

# Investor Day 2012 Frankfurt/Main 1 June 2012



## Agenda

10.00	Group Strategy / Financials Reto Francioni, Chief Executive Officer Gregor Pottmeyer, Chief Financial Officer	13.15	Xetra – Cash Market Frank Gerstenschläger Member of the Executive Board
	Eurex – Derivatives Market Andreas Preuss Deputy Chief Executive Officer		Market Data & Analytics Andreas Preuss Deputy Chief Executive Officer
	Clearstream – Custody, Settlement and Collateral Services Jeffrey Tessler Member of the Executive Board	14.00	Q&A Session
12.15	Lunch Break	15.00	End of Event

### Agenda

### **Group Strategy / Financials**

**Eurex – Derivatives Market** 

**Clearstream – Custody, Settlement and Collateral Services** 

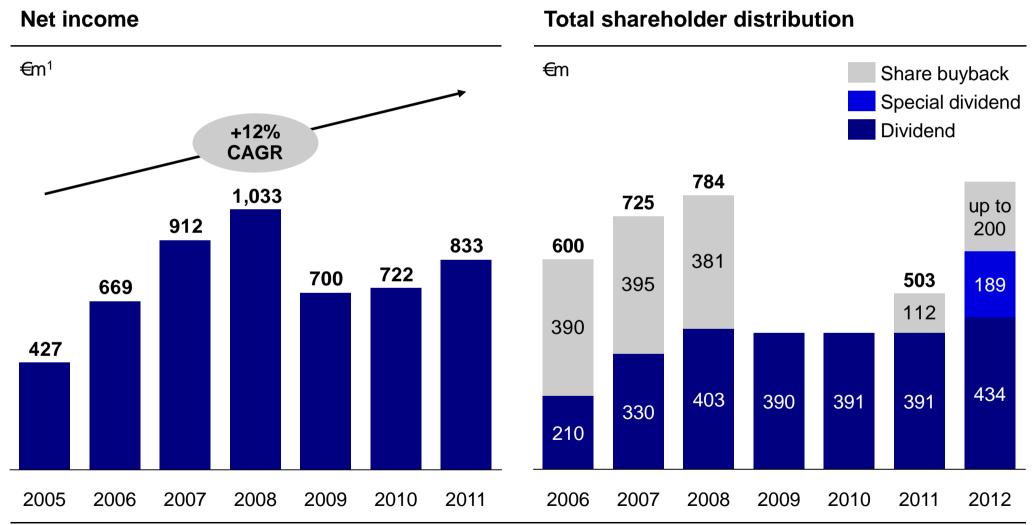
**Xetra – Cash Market** 

**Market Data & Analytics** 

### Investment Highlights Deutsche Börse Group

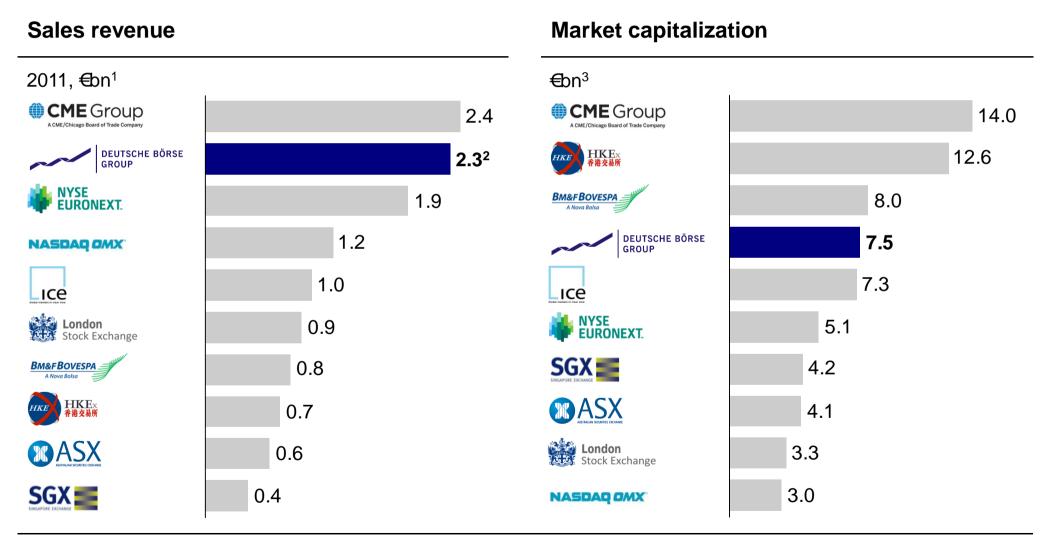
- n Uniquely positioned to benefit from customer focus on risk, collateral and liquidity management; business model is serving as the global industry role model
- n Based on our competitive strengths, we have refined our long-term growth strategy along 3 pillars thus embracing cross-divisional activities no competitor can pursue
- n Best in-class cost management with reduction of operating costs by 13 percent between 2007 and 2011, thus delivering attractive cash generation and profit margins through the cycle
- n Strong balance sheet and "AA" credit rating paired with highly attractive distribution policy; more than €4 billion shareholder distribution through dividends and share buybacks since 2005
