ARM Holdings plc Update – Q4 and FY 2004



Agenda

- Introduction Sir Robin Saxby
- Business Overview Warren East
- Financial Review Tim Score
- Q&A



Sir Robin Saxby Chairman



Chairman's Summary

- ARM® business robust
 - Momentum community / global standard
 - Strong license revenues
 - Record backlog levels
 - Royalty momentum
- Strong technology portfolio
 - ARM11[™] moving to mainstream licensing
 - Three partners for "Tiger" signed
 - OptimoDE[™] gaining traction
 - Competitive advantage recognised
- Extending regional influence
 - Excellent progress in China
 - Commercial & engineering growth in India
 - Bangalore HQ
- Strategic investment in 2004
 - Artisan acquisition to broaden IP offer
 - ESL tools capability through Axys acquisition
 - Software division established





Warren East CEO



2004 - Year of Growth & Execution

Growth

- Dollar revenues up 32% year on year
- 15 ARM11 licenses signed in 2004
 - 25 ARM11 licenses to date
- Order backlog 30% up end 04 vs end 03
- Unit shipments up 63% to 1.272 billion
- Operating margins up to 26% from 18%
- Headcount up to 1,171 from 740 at end 03
- ARM ecosystem
 - First ARM Developers' Conference Santa Clara
 - ARM Connected Community



2004 – Year of Growth & Execution

- Strategic Development
 - Tools portfolio extended to include electronic system level (ESL) design with Axys acquisition
 - Physical IP business created via acquisition of Artisan
 - Embedded Software division established
 - OptimoDE technology launched, gaining traction
- Regional expansion
 - Beijing office opened
 - Bangalore sales office opened and design centre acquired



2004 - Year of Growth & Execution

- Technology development and delivery
 - ARM11 MPCore[™]
 - Symmetric multiprocessing core
 - Enhances power efficiency and stretches performance to 2.6GOPS
 - ARM1176[™]
 - ARM11 processor with TrustZone[™] and Intelligent Energy Management (IEM) technologies
 - Technology delivered to lead partners
 - First ARM1176-based products shipped in 2005
 - ARM1156[™]
 - ARM11 processor with Thumb®-2
 - Highly efficient memory



Technology – Ongoing Innovation

- OptimoDE Data Engines
 - Configurable DSP programmable in C
 - Combines performance and power efficiency of hardwired logic with flexibility and programmability of microprocessor
 - Extends breadth of ARM processing from control across the DSP space
 - Digital Video Processing
 - Complementary to generic DSP solutions from ARM silicon partners
 - 4 licences by end 2004

