

### **Tandberg Data, fourth quarter 2006**

February 8, 2007 Felix Konferansesenter Oslo



interim results

## **Agenda**

### **Highlights**

Financial and operational review

**Summary and outlook** 

### **Appendix**

- Financials
- The Exabyte acquisition
- Company information

### Back in black

### Highlights

#### Financials

 Group revenue growth of 60 per cent to USD 46.3 million compared to Q4 2005

Non-recurring revenue items:

Sale of www.tandberg.com for USD 1.5 million

 Operating profit before depreciation of USD 5.1 million IFRS adjustments:

Positive effect by USD 1.1 million

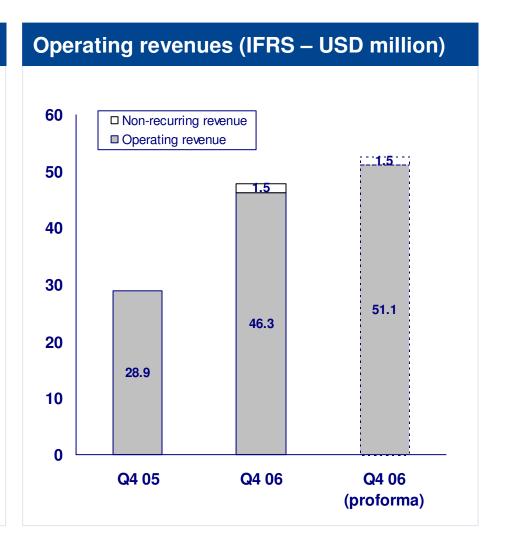
- Positive gross margin development in quarter - 25.9 per cent

#### Acquisition

- Acquisition of Exabyte completed on November 17
- Cost synergies are achieved in accordance to plan
- Bond issue first and second tranche totalling NOK 155 million is successfully placed (Q4 06/Q1 07)

#### Other

- RDX: A total of 6 700 single drives and drive and cartridge kits sold in the fourth quarter
- Successful qualification by OEM
- Introduction of StorageLoader LTO-3 in automation products



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# Key figures in fourth quarter

### **Income statement (IFRS)**

USD million	Q4 06	Q3 06	Q2 06	Q1 06	Q4 05	FY 06	FY 05
Sales revenue	46.3	29.2	30.6	30.5	28.9	136.6	100.4
Gross profit	12.0	6.5	6.5	7.8	6.7	32.8	25.0
Gross margin (%)	25.9%	22.5%	21.3%	25.5%	23.0%	24.0%	24.9%
Non-recurring revenue	1.5	0.0	0.0	0.0	0.0	1.5	0.0
Total revenue	47.8	29.2	30.6	30.5	28.9	138.1	100.4
Operating profit before depreciation	5.1	-1.4	-6.0	0.7	-1.2	-1.6	-4.7
Operating profit	2.4	-3.6	-6.8	0.0	-2.3	-7.9	-7.8
Pre-tax profit	1.4	-4.0	-9.0	-0.5	-2.5	-12.1	-7.9

# **Key proforma figures**

### **Income statement (proforma)**

USD million	Q4 06	Q1 - Q3 06	FY 06	FY 05
Sales revenue	51.1	144.6	195.8	191.4
Gross profit	14.1	37.8	51.9	59.2
Gross margin (%)	27.6%	26.1%	26.5%	30.9%
Non-recurring revenue	1.5	0.0	1.5	0.0
Total revenue	52.7	144.6	197.3	191.4

# Cash flow influenced by Exabyte acquisition

### **Cash flow statement (IFRS)**

USD million	Q4 06	Q3 06	Q2 06	Q1 06	Q4 05	FY 06	FY 05
Net CF operating activities	-2.4	-0.9	-0.3	-2.6	-4.8	-6.3	-9.7
Net CF investing activities	-30.8	-0.8	-1.3	-1.5	-5.9	-34.3	-11.9
Net CF financing activities	23.2	-1.5	17.6	-0.3	12.9	39.0	23.5
Net change in cash	-10.0	-3.1	16.0	-4.4	2.1	-1.6	1.9
Opening cash balance	17.4	20.6	4.5	9.0	6.8	9.0	7.0
Closing cash balance	7.4	17.4	20.6	4.5	9.0	7.4	9.0

## Financing secured

### **Shareholders equity (IFRS)**

USD million	2006	2005
Equity at beginning of period	34.2	29.0
Share issue	0.0	14.3
Share based payment	0.0	0.1
Acqusition of minority Inostor	0.0	-1.1
Net transactions own shares	0.0	1.2
Profit/loss for the period	-11.7	-8.3
Exchange rate differences on translating foreign operations	-0.5	-1.0
Equity at end of period	22.0	34.2

### **Overview equity / funds**

#### **Share capital:**

- USD 34.2 million
- Number of shares: 46 923 233

#### **Management stock options:**

- Number of options: 3 300 000 (December 2006)
- Option program expires Q3 2009

#### **Warrants**

- Number of shares: 5 000 000 (Cyrus Capital June 2006)
- Expire June 2010

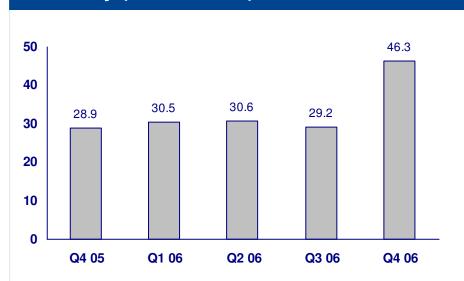
#### **Convertible bond**

- Senior Unsecured Convertible Bond Issue; November 2006 NOK 130 million, February 2007 NOK 25 million
- Number of shares: 22 142 857
- Equity: NOK 48 714 285
- Conversion up to November 2011

Full conversion to equity would reduce future interest cost by approximately USD 2.2 million per year

## Strong growth in revenues

### **Quarterly (USD million)**



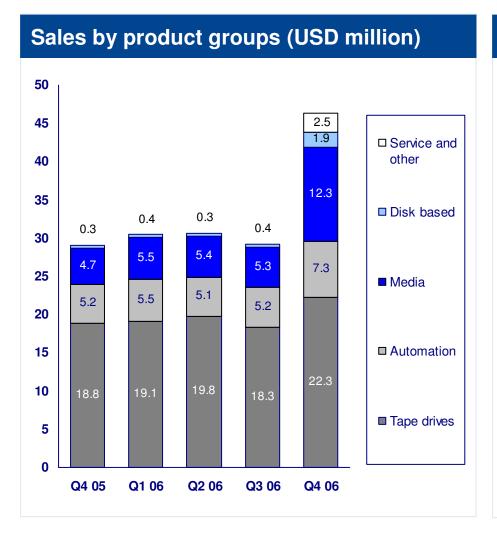
- Revenue growth of 60 per cent to USD 46.3 million compared to Q4 2005
- Revenue from the former Exabyte business of USD 14.3 million