- n Complementary M&A evaluated if opportunities arise; recent transactions: increased stake in STOXX, majority stake in European Energy Exchange, and full acquisition of Eurex

# Track Record For Strong Earnings Delivery Through The Cycle Paired With Attractive Distribution Policy



<sup>1)</sup> Adjusted for ISE impairment (2009, 2010), costs for efficiency measures (2010, 2011) and merger related costs (2011)

### Strong Position In The Global Exchange Sector



<sup>1)</sup> Source: Reuters; LSE FY until 31 Mar 2012, ASX & SGX FY until 30 Jun 2011

<sup>2)</sup> Sales revenue and net interest income from banking business

<sup>3)</sup> Source: Reuters; as at 29 May 2012

# Competitive Strengths Serve As Foundation For Accelerated Growth Strategy

### Financial and economic stability of home markets

n Strong rating of domicile countries (Germany, Luxembourg with AAA rating) makes Deutsche Börse Group a provider of choice in the eurozone

### Broad service offering including clearing/post trade

n Ability to offer unique products, e.g. Eurex Repo and Euro GC Pooling

n Broad risk management setup: leading margining algorithm, central and commercial bank funding access

### Leading clearing house and largest CSD in eurozone

- n ECB preference for eurozone domiciled clearing houses
- n Market participants increasingly see this as advantage

#### **Proprietary market data**

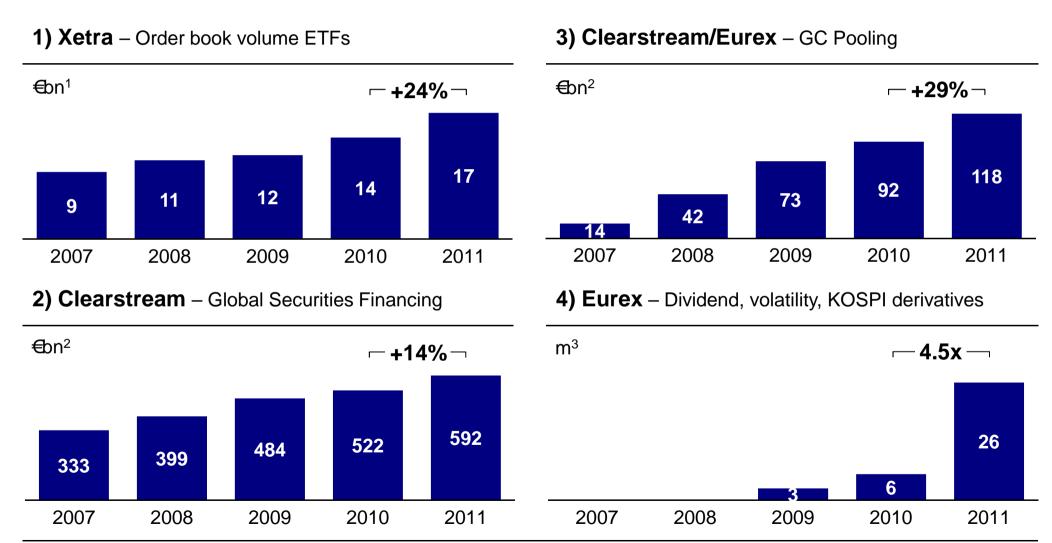
- n Ability to distribute a broad range of proprietary data across the value chain (trading, clearing and post trade)
- n Leading global index offering via STOXX, providing an innovative range of blue chip and benchmark indices

