improved by better gain pattern



**Key**

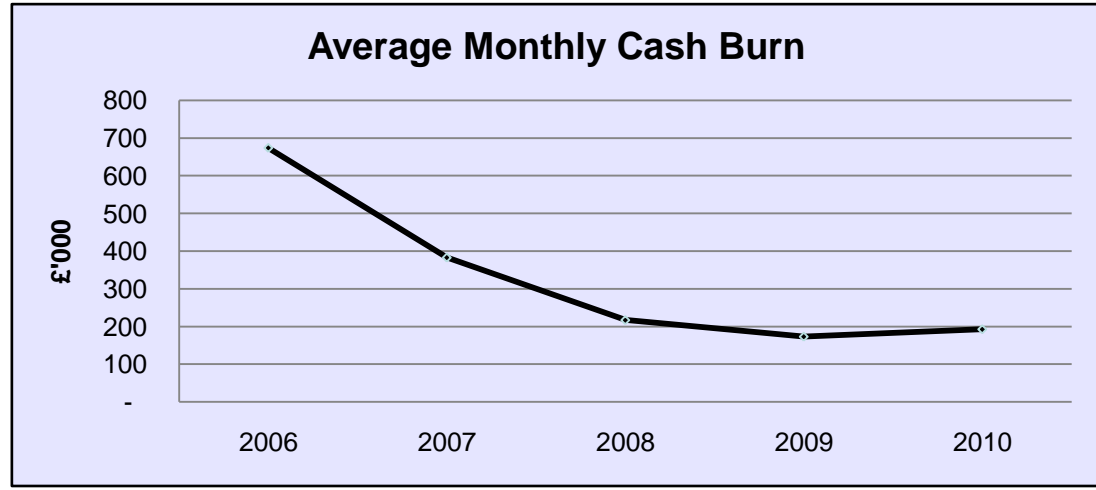
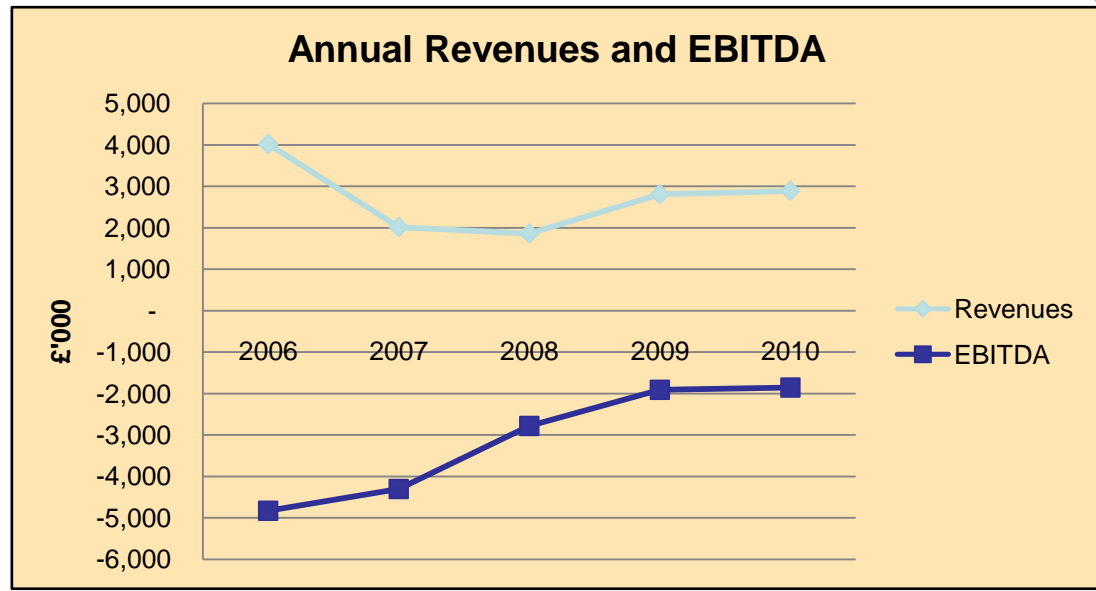
- Sats used to calculate position
- Tracked
- Not tracked