### 12 months rolling (USD million)



- Positive revenue growth
  - New automation products
  - New VXA tape drive
  - New RDX disk solution

# Sales growth in all product groups

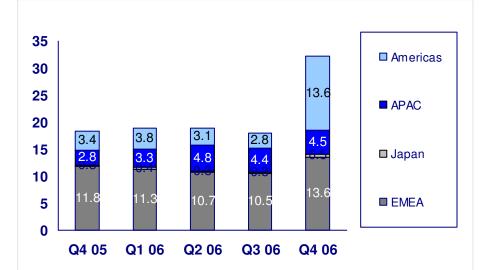


#### **Comments**

- Tape drives growth by 22 per cent
- Automation growth by 40 per cent
  - New automation products
  - Automation products from Exabyte
- Media growth by 131 per cent
  - VXA
- Significant growth in disk based products
  - RDX®QuikStor was successfully launched on the last day of the third quarter
  - RDX®QuikStor shipments to OEM started medio November 2006

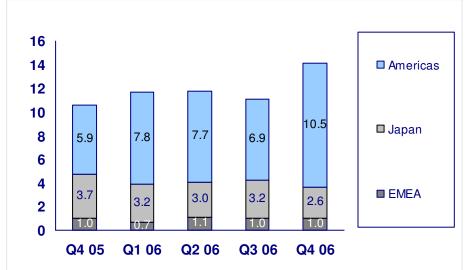
## **Exabyte lifts channel sales**

#### **Quarterly – Channel (USD million)**



- Strong growth in channel sales, mainly due to the Exabyte acquisition
- Sales through distributors 70 per cent of total revenues in fourth quarter
- Stronger position in the US channel expected

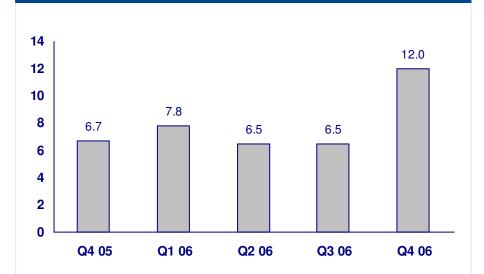
### **Quarterly – OEM (USD million)**



Significant increase in OEM sales

# **Upward margin trend continues**

#### **Quarterly (IFRS – USD million)**



- Gross profit increase by USD 5.5 million from Q3 06
  - New product mix following the Exabyte acquisition
  - Increased sale of automation products
  - Launch of RDX

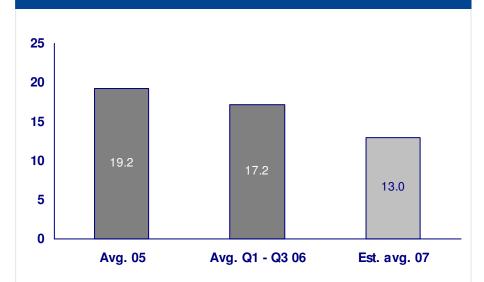
#### **Quarterly (IFRS – % of total revenue)**



- Growth in gross margin from the fourth quarter 2005 to 2006 by 2.9 percentage points
- Excluding the Exabyte products, the gross margin improved from 22.5 in the third quarter to 23.0 per cent
- Further gross margin increase expected due to the new product mix, strengthened market access in the US and cost of goods reductions

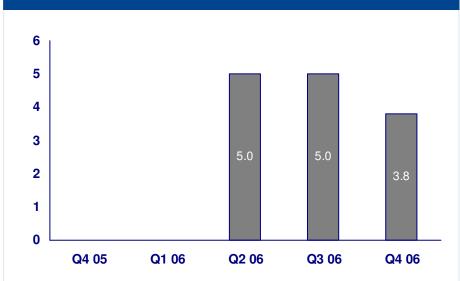
## Further cost reductions expected

#### **Quarterly operating costs (proforma USD million)**



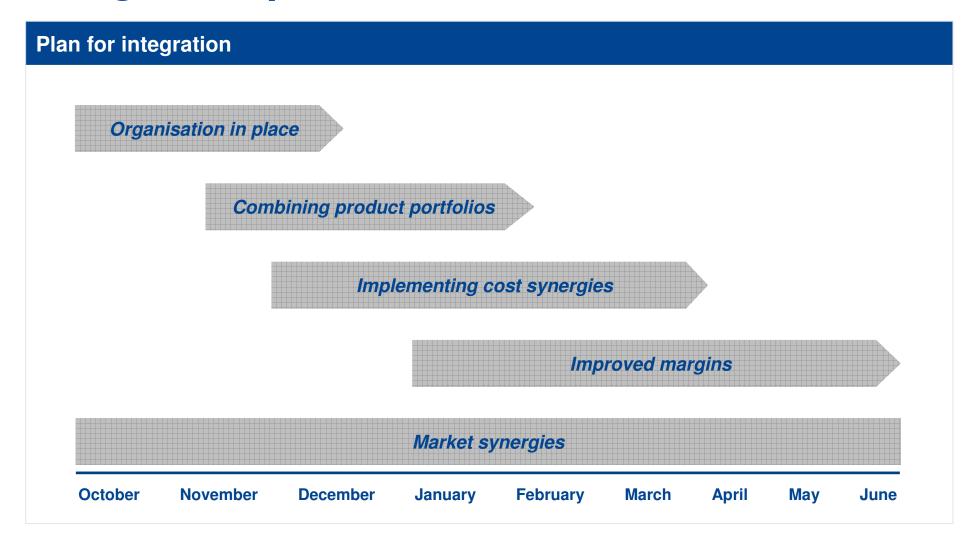
- Operating costs were USD 8.4 million in the fourth quarter 2006, compared to USD 7.8 million in the fourth quarter 2005
- The increase in the company's cost level reflects the purchase of the former Exabyte business, effective from November 17, 2006
- The costs in the fourth quarter are positively affected by IFRS adjustments of USD 1.1 million
- Going forward, a quarterly cost of approximately USD 13 million can be expected

#### **Restructuring provisions (USD million)**



- Cost of sales: USD 0.4 million
- Other operating expenses: USD 0.8 million
- Remaining provisions:
  - New supply chain system
  - Group IT platform and infrastructure
  - Further headcount reductions

# Integration process on track



# **Executing on the integration plan**

Cost synergies measures	Started	Completed
Headcount reductions		
Coordinating main support functions		
Centralized R&D function to Boulder		
Facility reductions		
Efficiency of sales & marketing		