### Superior quality of systems and processes

- n Excellent risk management expertise
- n High quality process execution and IT solutions
- n Deep know-how across different business segments and products

- n Competitive strengths as result of strategy delivery
- n Deutsche Börse Group with clear profile of core competencies that no competitor can pursue
- n Competitive strengths serve as foundation for accelerated growth strategy

#### **Growth Initiatives Continue To Gain Traction**

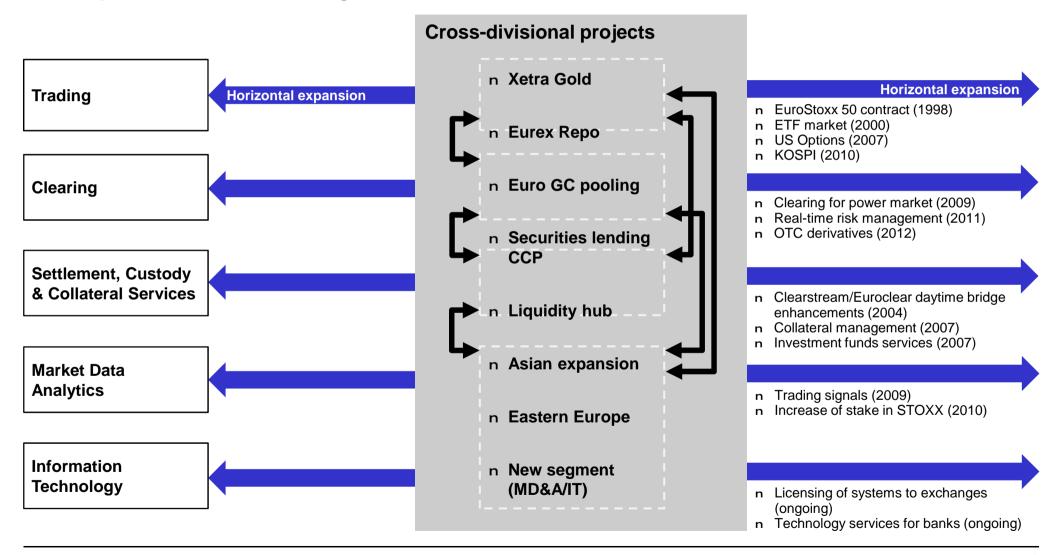


<sup>1)</sup> Xetra and Floor monthly averages; includes ETFs (Exchange Traded Funds), active ETFs, Exchange Traded Commodities (ETC) and Exchange Traded Notes (ETN)

<sup>2)</sup> Average outstandings

<sup>3)</sup> Traded contracts

# Increasing Focus On Cross-Divisional Themes As Unique Competitive Advantage Of Deutsche Börse



### **Acceleration Of Growth Strategy**

# Acceleration of growth strategy

- 1 Extend products and services to unregulated/unsecured markets
  - n Expand Eurex clearing/risk management capabilities
  - n Global roll-out of collateral and liquidity management services
- 2 Expand technological leadership
  - n Foster product, process and system innovation
  - n Combine market data and IT in one segment
- 3 Increase reach in new customer groups and growth regions
  - n Expand customer reach
  - n Partnerships and M&A

