

Safe Harbour Statement



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Achievements 2016



Networks

- Market share gain in Ethernet test market; 400G wins
- Virtual and Cloud stress test solutions
- Positioning test system for vulnerability detection & assessment
- New security product (CyberFlood) and service (SecurityLabs)

Service Assurance

- Won deals for active test solutions in the network (Landslide)
- Completed analytics system deployment in Latin American operator
- Large sale to Tier 1 carrier for 100GbE probes

Wireless

- Wireless test platform (Elevate) for video and audio quality testing
- IoT device testing at Tier 1 carrier
- New highly-scalable channel emulator (Vertex)

Business Review



- Undertaken to accelerate progress on strategy
- Focus on areas most likely to deliver long-term earnings growth
- Sharp focus on target market opportunities that matter most to customers
- Achieve synergies in technical and customer offerings, sales reorganisation and streamlined management structure
- Three market focused segments
 - Networks & Security
 - Lifecycle Service Assurance
 - Connected Devices



Financial Summary



(\$ million)	2016	2015
Revenue	457.9	477.1
Gross profit	324.3	331.8
Operating profit ¹	46.5	42.1
Exceptional costs	(4.8)	(12.5)
Impairment	(69.1)	(3.8)
Other items	(13.7)	(15.7)
Reported operating (loss)/profit	(41.1)	10.1
Net cash	96.1	102.0
Adjusted EPS ^{1,2} (cents)	5.29	5.00
Dividend (cents)	3.89	3.89
Dividend (pence)	3.07	2.67

- Book to bill ratio of 103
- Gross margin improves to 70.8%
- Operating margin improves to 10.2%
- Tax rate 27%
- EPS up 6%
- Strong balance sheet maintained

⁽¹⁾ Before exceptional items, share-based payment, acquired intangible asset amortisation and impairment, goodwill impairment and acquisition related costs (2) Before impairment of investment in associate, prior year tax and tax on items in note (1)

Networks & Applications



(\$ million)	2016	2015 ¹
Revenue	259.4	244.0
Gross profit	178.3	170.0
Gross margin	68.7%	69.7%
Product development	(61.4)	(61.5)
Other expenses ²	(91.7)	(89.6)
Operating profit ²	25.2	18.9
Operating margin ²	9.7%	7.7%

- 6% revenue growth, continued strong demand for Ethernet in Cloud IP
- Cost focus driving improved operating margin
- Operating profit up 33%

Wireless & Positioning



(\$ million)	2016	2015 ¹
Revenue	118.5	137.2
Gross profit	85.6	97.1
Gross margin	72.2%	70.8%
Product development	(28.1)	(34.3)
Other expenses ²	(40.4)	(47.9)
Operating profit ²	17.1	14.9
Operating margin ²	14.4%	10.9%

- Strong growth in Positioning from increased government wins helped offset predicted slowing in demand for Wireless device testing
- Targeted cost actions taken to drive improved margin
- Operating profit up 15%

⁽¹⁾ Restated for changes to the Group's operating segments effective 1 January 2016 (2) Before exceptional items

Service Assurance



(\$ million)	2016	2015 ¹
Revenue	80.0	95.9
Gross profit	60.4	64.7
Gross margin	75.5%	67.5%
Product development	(22.2)	(22.5)
Other expenses ²	(26.5)	(28.1)
Operating profit ²	11.7	14.1
Operating margin ²	14.6%	14.7%

- Previous flagged decline in hand-held device sales, 17% revenue reduction
- Product mix drives increased gross margin
- Cost focus continues
- Operating margin held

⁽¹⁾ Restated for changes to the Group's operating segments effective 1 January 2016 (2) Before exceptional items

Cost Base



(\$ million)	2016	2015
Product development	111.7	118.3
Selling and distribution	125.4	127.2
Administration	40.7	44.2
Total overhead costs ¹	277.8	289.7

- External benchmarking deployed
- Sales reorganisation underway, complete during 2017
- 8 month pay back on restructure plan

Cash



(\$ million)	2016	2015
Operating profit ¹	46.5	42.1
Exceptional items charge	(4.8)	(12.6)
Depreciation, other amortisation and loss on disposal	20.2	26.9
Working capital movement	(3.9)	2.1
Provisions movement	(4.5)	2.6
Pension	(6.1)	(3.3)
Taxation	(4.7)	2.6
Net interest received	0.3	0.4
Net capital expenditure	(17.1)	(25.5)
Free cash flow	25.9	35.3
Dividends	(24.2)	(23.5)
Acquisitions and investment in associate	(2.7)	(6.7)
Exchange and other	(4.9)	(2.9)
Closing cash	96.1	102.0



Strategic Objective: Build a Smarter Future



We help our customers ...