# Significant revenue synergy potential

Revenue synergies – key measures	Started	Completed
Integrated product roadmap		
Integrated sales organisation		
New product management organisation		
Worldwide marketing organisation		
Margin improvements		

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- Financials
  - Strong growth
  - Margin improvement
  - Non-recurring items

#### Acquisition

- Acquisition of Exabyte completed
- Integration plan on track
- Cost synergies in accordance to plan
- Financing secured

#### Other

- Successful introduction of RDX
- Successful qualification by OEM
- Introduction of StorageLoader LTO-3 in automation products

#### Outlook

- Expected revenue for 2007 of USD 230 million
- Average quarterly cost target of NOK 13 million
- Tandberg Data will further improve the gross margins to 28-30 per cent for overall product portfolio
  - The gross margin will improve substantially from 2006 as a result of the new, integrated product portfolio, the RDX® QuikStor product and as the automation products are picking up volumes
- Tandberg Data will keep focus on integrating the two organizations and realising cost synergies exceeding USD 15 million
  - 60 per cent of the proportional synergies for the first quarter will give effect already from the beginning of 2007. The company is following the integration plan going forward to avoid delays in cost reductions
  - The merger will strengthen Tandberg Data's position as a leading challenger in the tape storage industry
  - The combined company has developed a new product roadmap and joint market recourses are allocated to products and regions

Q & A

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### **Consolidated Profit & Loss Statement - unaudited**

	IFF	RS	IFF	RS
(Amounts in USD 1000)	Q4 2006	Q4 2005	12 months 2006	12 months 2005
Sales Revenue	46,281	28,937	136,595	100,433
Other operating income Cost of sales	1,523 -34,308	-22,287	1,523 -103,786	-75,387
Gross Margin	13,496	6,650	34,332	25,046
Personnel cost	-5,966	-4,515	-19,888	-17,360
Other operating expenses	-2,817	-3,317	-12,045	-12,399
Restructuring expenses	352		-3,986	0
Operating profit before depr.	5,065	-1,182	-1,587	-4,713
Depreciation	-1,723	-816	-4,237	-2,790
Impairment of assets	-907	-326	-2,074	-326
Operating profit	2,435	-2,324	-7,898	-7,829
Net financial items	-811	80	-3,375	255
Loss-/Gain from associate	-192	-208	-815	-302
Profit/loss before tax	1,432	-2,452	-12,088	-7,876
	0			
Tax expense	686	-229	343	-456
Profit/loss for the period	<u>0</u> <b>2,118</b>	-2,681	-11,745	-8,332

### **Consolidated Balance Sheet: Assets - unaudited**

	IFF	RS
(Amounts in USD 1000)	31/12/2006	31/12/2005
ASSETS		
Non-current assets		
Licenses	1,063	0
Goodwill	17,569	850
Technology and Development	18,924	8,773
Property, Plant and Equipment	7,726	5,346
Investment in associate	6,835	7,659
Other non-current assets	500	588
Total non-current assets	52,617	23,216
Current assets		
Inventories	15,780	9,523
Trade accounts receivable	41,451	28,218
Other current assets	6,548	2,509
Cash and cash equivalents	7,391	8,957
Total current assets	71,170	49,207
TOTAL ASSETS	123,787	72,423

### Consolidated Balance Sheet: Equity and liability - unaudited

	IFF	RS
(Amounts in USD 1000)	31/12/2006	31/12/2005
EQUITY AND LIABILITIES		
Equity		
Share capital	15,540	15,540
Other equity	6,433	18,672
Total equity	21,973	34,212
Non-current liabilities		
Pension liability	683	581
Deferred tax	0	1,254
Interest bearing debt	47,104	1,574
Other non-current liabilities	1,050	1,603
Total non-current liabilities	48,837	5,012
Current liabilities		
Public duties payable	1,176	2,659
Tax payable	464	249
Trade accounts payable	27,236	17,302
Interest bearing debt	4,213	7,981
Other current liabilities	19,887	5,008
Total current liabilities	52,976	33,199
TOTAL EQUITY AND LIABILITIES	123,787	72,423

### **Consolidated Cash Flow Statement**

#### Consolidated statement of cash flows - unaudited

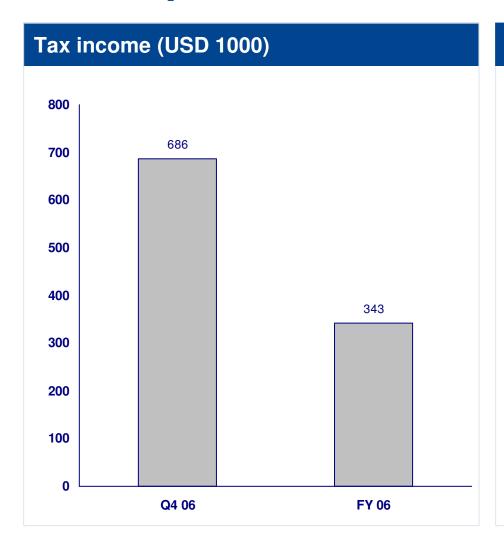
	IFRS	3	IFRS	IFRS
(Amounts in USD 1000)	Q4 2006	Q4 2005	2006	2005
Net cash flow from operating activities	-2,444	-4,817	-6,296	-9,684
Net cash flow from investing activities	-30,803	-5,916	-34,293	-11,927
Net cash flow from financing activities	23,204	12,881	39,023	23,523
Net change in cash	-10,043	2,148	-1,566	1,912
Opening cash balance	17,434	6,809	8,957	7,045
Closing cash balance	7,391	8,957	7,391	8,957

## The Tandberg Storage holding

### **Investment in associate Tandberg Storage ASA**

USD million	Balance sheet 01/01/2006	Income statement Share of loss	Balance sheet 31/12/2006
Carrying value	7.7	-0.8	6.8
Market value	17.3		14.4
Excess value	9.7		7.6

## Tax expense



### **Comments FY 06**

- Deferred tax income of 1 254
  - Due to depreciation/impairment technology in CDG
- Offset by
  - Foreign taxes 211
  - Extraordinary tax due to fiscal audit in Germany 115
  - Tax payable in Japan 586
  - Deferred tax cost 1

### **Overview bond loans**

#### **Bond loans**

- USD 17.25 million and USD 5.95 million
- Loan established May 31 2006
- Financial derivatives embedded:
  - Issuance of warrants to be separated and valued at market price each period
  - Call option to be separated
  - Borrowing costs to be amortised over the lifetime of the loan
- Consequences (numbers in '000):
  - Warrants separated with USD 2 926
  - At December 31 market valued at USD 1 790 resulting in a profit of USD 1 136
  - Call option separated with USD 449
  - At December 31 market valued at USD 312 resulting in a loss of USD 137
  - Borrowing costs being amortised USD 1 195, improve Q4 net finance costs
  - Interest costs expensed is the effective interest, resulting in an extra finance cost of USD 272 compared to nominal interests