#### **Effective cost management**

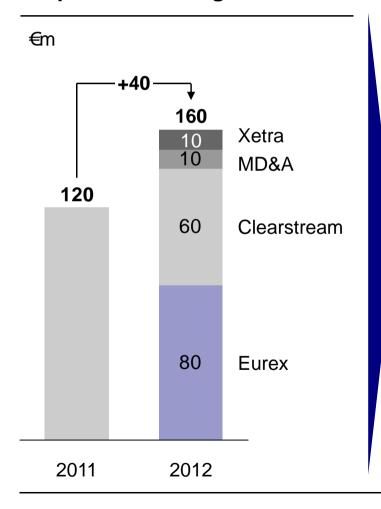
- n Cost discipline remains key priority
- n Further efficiency gains targeted

#### **Commitment to capital management**

- n Maintain strong credit rating profile
- n Continue attractive capital management policy

### Growth – Expenditures For Growth And Infrastructure Increased

#### **Expenditures for growth**



#### Extend products and services to unregulated and unsecured markets

- n Launch clearing for OTC derivatives in light of changing market and regulatory requirements in line with EMIR implementation schedule
- n Enhance risk management model to allow for cross margining within portfolios (2012)
- n Global roll-out of collateral management insourcing services (CETIP 2011, Australia & South Africa 2012)

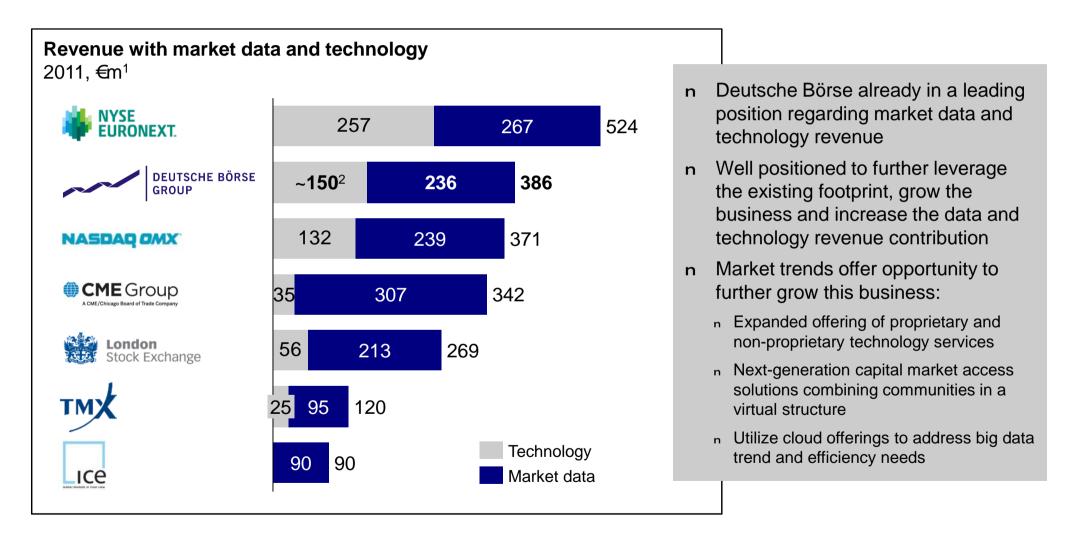
#### **Expand technological leadership**

- n Introduce next generation trading platform for Eurex (2012) and Xetra based on "one platform" IT strategy
- n Build new clearing architecture to further improve risk management capabilities (2013)
- n Combine market data and IT into one business segment to capitalize on growth opportunities and client's outsourcing needs

#### Increase reach in new customer groups and growth regions

- n Increase Asian revenue contribution at Clearstream's ICSD business from ~20 percent in 2011 to ~30 percent by 2016
- n Further expand customer network of Eurex into Asia and Xetra into Eastern Europe
- n Target buy-side customers with next phase of client asset protection services (2012)