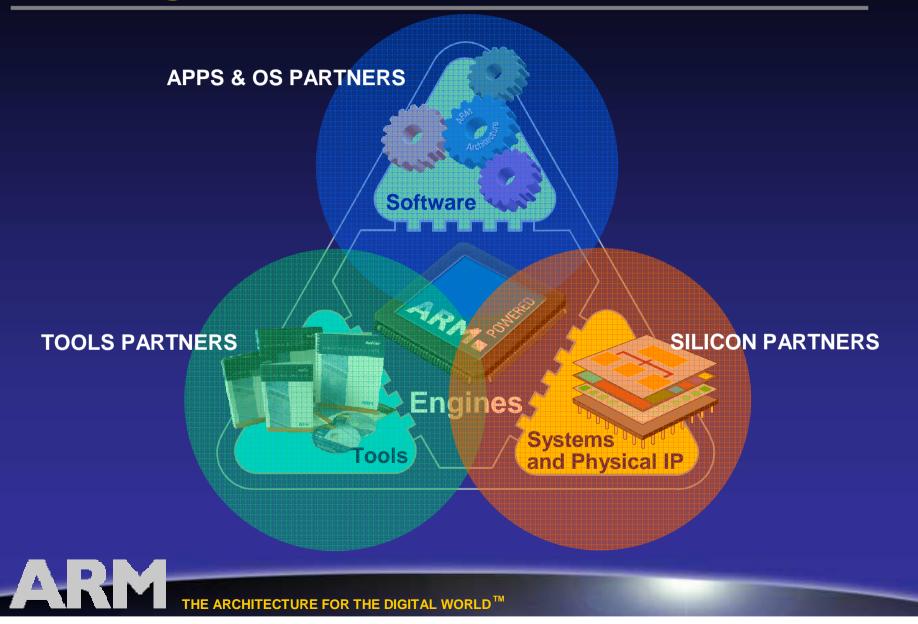


Technology – Ongoing Innovation

- Cortex[™] Processors
 - Launched October 2004 with Cortex-M3 for microcontrollers
 - Bringing new architectural developments to multiple performance points
 - Application, Real-time and Microcontroller series
 - High-performance "Tiger" processor approx. 1000 DMIPS
 - NEON[™] general purpose, floating point DSP extensions
- Other new products in development for 2005 launch



Strategic Context



Corporate Development - Artisan

- Acquisition completed December 2004
- Leader in libraries and other Physical IP
- Creates Physical IP division
- \$90 million business in 2004
- 347 people with design centres in Sunnyvale, San Diego and Bangalore
- Low power and high performance libraries
- Working with ARM on "Tiger" library and IEM low-power library
- Opportunity to realise combination of benefits
 - Revenue and cost synergies
 - Better products



Revenue Opportunities

Short term

- Extend ARM per-use license reach using Artisan sales channel and Axys models
- Artisan mixed-signal products extend ARM portfolio

Medium term

- 3rd party libraries help ARM Partners through cost reduction
 - Enable Partners to concentrate on key differentiators
 - Some big fabless and increased use of fab-lite approach

Longer term

- Facilitates development of better ARM products through technical synergy
 - "Tiger" library
 - IEM



Corporate Development - Axys

- Acquisition completed August 2004
- Leading Electronic System Level (ESL) tools provider
- ESL design
 - High-growth, emerging area of the System design space for the next 3-5 years
- Rapid accurate System modelling enables optimum hardware / software system design evaluation and trade-off
- ARM ESL tools integrate with ARM RealView[™] software development environment



ARM Developers' Conference

- Santa Clara, California
- October 19 21 2004
 - More than 2000 attendees
 - 90+ exhibitors & sponsors
- Format
 - Presentations
 - 8 parallel tracks of papers
 - 180+ papers
 - Panel discussions
 - Hands-on labs
 - Sponsorships and events



CONFERENCE '04







ARM Connected Community













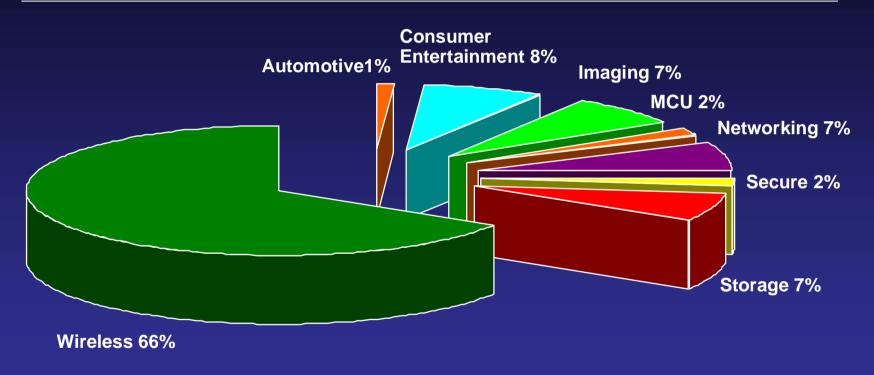


Thousands of Physical IP Users



Q4 Royalty Analysis

Units Shipped in Q3 2004 by Segment





Imaging / Networking



HP Deskjet 5850



Draytek Vigor2600G ADSL Router



HP mp3220 Digital Projector



Lexmark P315 Photo Printer



IBM xSeries 235 Enterprise Server (3x ARM processors)