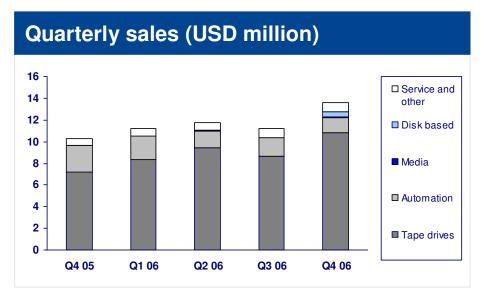
#### **Convertible bond loan**

- NOK 130.0 million
- Financial derivatives embedded
  - The right of conversion to be separated and valued at market price each period
- Consequences (numbers in '000):
  - The right of conversion separated with USD 8 361
  - At December 31 market valued at USD 11 030 resulting in a finance cost of USD 2 406
  - Borrowing costs being amortised USD 1 039, improve Q4 net finance costs
  - Interest costs expensed is the effective interest, resulting in an extra finance cost of USD 167 compared to nominal interests

## **Tandberg Data – OEM**

### **Key financials**

USD million	Q4 06	Q3 06	Q2 06	Q1 06	Q4 05	FY 06	FY 05
Revenue	14.1	11.1	11.8	11.7	10.6	48.7	29.2

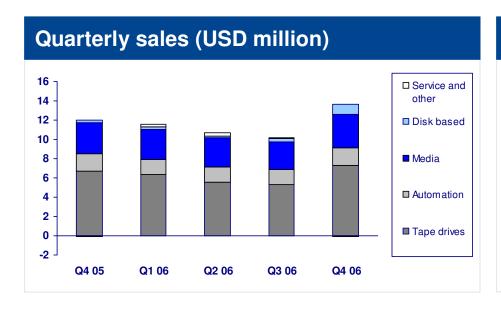




# **Tandberg Data – Channel EMEA**

### **Key financials**

USD million	Q4 06	Q3 06	Q2 06	Q1 06	Q4 05	FY 06	FY 05
Revenue	13.6	10.5	10.7	11.3	11.8	46.1	43.6

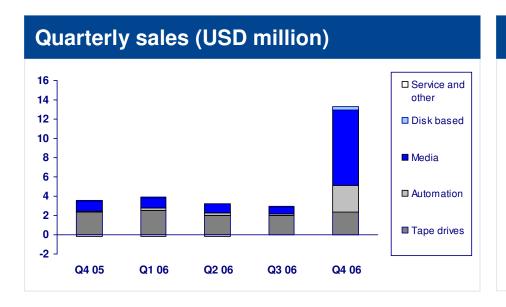


- Sales through the channel in Europe, Middle East and Africa (EMEA) amounted to USD 13.6 million in the fourth quarter of 2006
- Sales increased by 15% compared with corresponding quarter in 2005, and by 29% compared with the third quarter of 2006

# **Tandberg Data – Channel Americas**

#### **Key financials**

USD million	Q4 06	Q3 06	Q2 06	Q1 06	Q4 05	FY 06	FY 05
Revenue	13.6	2.8	3.1	3.8	3.4	23.4	12.1

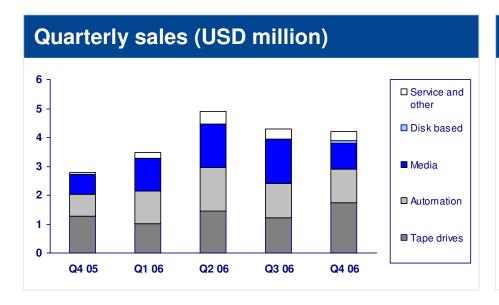


- Sales through the channel in Americas amounted to USD 13.6 million in the fourth quarter of 2006
- Sales increased by 300% compared with corresponding quarter in 2005, and by 381% compared with the third quarter of 2006
- The increase in the US is explained by the acquisition of the former Exabyte business

# **Tandberg Data – Channel APAC**

### **Key financials**

USD million	Q4 06	Q3 06	Q2 06	Q1 06	Q4 05	FY 06	FY 05
Revenue	4.5	4.4	4.8	3.3	2.8	17.0	13.5

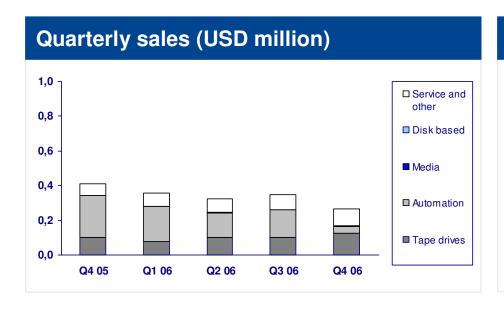


- Sales through the channel in Asia Pacific (APAC) amounted to USD 4.5 million in the fourth quarter of 2006
- Sales increased by 61% compared with corresponding quarter in 2005, and by 1% compared with the third quarter of 2006

# Tandberg Data – Channel Japan

### **Key financials**

USD million	Q4 06	Q3 06	Q2 06	Q1 06	Q4 05	FY 06	FY 05
Revenue	0.5	0.3	0.3	0.4	0.3	1.5	2.1



- Sales through the channel in Japan amounted to USD 0.5 million in the fourth quarter of 2006
- Sales increased by 67% compared with corresponding quarter in 2005, and by 85% compared with the third quarter of 2006

### **Shareholder information**

### **Shareholders as of February 6 2007**

Shareholders	# of Shares	%
1 VERDIPAPIRFONDET NOR V/NO	1,500,000	3.20%
2 NERLAND AUTOSALG AS	1,125,000	2.40%
3 ERGA MORTEN	1,000,000	2.13%
4 KIKUT AS	1,000,000	2.13%
5 TS INDUSTRI INVEST A	1,000,000	2.13%
6 SKAGEN VEKST	875,000	1.86%
7 HANDELSBANKEN MARKET MAR	775,903	1.65%
8 HORISONTEN AS	753,000	1.60%
9 LECTIO AS	750,000	1.60%
10 SPAR INVESTOR NORGE	651,000	1.39%
11 SVENSKA HANDELSBANKE C/O	558,000	1.19%
12 HANSEN ROLF GUNNAR	540,000	1.15%
13 KOLBEINSHAVN KNUT	500,000	1.07%
14 LUNDE ANDREAS	500,000	1.07%
15 HABI INVEST AS	458,000	0.98%
16 MP PENSJON	455,500	0.97%
17 SVAP INVEST AS	400,000	0.85%
18 NERLAND INVESTMENT A V/ROI	400,000	0.85%
19 NÆRINGSLIVETS HOVEDO V/BJ	394,488	0.84%
20 TOFTE LEIF	350,000	0.75%
Total 20 largest shareholders	13,985,891	29.8%
Other shareholders	32,937,342	70.2%
Total shares	46,923,233	100.0%