# Growth – Deutsche Börse Is Well Positioned Among Its Peers For Further Growth In Market Data And Technology

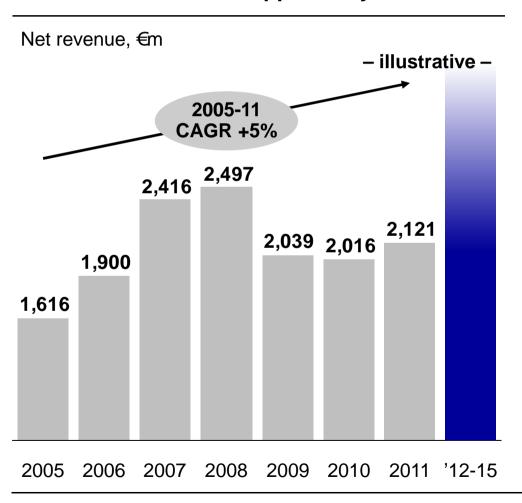


<sup>1)</sup> Source: companies; composition partly approximated

<sup>2)</sup> External IT services, partner exchanges and connectivity revenue

# Growth – Deutsche Börse In An Excellent Position To Increase Revenue In The Midterm

#### 2012 to 2015 revenue opportunity



#### Cyclical growth, e.g.:

- n <u>Interest rate derivatives</u>: currently cyclically depressed; revenue upside ~€100 million p.a.
- n Net interest income: currently cyclically depressed; revenue upside ~€100 to €300 million p.a.

#### Structural growth, e.g.:

- n <u>OTC clearing</u>: clearing and risk management services for OTC derivatives following EMIR
- n <u>Collateral management</u>: expand services and grow global pool of lendable/eligible securities
- n Market data: expand reach of tradable content
- n <u>Information Technology</u>: growth opportunities and clients' outsourcing needs
- n <u>Customers/geographic regions</u>: diversify customer groups and expand in high growth markets

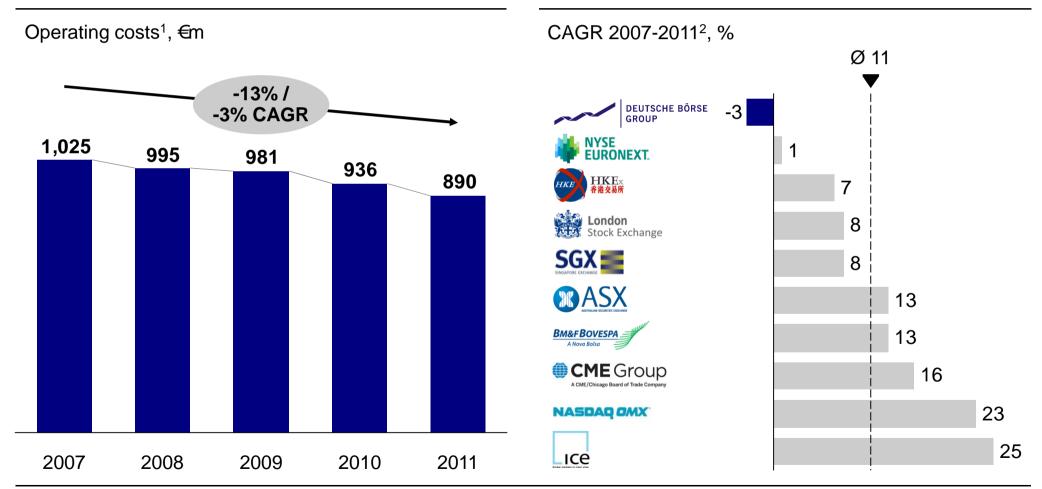
#### **External growth**

n Complementary M&A evaluated if opportunities arise

# Operating Efficiency – Track Record For Effective Cost Management

#### Track record for effective cost management

#### Cost growth of key exchange organizations



<sup>1)</sup> Adjusted for ISE impairment (2009-2010), costs for efficiency measures (2007-2011) and merger related costs (2011)