InFocus LP600 Projector



Automotive / MCU / Storage



BIAC Portable Medical Electric Muscle Stimulator



Verbatim Store 'n Go Pro DiskOnKey



TritonFT5000 ATM



Navman iCN 630 GPS



Fujitsu MH Series Mobile HDD



Tom Tom Go GPS 3D



Wireless



Sony Ericsson P910 SmartPhone



Nokia 9500 Communicator



i-mate PDA2k



BenQ P30, SmartPhone



Lipman Point-of-Sale Terminal



Panasonic X700 Phone



Verifone Vx 510/Vx 610
Countertop Multi
Application Terminal



Motorola A1000 Phone



Consumer - Audio & Video



Toshiba 52HM84
DLP Television



Kiss DP-1000 DVD Player



Samsung HLP5685W DLP TV



Dish Network
Dishpro 111



Dave Networks Xport Media Receiver



RCA HD61THW263 Thin DLP HDTV



Consumer





Tapwave Zodiac2 Multimedia Palm & Portable Gaming Device



Virgin 5GB MP3 Player



Mattel Juice Box Personal Media Player



Deja View Camwear 100



Swatch "Paparazzi"
Wrist Watch



Summary

- Ongoing focus
 - Core expertise
 - Low-power system design; standards; Partnership
 - Generic IP of the highest value
 - "standards capable"
- 2005 priorities
 - Integration of Artisan ARM Physical IP
 - Delivery of "Tiger" to initial licensees
 - RealView tools enhancements and further ESL tools integration
 - Effective utilisation of Bangalore design centre



Summary

- Outlook
 - Changing technical and economic climate
 - Royalty growth
 - Wireless
 - Microcontroller
 - Consumer
 - First ARM1176-based products shipped
 - Steady growth in licensing revenues
 - Revenue to grow faster than overall industry
 - Broad technology portfolio
 - Royalty momentum
 - Good backlog



Tim Score CFO



Q4 2004 – Financial Highlights

- Record total dollar revenues at \$74.7 million
 - Up 7% Q on Q
 - Up 31% year on year
- \$ licensing revenue at \$28.8 million
 - Up 13% Q on Q, with 19 licenses signed in Q4
- \$ royalty revenues at \$29.4 million
 - Record 367 million units shipped
- Operating margin (excluding non-recurring and acquisition-related charges) at 28.0%
 - Up from 22.4% in Q4 2003
- Backlog grows strongly
 - Approx 15% sequentially
 - Approx 30% higher at end 04 vs end 03
- Strong cash generation
 - £10.1 million generated in ARM stand-alone business



Quarterly Results Summary

	Q404 (£MM)	Q304 (£MM)	Q204 (£MM)	Q104 (£MM)
Total revenues	41.5	39.4	36.9	35.0
US\$ revenues	74.7	70.1	65.3	62.3
Operating profit	11.6	11.8	8.8	7.9
Mgn (%)	28.0%	30.0%	23.8%	22.6%
PBT – U.S. GAAP	13.5	13.7	10.4	9.4
EPS – U.S. GAAP (p)	1.19	0.96	0.70	0.64
Net cash	142.8	174.6	166.3	158.9

Figures exclude non-recurring and acquisition-related charges of £8.2m in Q404 and £0.4m in Q304

Summary Balance Sheet - 31 Dec '04

Consolidated ARM and Artisan	31 Dec 04
	£MM
Assets	
Cash	142.8
Trade debtors	34.3
Other debtors, inventory and investments	48.0
Property and equipment	14.1
Goodwill	339.7
Other intangibles	74.6
Total assets	653.5
Liabilities & shareholders' equity	
Deferred revenue	21.4
Other creditors	79.8
Shareholders' equity	552.3
Total liabilities & shareholders' equity	653.5



2005 Acquisition-Related Charges

	Q1 05	Q2 05	Q3 05	Q4 05
	£MM	£MM	£MM	£MM
Artisan intangibles amortisation	3.8	3.8	3.8	3.8
Other acquired intangibles amortisation	0.1	0.1	0.1	0.1
Deferred compensation	2.0	1.7	1.4	1.0
Total charges	5.9	5.6	5.3	4.9