Transform. Outperform.

By assuring they can ...







To accelerate time to market and improve product quality, security and visibility into network performance and customer experience

We provide ...

Products & Systems

Professional Services

To test, measure, validate and assure devices and networks at high-volume, high-speed, high density with complex traffic mix

By being best at ...

Test Methodologies

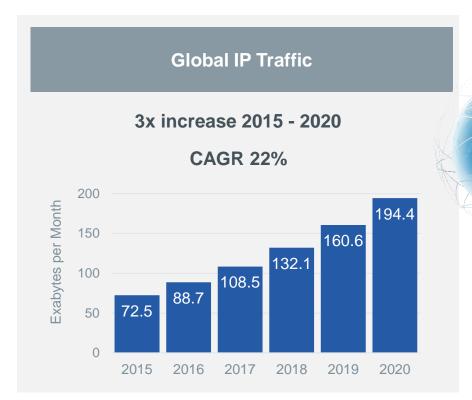
Active Test

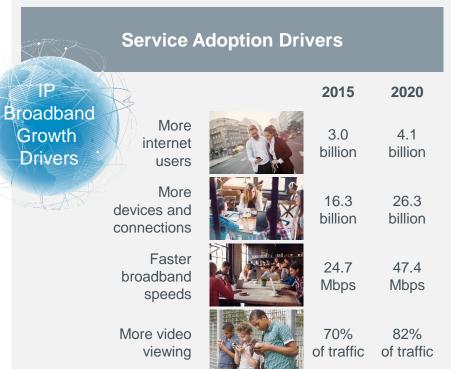
Analytics

Automation

Relentless Growth in Global IP Traffic



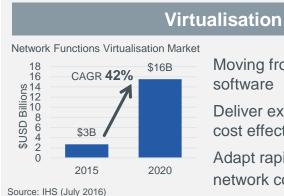




Source: Cisco VNI Global IP Traffic Forecast 2015-2020 (June 7, 2016)

Market Dynamics & Drivers

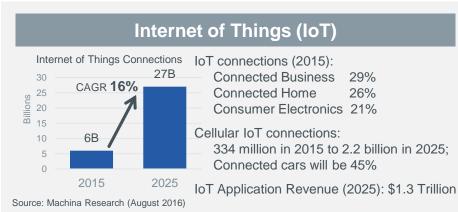




Moving from hardware to software

Deliver exponentially more data cost effectively

Adapt rapidly to changing network conditions

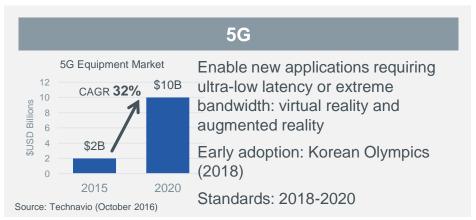




Computers vulnerable to attack: 99%

Cost of cyber-crime (global): \$100 billion per year

Increase in number of cyberattacks to organizations (USA): +176%



Organised for Sharp Focus on Target Market Opportunities



Networks & Security



Maximise opportunity driven by virtualisation and security.

Provide automated performance and security test systems to accelerate development of new devices, networks and applications.

Lifecycle Service Assurance



Maximise opportunity driven by virtualisation, mobile networks and the Internet of Things.

Provide active test and analytics solutions for service turn-up, network performance improvement and customer experience management.

Connected Devices



Maximise opportunity driven by the Internet of Things and 5G.

Provide automated test systems to accelerate the development of connected devices and to simplify connecting them to the network.

Our key objective is to leverage our technologies and capabilities to increase the long-term value of the business.



Networks & Security

Market \$1168M

Market Growth 10%

Revenue \$262M

Market Share 22%

Operating Profit¹ \$47.2M

Operating Margin¹ 18%

For 2016. Growth is CAGR 2016-2019

(1) Before exceptional items



























Test Methodologies





Professional Services



SecurityLabs



Custom Solutions

Spirent Products Automation Velocity & iTest TestCenter ← CyberFlood ←

yberFlood \longleftrightarrow Firewall/

GNSS Simulator Record & Replay

Satellite > Autonomous Vehicle

Router/

Device Under Test



Test Reports



Networks & Security



Ethernet/IP, Cloud & Virtualisation

Delivered double digit order and revenue growth



Developed first Quint-Speed High-Speed Ethernet product family covering 100G, 50G, 40G, 25G and 10G Ethernet

Developed industry's first 2.5G and 5G BASE-T Ethernet test solution

Won 400G deal at large equipment manufacturer

Launched TeMeVA: Software-as-a-Service (SaaS) solution for network and cloud testing



Drafted ETSI specifications for "Pre-Deployment Testing" and "Active Monitoring and Failure Detections"