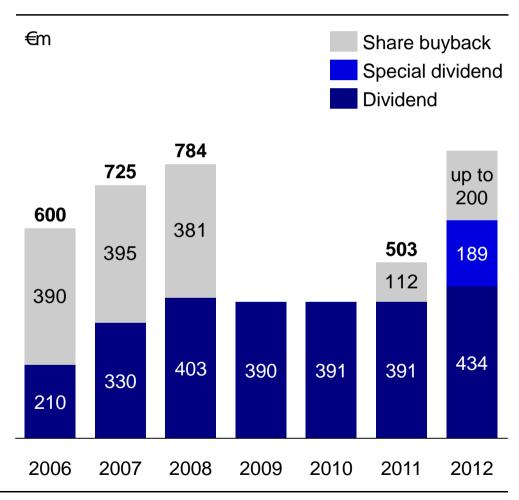
<sup>2)</sup> Operating costs 2011 vs. 2007; DB1 excluding volume related costs; NYX excluding section 31, liquidity payment, routing and clearing fees; NDAQ excluding liquidity rebates and brokerage clearance and exchange fees; LSE FY until 31 Mar 2012; ASX & SGX FY until 30 Jun 2011

# Capital Management – Strong Cash Flow Generation Allows For Strong Rating Profile And Attractive Distribution Policy

#### **Capital Management Policy**

- n Continuing past practice, Deutsche Börse distributes funds not required for the Group's operating business and further development to its shareholders
- n The capital management policy foresees a dividend payout ratio of 40 to 60 percent complemented by share buybacks
- n Both distribution components are subject to capital requirements, investment needs and general liquidity considerations
- n Due to its considerable clearing and post-trading business activity, Deutsche Börse is focused on maintaining a strong credit and rating profile, including Clearstream Banking S.A.'s strong "AA" credit rating

#### Total shareholder distributions



# Capital Management – Deutsche Börse Group Solidly Fulfills Credit Rating Metrics And Regulatory Capital Requirements

#### **Credit rating metrics**

Minimum	Actuals
requirement	31 Dec 2011

# Deutsche Börse AG "AA" Standard & Poor's Interest coverage ratio EBITDA to interest expenses from financing activities<sup>1</sup> 16x 19x<sup>2</sup>

Clearstream Banking S.A. "AA" Standard & Poor's, Fitch Ratings		
Tangible equity Clearstream International S.A. Clearstream Banking S.A.	€700m €250m	<b>❸</b> 01m <b>⑤</b> 21m
Subordinated participation rights issued by Clearstream Banking S.A. to Deutsche Börse AG	€150m	€150m

#### Regulatory capital requirements

	Minimum requirement	Actuals 31 Dec 2011
Eurex Clearing AG		
Regulatory equity	€73m	<b>€</b> 113m
Solvency ratio	8%	13%

Clearstream Holding group		
Regulatory equity	€261m	<b>€</b> 321m
Solvency ratio	8%	25%

<sup>1)</sup> For calculation of interest coverage ratio only 50 percent of the interest expenses for the hybrid bond are applicable; adjusted for costs for efficiency measures and merger related costs

<sup>2)</sup> FY2011

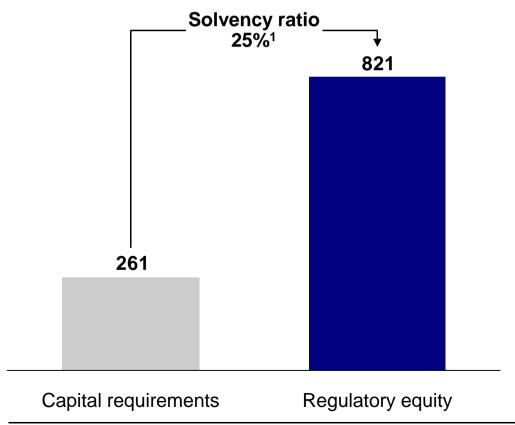
# Capital Management – Clearstream Holding's Capital Requirements Are Well Below The Company's Regulatory Equity