Total 2004 acquisition-related charges: £4.2 million



Impact of IFRS on ARM

- Market consensus for ARM based on US GAAP
 - IFRS results reported at half and full year
- Stock options
 - IFRS 2 fair value of employee stock options charged to P/L
 - Currently note disclosure only under US GAAP
- Goodwill
 - No amortisation, regular impairment reviews
 - Consistent w/US GAAP

- Other intangibles
 - Amortised as per US GAAP
 - IPRD capitalised under IFRS, written-off under US GAAP
- Capitalisation of R&D
 - Expect to continue to write-off as incurred
- Revenue recognition
 - IFRS moving closer to US GAAP



Cash Flow Summary

£MM – U.K. GAAP	2004	Q4 04
Operating activities	50.8	17.3
Interest	7.2	2.5
Tax	(11.6)	(3.4)
Capital expenditure	(5.4)	(2.0)
Acquisitions	(50.4)	(43.6)
Dividend	(9.0)	(2.9)
Other	1.4	0.3
Cash flow	(17.0)	(31.8)
Opening cash	159.8	174.6
Closing cash	142.8	142.8

£MM – U.K. GAAP	2004	Q4 04
Operating profit	35.2	6.8
Depreciation and amortisation	14.7	4.2
Movements in working capital	1.3	6.3
Investments	(0.4)	0.0
Operating activities	50.8	17.3



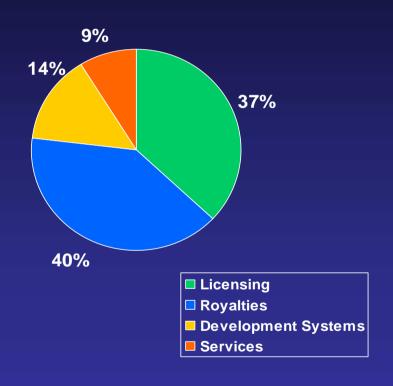
Cash Flow from Acquisitions

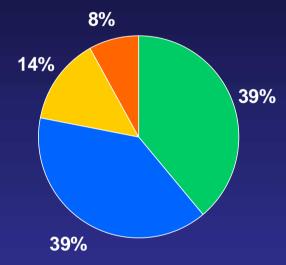
	2004	Q4 04
	£MM	£MM
Cash component of Artisan consideration	(122.3)	(122.3)
Artisan cash acquired	82.6	82.6
Fees and expenses paid pre-year end	(3.9)	(3.9)
Axys consideration	(6.9)	-
Axys cash acquired	0.1	-
Net cash impact of acquisitions	(50.4)	(43.6)



Revenue Split

Q3 2004 Q4 2004

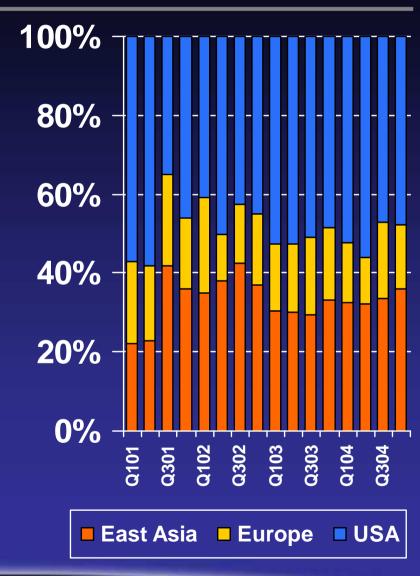






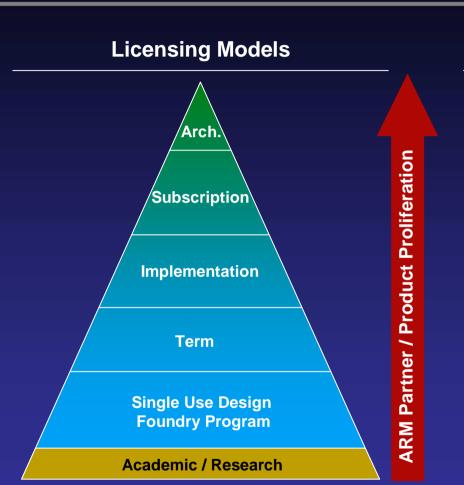
Geographic Spread

- Revenues Q404
 - 48% USA (47% Q304)
 - 36% Asia (34%)
 - 16% Europe (19%)
- Bookings Q404
 - 49% USA (45% Q304)
 - 39% Asia (34%)
 - 12% Europe (21%)