Networks & Security



Cyber Security

Released security test tool

cyberflood

Launched security services business

securitylabs

Won key deals: Tier 1 network operator, leading security products companies & financial institution

| Company | Comp

Positioning, Navigation & Timing

Strong orders from US Government and in Asia

Launched new mid-range modular simulators (GSS7000), new Record and Replay solution (GSS6450) and Interference Detector (GSS100D)



Awarded Royal Institute of Navigation Duke of Edinburgh's Award for Technical Achievement



Lifecycle Service Assurance

Market \$804M

Market Growth 7%

Revenue \$99M

Market Share 12%

Operating Profit¹ \$11.2M

Operating Margin¹ 11%

For 2016. Growth is CAGR 2016-2019

(1) Before exceptional items













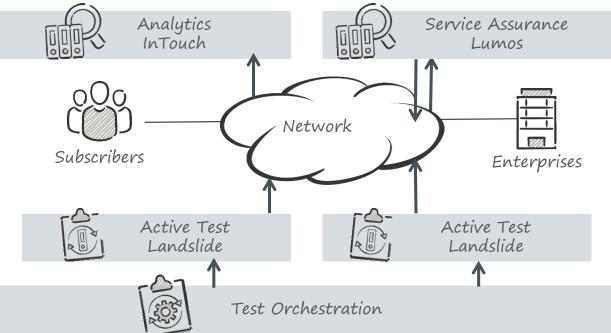


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Test and Assurance Methodologies





Lifecycle Service Assurance



Launched Lumos, service assurance system for automating service assurance workflows in hybrid networks. Example: 10X improvement in small cell site turn-up in large US carrier

Large sale to Tier 1 carrier for 100GbE probes

Completed InTouch CNA, customer & network analytics system Installed in large regional carrier in Mexico



Expanded mobile infrastructure test tools portfolio with high capacity server (LandSlide Core) & small-scale form-factor for active testing (LandSlide Edge)

Largest public mobile core test

Launched VisionWorks, combining active test and analytics, for proactive service assurance in mobile networks

Closed large deals with two Tier 1 carriers

Extraordinary Network Demands at Special Events Super Bowl LI





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verizon /









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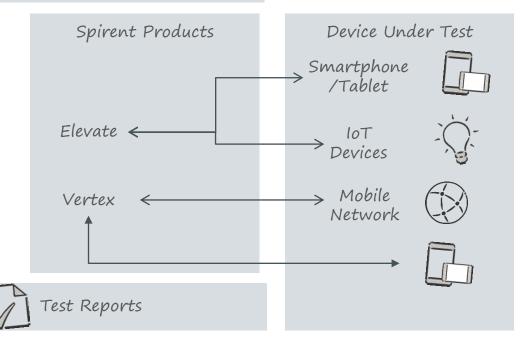




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Test Methodologies



Connected Devices

Market \$550M

Market Growth (3%)

Revenue \$97M

Market Share 18%

Operating Loss¹ (\$4.4M)

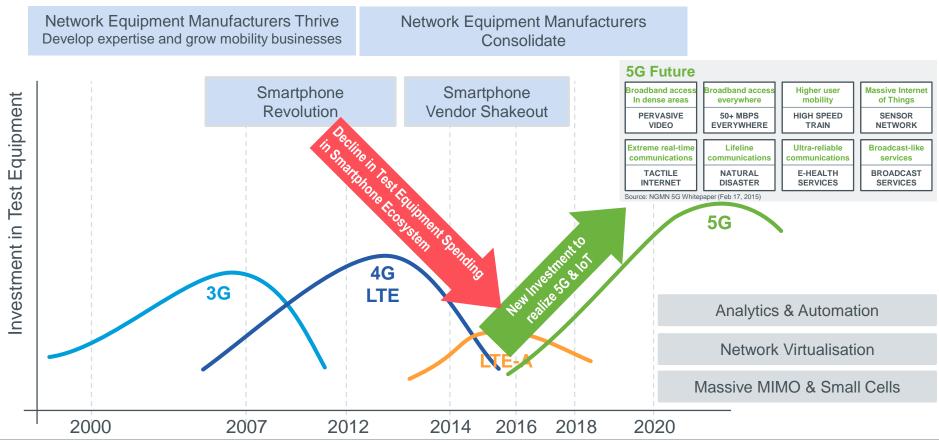
Operating Margin¹ (5%)

For 2016. Growth is CAGR 2016-2019

(1) Before exceptional items

Mobile Market Dynamics and Opportunity







Connected Devices



Expanded footprint for wireless device test product (Elevate)

- Won multiple deals in chipset vendors and carriers for video and audio quality testing.
- First to market solutions for the industry's new Enhanced Voice Services (EVS) highdefinition audio codec.