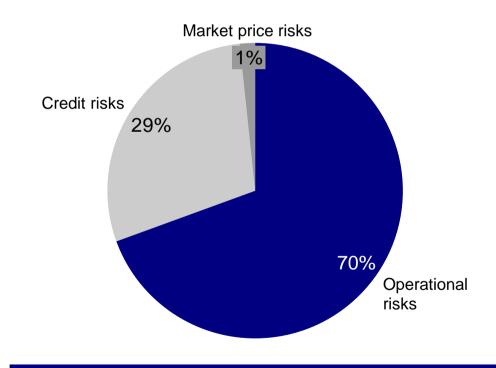
#### Regulatory capital requirements

#### **Composition of capital requirements**

31 Dec 2011, €m

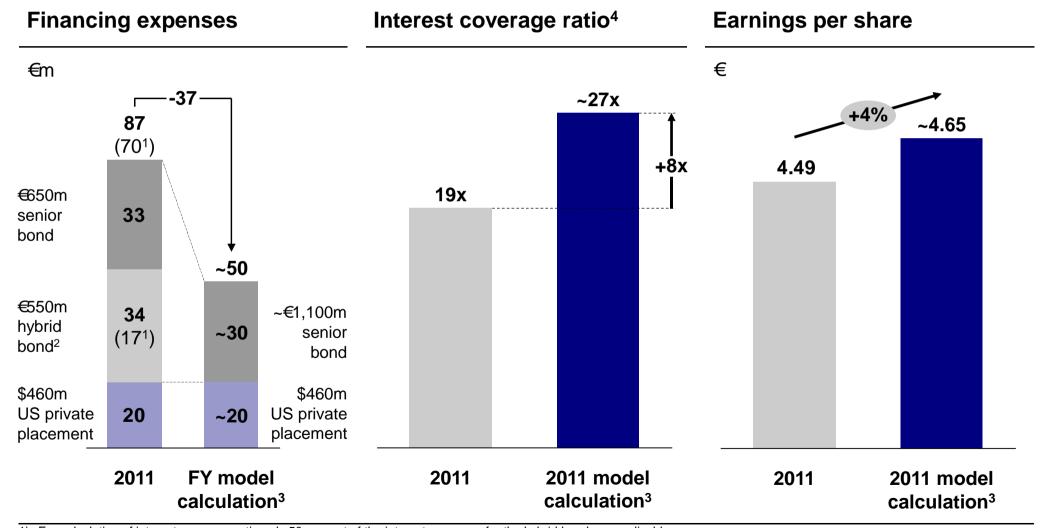






Operational risks evaluated with advanced measurement approach (AMA) approved by regulators

# Capital Management – Debt Refinancing In 2013 Expected To Reduce Financing Expenses And Improve Interest Coverage & EPS



<sup>1)</sup> For calculation of interest coverage ratio only 50 percent of the interest expenses for the hybrid bond are applicable