**PIFA tracks 3 satellites and has 2D fix, GeoHelix P3 tracks 5 satellites and has 3D fix**



# Financial Trends – 30 September 2010

- Improving Profit and Loss position
- Lower EBITDA and operating loss for fourth successive year
- Cash balance of £0.6 million
- Organisational restructure to achieve cost savings via Elcoteq



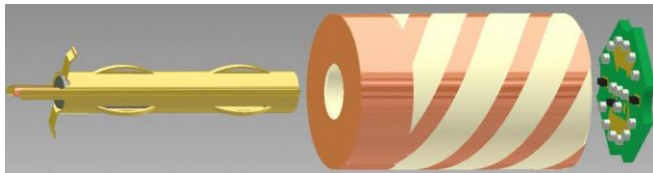
- Half year revenues £1.0m (2010: £1.4m)
- GPS revenues grew 1% despite largest GPS customer placing no orders in first half because of internal technical issues
- Military GPS revenues grew 26% and recent announcement with major military radio supplier is expected to generate revenues in excess of \$1m annually from Feb 2012
- Development revenues which grew 185% helping fund product development
- Cash balances of £0.4m, with a further £166,000 R&D tax credit received in April



- Production orders for rugged military L1/L2 GPS antenna received after unexpected customer delays
- Production orders expected from SELEX for rugged GPS antenna for military market
- Production orders received from Thales for 'active' GPS antenna for military radio
- Major military radio supplier awarded contract to Sarantel to develop and supply rugged antenna for high volume tactical radio program. Expected value of contract exceeds \$1m/yr to begin Feb 2012

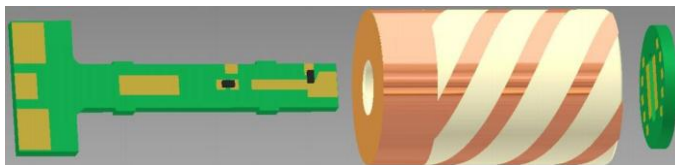
- Transfer of 'back-end' assembly processes completed successfully by mid-Nov
- Tangible benefits already seen with improving production yields and reduced scrap
- Credible production platform creates potential for new business model in high volume wireless module market
- Significant opportunity to reduce production costs and add functionality (GPS/WiFi) with next generation assembly process

**Current gen – 7 components single frequency (GPS only)**



**Total of 34 assembly steps**

**Next gen – 5 components for dual frequency (GPS/WiFi)**



**Total of 16 assembly steps**



# Board and largest shareholders

## Geoff Shingles, Chairman

- Chairman of Imagination Technologies Group plc
- Previously, Executive Chairman of Digital Equipment Co Limited

## David Wither, CEO

- Joined 2004
- Previously, Director at RF Micro Devices

## Dr. Oliver Leisten, CTO

- Founder
- Previously, Chief Scientist at Symmetricom Limited

## Nicola Malyon, CFO

- Joined 2009
- Previously, Director at Tingdene Homes Limited

## John Uttley, NED

- Previously, Finance Director of National Grid Group
- Chairman of the Audit Committee

## Philip David, NED

- General Counsel at ARM Limited
- Chairman of the Remuneration Committee

<u>(At 6 May 2011)</u>	<u>Number of</u> <u>Ordinary</u> <u>Shares</u>	<u>%</u>
Legal & General Investment Management	54,666,667	13.6%
Bob Morton - Hawk Investment	40,100,000	10.0%
Foresight Group	39,114,845	9.8%
MTI Managers Limited	33,640,646	8.4%
Hermes Pensions Management	32,205,334	8.0%
Brewin Dolphin Securities	19,300,091	4.8%
Mr Clive Richards OBE	19,016,700	4.7%
Seymour Pierce	17,852,128	4.5%
	<hr/> <hr/>	
	255,896,411	63.8%