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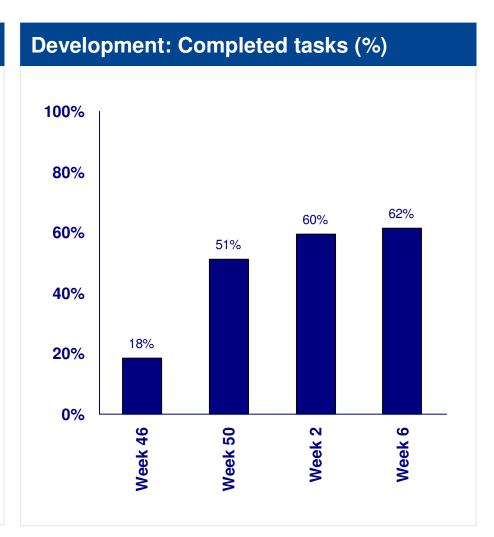
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## Detailed plan for integration

#### **Detailed plan for integration**

- A successful integration of Exabyte Corporation has been Tandberg Data's number one priority since the acquisition
- A comprehensive "integration project" was initiated following the acquisition and is still running
- In total more than 500 different tasks have been listed on the integration plan by the business areas (R&D, Sales & Marketing, Supply Chain, G&A, Product Management, Finance, HR & Group Information, Customer Support and IT / IS)
- The progress has been followed up closely and currently 62% of all listed tasks are completed



## Significant cost synergies

R&D

Sourcing & logistics

Production & service

S&M G&A

Revenue

- Explore joint competencies
- Share equipment, tools and software
- COGS reduction
- Supply chain system integration
- Optimising outsourcing and assembly
- Leverage 'bestpractise' in logistics
- · Double functions
- Group marketing
- Delisting of Exabyte
- Complementary market presence and client relationships
- Enhanced ability to offer short term project financing
- Enhanced ability to deliver turnkey solutions
- Product bundling

Annual cost synergies of minimum USD 15 million in 2007

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### This is Tandberg Data

#### **Key facts**

- Tandberg Data is a leading global supplier and manufacturer of backup and archiving solutions based on the RDX<sup>™</sup>, SLR<sup>™</sup>, VXA<sup>™</sup> and LTO<sup>™</sup> technology platforms in addition to the DLT® tape technology
- The Company offers secondary storage products based on tape drives, autoloaders, libraries, media, disk-based solutions, software and hardware components for mainstream configurations
- Tandberg products are supported by all major operating systems and software applications to successfully operate in heterogeneous network information storage environments
- In addition to corporate offices and manufacturing facilities in Oslo, Norway, Tandberg Data has subsidiaries in USA, France, Germany, Norway, Singapore and Japan, as well as affiliate offices in India and China (PRC)
- Tandberg Data ASA is a publicly held company based in Oslo, Norway and is traded on the Oslo Stock Exchange



Headquarters Tandberg Data ASA Kjelsåsveien 161, Oslo

*History:* Founded in 1979, with origins back to 1933

upon the founding of Tandberg Radio

Factory AS

**Revenue:** Annual revenue exceeding USD 200 million

**Employees:** Currently about 340 (year end 2006)

### **Vision statement**

**Vision** 

To become a leading supplier of back up automation- and storage solution products for the SMB market

## Technology leadership

#### **Strategy**

Aims for leadership in the business of data storage and protection of data...

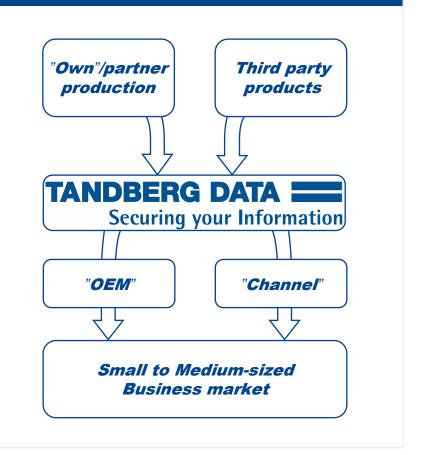
...by offering technology-leading tape drives, disk solutions and automation products in terms of quality, capacity and performance for customers

Rapidly growing capacity requirements and the increasing importance of electronic information...

...have led the Company from tape-oriented to storage-oriented thinking

Strives to meet the customer needs...

- ... by offering products with superior price/performance, and
- ...by providing customers with a wide range of scalable data storage and protection products that serve their needs from the desktop to the data centre
- Substantially invest in R&D in order to offer customers product lines with superior price/performance
- Combine OEM partnerships and own sales offices to secure a broad market reach and cost effective marketing
- Focus on cost and margins and to take an active role in the industry consolidation



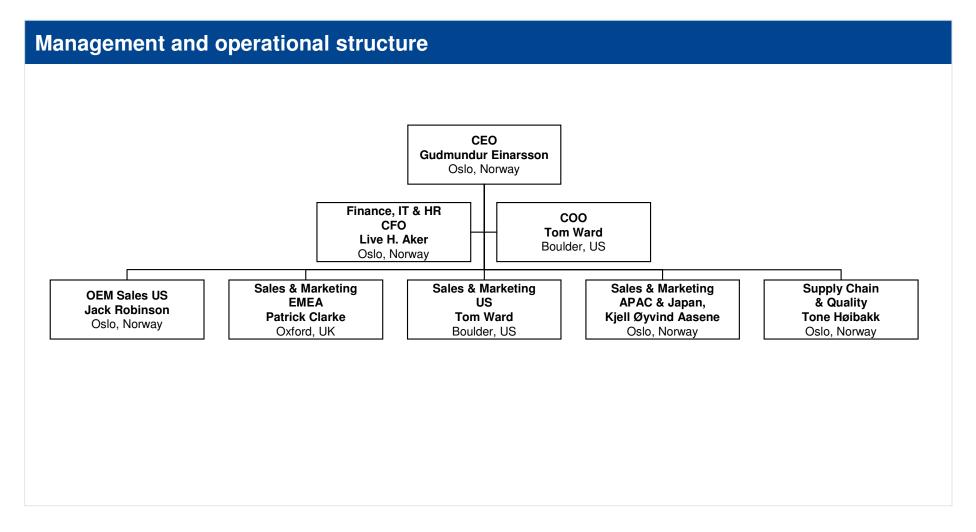
### **Company history**

#### **Timeline** 1933 Tandberg Radio Factory AS founded 1979 Tandberg Data AS established as a company Established subsidiary locations in Germany, 1980's France and USA 1984 Tandberg Data AS listed on Oslo Stock Exchange 1990's Expanded worldwide presence by establishing subsidiaries in Japan, Singapore and the UK Tandberg Data ended diversification and shifted 1996 focus 100% to information storage products 2003 Tandberg Data ASA de-merged, splitting out its core tape development group into a separate public listed company, Tandberg Storage ASA 2006 The Company's wholly owned subsidiary Tandberg Data Corp. acquired assets, rights and certain liabilities of Exabyte Corp.