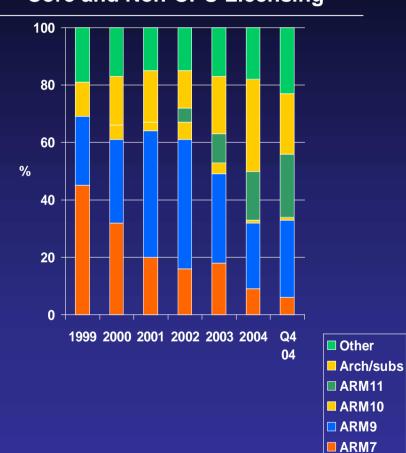




Licensing Analysis



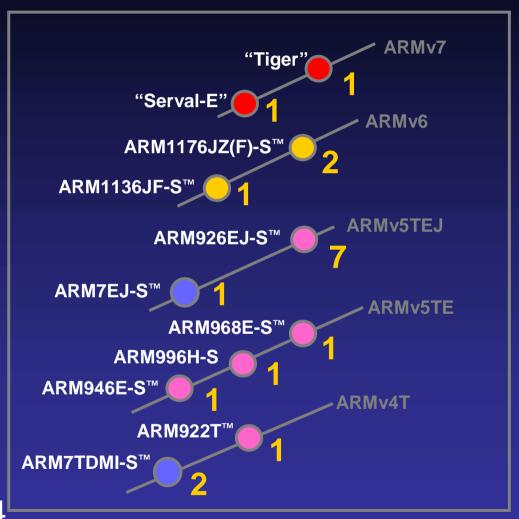
Core and Non-CPU Licensing





Core Licensing – Q4 2004

- Q404: 19 licenses
- 4 new partners
 - 4 x per use ARM926EJ-S[™]
 - 1 x per use ARM922T[™]
- 9 existing partners
 - 8 derivatives
 - 3 x ARM7[™] family
 - 5 x ARM9[™] family
 - 6 upgrades
 - 1 x ARM9 family
 - 3 x ARM11[™] family
 - 1 x "Tiger"
 - 1 x "Serval-E"
- 140 Partners at end Q404





Core Licensing – Cumulative





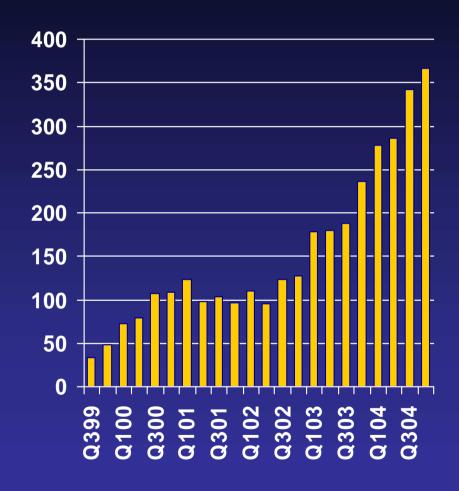
Royalties – Q4 2004

- 367 million units shipped by our partners in Q3
 - Reported by ARM in Q4
- Total 04 unit shipments up 63% Y on Y
 - 1,272 million (03 782 million)
 - 405 million outside Wireless
 - More than 3x 2002
- Record royalty revenues in Q4
 - \$29.4 million (\$28.6 million in Q3)
- Number of partners shipping at 60 (out of 140)
- Q4 average royalty rate at 8.0 cents
 - FY 04 rate at 8.4 cents (03 9.1c, 02 8.3c)
 - ARM9 accounts for 24% of total shipments
 - ARM926 accounts for circa 3% of total shipments