- Momentum building in high value/military markets with successful execution of value-add strategy
- Macro trends in consumer markets continue to indicate demand for better GPS performance and accuracy
- Significant efficiency and leverage gained through outsourcing of 'back-end' production processes to Elcoteq
- New production process under development will enable the rapid development of lower cost antenna solutions

# Disclaimer

**The content of this promotion has not been approved by an authorised person within the meaning of the Financial Services and Markets Act 2000. Reliance on this promotion for the purpose of engaging in any investment activity may expose an individual to a significant risk of losing all of the property or other assets invested.**

This document and the verbal presentation based on it (together, the “Presentation”) has been issued by Sarantel Group PLC (“Sarantel” or the “Company”). The Presentation does not constitute or form part of any offer or invitation to sell or issue, or any solicitation of any offer to purchase or subscribe for, any shares in the Company nor shall it or any part of it nor the fact of its distribution form the basis of, or be relied on in connection with, any contract or investment decision in relation thereto.

No reliance may be placed for any purposes whatsoever on the information contained in the Presentation or on its completeness. No representation or warranty, express or implied, is given by or on behalf of the Company, Seymour Pierce Limited or any of such persons, directors, officers or employees or any other person as to the accuracy or completeness of the information or opinions contained in the Presentation and no liability is accepted for any such information or opinions.

The Presentation and its contents are confidential and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, in whole or in part, for any purpose and it is intended for distribution in the United Kingdom only to high net worth companies, unincorporated associations or partnerships, the trustees of high value trusts or to persons who have professional experience in matters relating to investments falling within Articles 19 and 49 of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005, as amended, or to those persons to whom it can otherwise lawfully be distributed (all such persons being referred to together as a “Relevant Person”). Any person who is not a Relevant Person should not act or rely on the Presentation or any of its contents.

The Presentation may contain forward looking statements which may differ from actual results, performance and achievements of the Company. By their nature, such forward-looking statements involve known and unknown risks, uncertainties and other important factors that could cause the actual results, performance or achievements of the Company to be materially different from future results, performance or achievements expressed or implied by such forward-looking statements. Such forward-looking statements are based on numerous assumptions regarding Sarantel’s present and future business strategies and the environment in which Sarantel will operate in the future. Any forward-looking statements in the Presentation speak only as at the date hereof and are subject to risks relating to future events and other risks, uncertainties and assumptions in relation to Sarantel’s operations, results of operations, growth strategy and liquidity. Subject to any legal or regulatory requirements, Sarantel expressly disclaims any obligations or undertaking to disseminate any updates or revisions to any forward-looking statements contained in the Presentation to reflect any changes in Sarantel’s expectations with regard thereto or any change in events, conditions or circumstances on which any such statement is based.

The Presentation should not be distributed, published, reproduced or otherwise made available in whole or in part by recipients to any other person and, in particular, should not be distributed to persons with an address in the United States, Australia, the Republic of South Africa, the Republic of Ireland, Japan or Canada or in any other country outside the United Kingdom where such distribution may lead to a breach of any legal or regulatory requirement. Neither this document nor any copy of it may be taken or transmitted into the United States, Australia, the Republic of South Africa, the Republic of Ireland, Japan or Canada or to any securities analyst or other person in any of those jurisdictions. Any failure to comply with these restrictions may constitute a violation of securities law in the United States, Australia, the Republic of South Africa, the Republic of Ireland, Japan or Canada. The distribution of this document in other jurisdictions may be restricted by law and persons into whose possession this document comes should inform themselves about, and observe, any such restrictions.

This document is confidential and should not unless otherwise agreed in writing by Sarantel or Seymour Pierce Limited be copied, distributed, published or reproduced (in whole or in part) or disclosed by recipients to any other person.

Seymour Pierce Limited, which is authorised and regulated by the Financial Services Authority, is advising Sarantel and will not be responsible to anyone other than the Company for providing the protections afforded to customers of Seymour Pierce Limited. Any other person should seek their own independent legal, investment and tax advice as they see fit. Seymour Pierce Limited has not authorised the contents of, or any part of, the Presentation and no representation or warranty, express or implied, is made as to any of its contents.