#### **History**

- The Company has its origins back to 1933 upon the founding of Tandberg Radio Factory AS
- However, Tandberg Data was established 22 March 1979 by Siemens AG, Germany, who acquired the Data Storage Business from the bankruptcy estate of Tandberg Radio Factory AS
- The remaining business of Tandberg Radio Factory was purchased by investors who established Tandberg AS (later split into Tandberg ASA and Tandberg Television ASA)
- In 2006, Tandberg Data Corp., a wholly owned subsidiary of Tandberg Data ASA, entered into an agreement to acquire substantially all assets and certain liabilities of the U.S. data storage company Exabyte Corporation
- Following the acquisition, Tandberg Data is positioned among the largest suppliers of technology to the global storage market (OEMs not included) with a strong presence in all the main geographical regions like Europe, USA and Asia

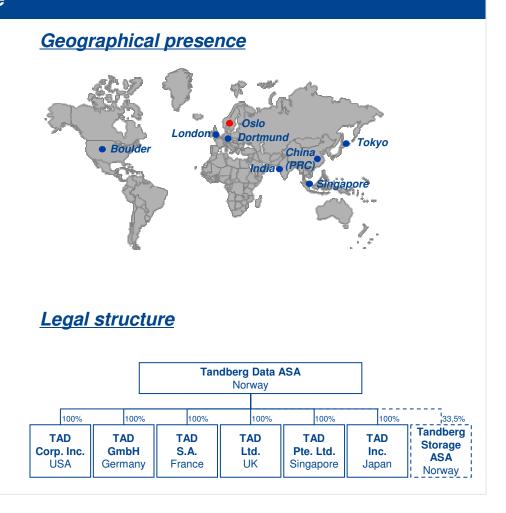
## The Tandberg Data management



### Global presence

#### Legal structure and geographical presence

- Headquarters in Oslo
  - Coordinate all developments and production activities, cooperation with other manufacturers
  - Strategic company and product planning as well as all contacts to the world-wide shareholders and the share market
- Product development is taking place in Boulder, Colorado
  - Sales office for the Americas
- Tandberg Data GmbH in Dortmund is responsible for sales, marketing, logistics and service in Europe
- Branch offices in Singapore and Japan cover the Far-East market



### The sales network

#### **OEM partners and distribution channels**

- Tandberg Data markets its solutions exclusively through a strong channel of qualified resellers and distributors
  - 38 authorised distributors
  - 147 authorised resellers
  - 10,000+ buying resellers
- In addition, the solutions are underpinned by OEM (Original Equipment Manufacturer) agreements with major server manufacturers
  - The products are produced by Tandberg Data, but branded as a product of OEM customers and thereafter sold through the OEM customer's channels



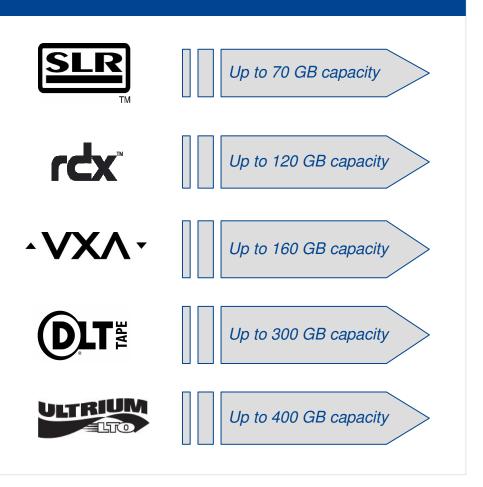


### A broad product portfolio

#### **Tandberg Data's Backup Technologies**

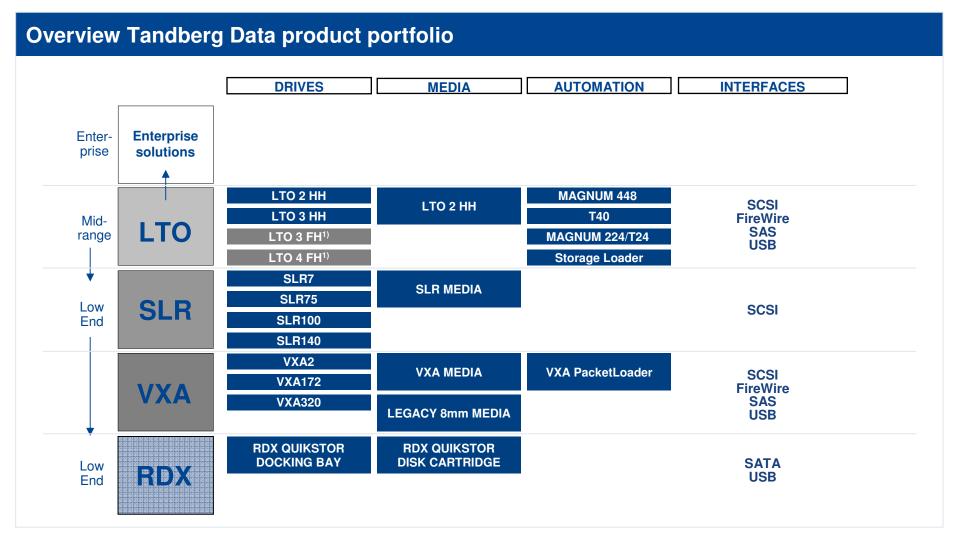
- Tandberg Data's product portfolio provide customers with the full range of products and technologies
- All solutions are designed to meet the growing storage requirements of small and medium sized organizations
  - Scalability, reliability and backward compatibility features that ensure cost effective operation and long-term investment protection
- The products are supported by all major operating systems and software applications to successfully operate in heterogeneous network information storage environments