Won deal in large US carrier to reduce time & cost for IoT device testing (Elevate & Velocity)

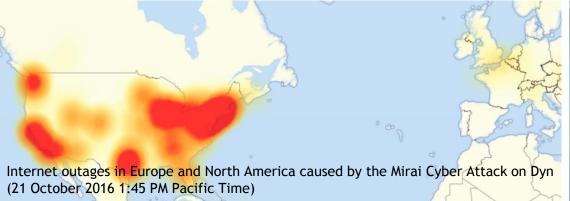
Launched scalable and modular channel emulator (Vertex)

Channel Emulators validated for industry's initial round of MIMO antenna performance evaluation to the new CTIA test plan

Severe IoT Distributed Denial of Service Attacks

SPIRENT.

Mirai Virus: October 2016 Dyn & November 2016 Deutsche Telekom











Spirent's Strengths: Why we win



Customer Relationships

We have strong, blue chip client relationships.

We work closely with customers to understand their business challenges and develop innovative solutions to meet their expectations.

We help some of the world's most innovative companies to develop products and manage their networks.

Our Technology & Core Competencies are Competitive Advantages

Expert position in the industry, differentiated in the market through our core competencies:

Test Methodologies



Active Test



Analytics



Automation



Our technologies and insights deliver first-to-market solutions for our customers.

Our product portfolio is among the strongest in the industry.

Summary





Sharp focus on target market opportunities that matter most to customers



Investment and product development roadmap aligned to key themes driving customers' plans and investments



Well-placed to develop its market leadership globally



Grow with development & deployment of high-speed Ethernet, virtualisation, security



Ready for active test and analytics in network, especially for virtualised network functions



Invest for next cycle driven by 5G and IoT



Confident to grow in 2017



New Segmentation



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2016

Networks & Applications

- Cloud/IP
- Application Security
- Mobile
 - Infrastructure
- Automation

Wireless & Positioning

- Wireless
- Developers Tools
- Positioning

Service Assurance

- Service Assurance
- Service Experience
- Customer
 Experience
 Management
- Device Intelligence

2017

Networks & Security

- Cloud/IP
- Application Security
- Positioning

Lifecycle Service Assurance

- Mobile Infrastructure
- Customer
 Experience
- Service
 Assurance
- Automation

Connected Devices

- Wireless
- Service Experience
- Device Intelligence
- Developer Tools

2016 Segment Results



	Old		Old		New	
(\$ million)	Revenue	Operating profit ¹	(\$ million)	Revenue	Operating profit ¹	
Networks & Applications	259.4	25.2	Networks & Security	262.2	47.2	
Wireless & Positioning	118.5	17.1	Lifecycle Service Assurance	99.2	11.2	
Service Assurance	80.0	11.7	Connected Devices	96.5	(4.4)	
Corporate	-	(7.5)	Corporate	-	(7.5)	
Total	457.9	46.5		457.9	46.5	

2016 KPIs



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Book to Bill (2015:101)

\$457.9m

Revenue (2015: \$477.1m) \$46.5m

Operating Profit⁽¹⁾
(2015: \$42.1m)

10.2%

Operating Margin⁽¹⁾ (2015: 8.8%)

\$25.9m

Free Cash Flow⁽³⁾ (2015: \$35.3m) 5.29c

Adjusted EPS⁽¹⁾⁽²⁾
(2015: 5.00c)

⁽¹⁾ Before exceptional items, share-based payment, acquired intangible asset amortisation and impairment, goodwill impairment and acquisition related costs

⁽²⁾ Before impairment of investment in associate, prior year tax and tax on items in note (1) (3) Operating cash flow after tax, net interest and net capital expenditure

Consolidated Income Statement



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	2016	2015
	\$ million	\$ million
Revenue	457.9	477.1
Cost of sales	(133.6)	(145.3)
Gross profit	324.3	331.8
Product development	(111.7)	(118.3)
Selling and distribution	(125.4)	(127.2)
Administration	(40.7)	(44.2)
Other items (1)	(87.6)	(32.0)
Operating (loss)/profit	(41.1)	10.1
Net finance costs	(0.4)	(0.1)
Share of loss of associate	(4.5)	(0.4)
(Loss)/profit before tax	(46.0)	9.6
Tax	3.7	3.9
(Loss)/profit for the year	(42.3)	13.5

Adjusted basic earnings per share

Basic	5.29	5.00
Diluted	5.29	4.98

(1) Other items comprises exceptional items, acquisition related costs, amortisation and impairment of acquired intangible assets, goodwill impairment, share-based payment, impairment of associate, tax on other items and prior year tax



Thank You

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