Royalties

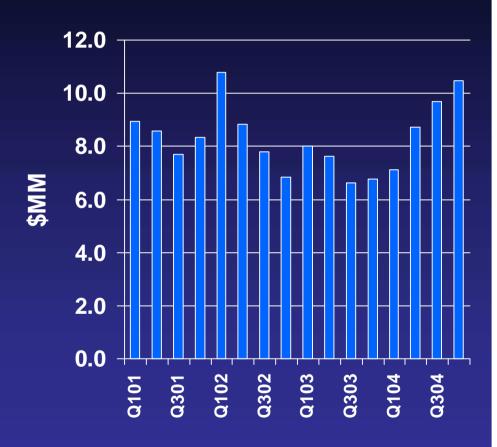
	Q104	Q204	Q304	Q404
Roy.Revs (£MM)	13.4	13.9	16.0	16.3
% of Revs	38%	38%	40%	39%
Units (MM)	278	286	342	367
No.shipping	63	59	59	60
Roy.Revs (\$MM)	24.1	24.9	28.6	29.4





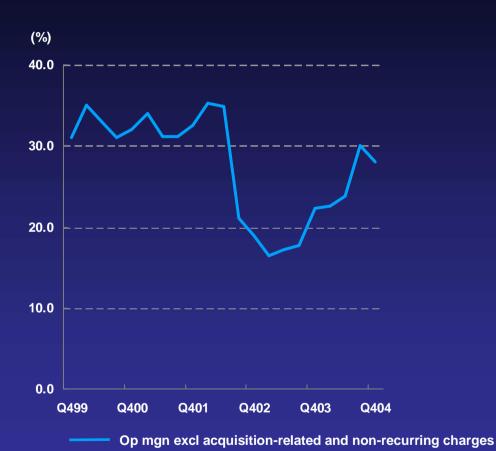
Development Systems

- Sales in Q404
 - 44% (28%) USA
 - 32% (35%) Asia
 - 24% (37%) Europe
- 14% of total revenues
- 42% revenues through distribution





Operating Margin



	Q204	Q304	Q404
R&D (%)	33.4%	33.0%	31.4%
R&D (£MM)	12.4	13.0	13.0
SG&A (%)	36.0%	29.8%	31.6%
SG&A (£MM)	13.3	11.8	13.1
Op Mgn (%)	23.8%	30.0%	28.0%

Values as percentage of sales

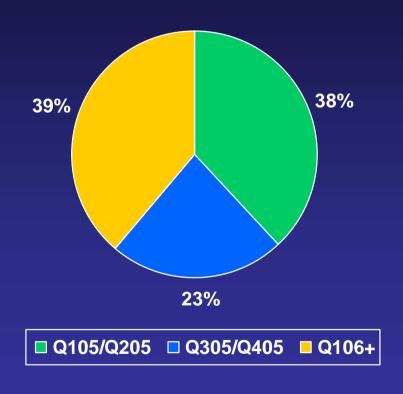
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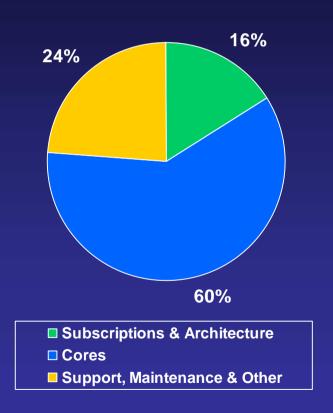


Backlog – ARM stand-alone

Backlog by Maturity Profile

Backlog Composition







Outlook

- Little or no growth expected in overall semiconductor industry in 2005
- Results exposed to further dollar weakness
 - Dollar revenues > 90%
 - Dollar cost base circa 45%
- Both ARM and Artisan underlying businesses expected to grow by at least 20% year on year
 - Good backlog
 - Healthy sales pipeline
 - Royalty revenue momentum
- Merger integration well advanced
 - Enlarged group positioned to access combination benefits



Q&A