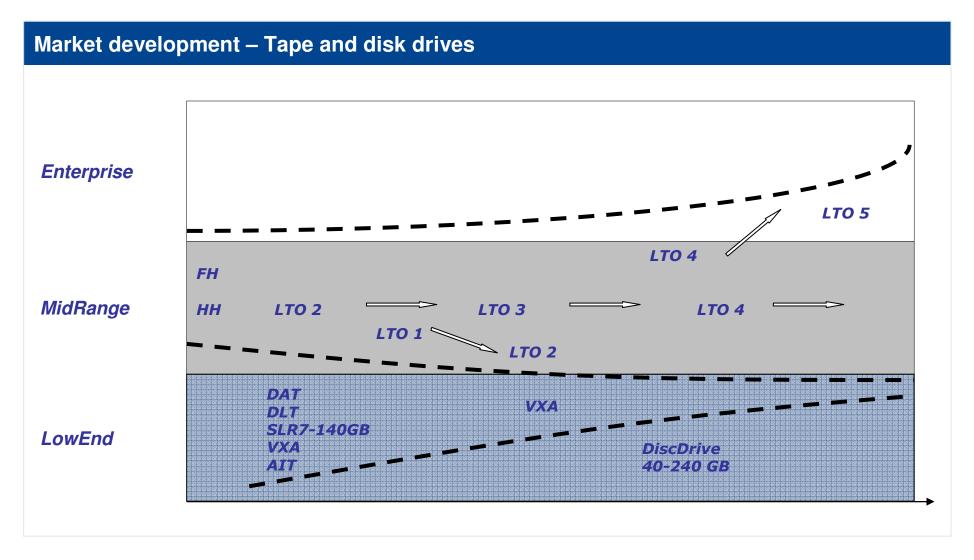


Note: Native capacities

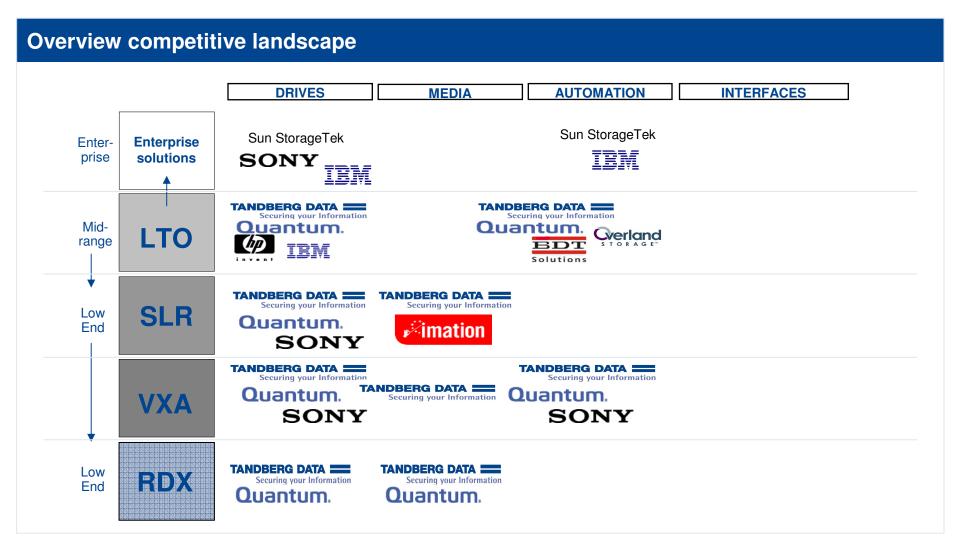
### Focus on mid-range and low-end segments



# Reasonable positioning in the market

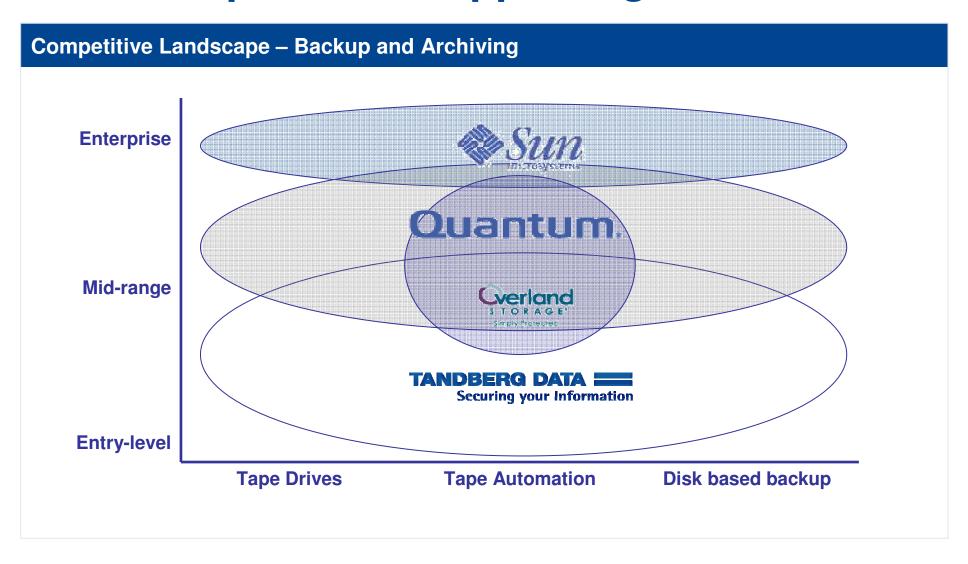


### Strong position in target segments



<sup>1)</sup> Third party products

### Main competitors in upper segments



### **Tandberg Data – LTO products**

#### **Tandberg LTO-Series**

- LTO (Linear Tape-Open) is a "open format" technology
  - Users will have multiple sources of product and media
  - The "open" nature also provides a means of enabling compatibility between different vendors' offerings
- Linear recording offering high capacity and performance
  - Low Total Cost of Ownership
  - Compatible to older LTO formats
- The Ultrium format is the "high capacity" implementation of LTO technology
  - Has quickly become the market leader



#### **Overview Tandberg Data LTO products Transfer rate Type Capacity** Interface Warranty LTO-3 400/800 GB up to 576 GB/hr SCSI Ultra 160 3 Years LTO-2 HH 200/400 GB up to 115 GB/hr SCSI Ultra 160 3 Years SCSI Ultra 160 LTO-1 HH 100/200 GB up to 173 GB/hr 3 Years

### **Tandberg Data – SLR products**

#### **Tandberg SLR-Series**

- SLR (Scalable Linear Recording) is based on a data cartridge technology
  - Uses media that is 0.25 inch or 8 mm (0.315 inch) wide
  - Data is recorded in a linear serpentine fashion on tracks that are parallel to the edge of tape
  - Comply with the 5.25 inch half height form facto
- Technology is targeted at small and medium-scale multi user systems and workstations
  - SLR products are mainly positioned in the low-end market segment and in the lower part of the midrange segment
- Robust, high quality design
  - Backward compatibility for easy migration



#### **Overview Tandberg Data SLR products Transfer rate Type Capacity** Interface Warranty **SLR140** 70/140 GB up to 43.2 GB/hr LVD 3 Years **SLR100** 50/100 GB up to 36 GB/hr LVD 3 Years **SLR 75** 38/75 GB up to 28.8 GBhr LVD 3 Years SLR7 up to 21.6 GB/hr 20/40 GB LVD 3 Years

### **Tandberg Data – VXA products**

#### **Tandberg VXA-Series**

- VXA Packet technology
  - Enables VXA Packet drives, autoloaders and tapes to read and write data in packets just like the Internet
- Providing far superior restore integrity, exceptional transfer speeds and scalable tape capacities
- C.O.D. doubles years of use
- · Disaster tested for extreme reliability
- Warranty: 1 year Advanced Replacement Service



Overview Tandberg Data VXA products				
Туре	Capacity	Transfer rate	Interface	Warranty
VXA-172	86/172 GB	up to 86.4GB/hr	LVD SCSI	3 Years
VXA-320	160/320 GB	up to 86.4GB/hr	LVD SCSI	3 Years

### **Tandberg Data – RDX products**

#### **Tandberg RDX-Series**

- Cartridge-based removable storage system offering rugged, reliable and convenient storage for backup, archive, data interchange and disaster recovery
- Enterprise Performance & Fast Access Easy to use and simple to install
- Compatible with all major backup applications
- Best of disk and tape, performance of a hard disk and handling of a tape system
- Superior ISV compatibility and shock-proof cartridge design, with back- and forward compatibility



### **Overview Tandberg Data RDX products**

Туре	Capacity	Transfer rate	Interface	Warranty
RDX QuikStor	40-120 GB	up to 106 GB/h	N.A.	3 Years

## Tandberg RDX QuikStor vs. Low-end Tape

### **Comparative analysis**

	RDX	Travan	DAT72	DAT160	DLT V4
Capacity (native, GB)	40-120	20/40	36	80	160
Forward Compatibility	Yes	No	No	No	No
Data Rate (native, MB/s)	30+	3	3	6	10
Access Time (seconds, average)	<1	~90	58	60	68
Drive AFR	~1%	~10%	~10%	~10%	~10%
Media Life (# of uses typical)	5,000	50	50	50	100

### **Tandberg Data – DLT products**

#### **Tandberg DLT-Series**

- DLT (Digital Linear Tape) uses linear serpentine recording and half-inch-wide media housed in a "square" half-inch cartridge
- Products positioned both in the Midrange- and corporate market segments
- Linear recording
- · High capacity and performance
- Read-compatible to older DLT formats



#### **Overview Tandberg Data DLT products Transfer rate Type Capacity** Interface Warranty **SDLT 600** 300/600 GB up to 259 GB/h SCSI Ultra 160 1 Year **SDLT 320** 160/320 GB up to 115 GB/h LVD or HVD 1 Year DLT V4 LVD or SATA 1 Year 160/320 GB up to 72.0 GB/h **DLT VS160** 80/160 GB up to 57.6 GB/h SCSI Ultra 160 1 Year

## **Tandberg Data – StorageLoader**

#### **Tandberg StorageLoader**

- 1U autoloader for high density
- Choice of VXA and LTO Technologies
- Up to 6.4 TB and 432 GB/hr
- Low Total Cost of Ownership



Overview Tandberg Data StorageLoaders					
Туре	Drive	Slots	Capacity	Transfer rate	Interface
VXA	1 VXA-172	10	1.72 TB	86.4 GB/hr	SCSI-3, Ultra 160
VXA	1 VXA-320	10	3.2 TB	86.4 GB/hr	SCSI-3, Ultra 160
LTO	1 LTO-1 HH	8	1.6 TB	115 GB/hr	Ultra 160 SCSI
LTO	1 LTO-2 HH	8	3.2 TB	172 GB/hr	Ultra 160 SCSI
LTO	1 LTO-3 HH	8	6.4 TB	432 GB/hr	Ultra 160 SCSI

### **Tandberg Data – StorageLibrary**

### Tandberg StorageLibrary

- 2 or 4U Tape Automation
- Up to 32TB Compressed data
- Up to 1.15 GB/hr Transfer Rate
- Choice of 1-3 LTO-2HH and 1-2 LTO-3 drives



#### **Overview Tandberg Data StorageLoaders Transfer rate Capacity** Interface **Type Drive** T24 1-2 LTO-2 HH 9.4 TB up to 346 GB/hr LVD T24 1 LTO-3 19.2 TB up to 576 GB/hr LVD or 4Gb nFC 1-4 LTO-2 HH up to 691 GB/hr T40 16.0 TB LVD T40 1-2 LTO-3 32.0 TB up to 1.15 TB/hr LVD or 4Gb nFC

# New product versions expected in 2007

### **Tandberg Data Roadmap**

Product	Q1 07	Q2 07	Q3-07	Q4-07	$\rightarrow$
LTO-2 HH	SAS				
LTO-3 HH		SCSI SAS			
LTO-4 FH	SCSI FC				НН
VXA-3		IDE	FiWi USB	SAS	
VXA-4					IDE SAS
StorageLoader	LTO-3 HH		VXA-3 FiWi VXA-3 USB		
StorageLibrary T24	LTO-3 HH	LTO-4 FH			
StorageLibrary T40		LTO-4 FH LTO-3 HH			
RDX QuikStor	SATA 2 160 GB cartridge	Internal USB	250 GB cartridge		

### **Tandberg Data SecureService**

#### **Service and support**

- The Company's global customer support centre is located in Boulder
  - In addition Tandberg Data's multilingual employees in the Customer Communication Centres in Dortmund and Singapore deal with enquiries and assist customers with complicated problem solutions in their native language
- Continuous support of authorized distributors and specialist dealers includes planning of individual storage solutions, system selection and implementation as well as training and service
  - Tandberg Data complements its offering of professional hardware and solutions with professional warranty and services
- SecureService is available for all Tandberg Data automation devices and with a huge variety of service levels from NBD services to 7x24x4 onsite services

	SecureService Onsite 7 x 24 x 4
VICE	SecureService Onsite 5 x 8 x 8
ONSITE SERVICE	SecureService Onsite 5 x 8 x NBD
ONSI	SecureService Installation
	SecureService Upgrade
SCED ICE	Maintenance Service
ADVA	SecureService Tech Support 7 x 24 x 4
Q	Advanced Replacement Service
ANDAR	3 Years Warranty
SS	5 x 10 Freephone (online & E-Mail Support)