 <sup>€93</sup> million nominal was repurchased in 2010

<sup>3)</sup> Model calculation at average prevailing market rates

<sup>4)</sup> EBITDA to interest expenses from financing activities

# Opportunities From Regulatory Framework Are More Concrete And Outweigh Challenges

	Description	First proposed	Status
<b>EMIR</b> European Market Infrastructure Regulation	Implementation of G20 rules to enforce tighter rules for unregulated OTC markets	September 2010	Content has been agreed in trialogue process; decision by EU Council expected in summer 2012
MiFID revision/MiFIR  Markets in Financial Instruments  Directive/ Regulation	MiFID revision intends to fix problems of the 2007 directive; MiFIR amends EMiR to make EU financial markets more transparent and efficient	October 2011	Commission proposal published last autumn; EU parliament report expected in summer (diverging views in consultation phase)
FTT Financial Transaction Tax	Tax with the objective to increase contribution from the financial sector to public finances	September 2011	Ongoing discussions; no agreement on commission proposal in ECOFIN (March 2012)
T2S Target2-Securities CSD regulation	Single platform for securities settlement in central bank money in the EU; CSD regulation provides for T2S framework	May 2008 March 2012	Clearstream is early T2S adopter; framework agreement has been signed in April 2012

### Risk Management – Deutsche Börse Maintains Low Risk Profile Through Rigorous Risk Management Approach

#### **Deutsche Börse Group**

Risks	Mitigation
Operational risk e.g. system outages	§ Integrated IT function and extensive track record for system reliability, e.g. close to 100 percent availability over the last years, against the background of strong increase of transaction load
	§ Continuous investments in IT systems
Business risk	§ Deutsche Börse continually and closely monitors regulatory developments that represent a possible business risk in order to initiate risk mitigating measures at an early stage and is closely involved in political and regulatory initiatives

#### Clearstream

Risks	Mitigation
Operational risk e.g. processing errors	§ Clearstream uses the Basel II Advanced Measurement Approach to continuously strengthen its operational risk management § Integrated systems allow straight-through processing to reduce manual intervention
Counterparty risk i.e. on customers and money market participants	<ul> <li>§ Continuous monitoring of credit exposures, which are only with highly rated customers and are largely collateralized</li> <li>§ Clean credit lines in place only for select customers (mainly sovereigns, central banks and supranationals) to facilitate securities settlement; credit lines can be withdrawn at any time</li> <li>§ Customer cash is invested mainly overnight with highly rated counterparties and largely collateralized with highly rated collateral</li> </ul>

#### **Eurex Clearing**

Risks	Mitigation
Counterparty risk i.e. on clearing members and cash deposits	<ul> <li>§ Continuous mark-to-market (event-driven real-time risk monitoring system)</li> <li>§ Multiple lines of defense to absorb any client default as evidenced in recent customer default</li> <li>§ Cash investments on behalf of Eurex Clearing mainly overnight and largely collateralized</li> </ul>

### Risk Management – Counterparty Risk In The Clearing House Effectively Managed By Collateralization And Lines Of Defense

#### Lines of defense of clearing house<sup>1</sup>

#### 1. Liquidation of open positions

Close-out of positions results in surplus or shortfall

#### 2. Liquidation of collateral

~€51bn (after haircuts)2

#### 3. Clearing fund contribution of member in default €1m to €100m

#### 4. Reserves of Eurex Clearing

~€7m

#### 5. Clearing fund contribution of all members

~€1.1bn

#### Liable equity of Eurex Clearing

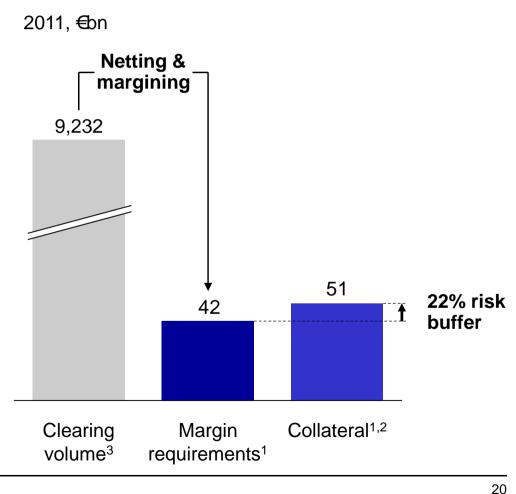
~€113m

#### 7. Parental Guarantee to Eurex Clearing

€700m by Deutsche Börse

#### ~€53 billion total guarantee position

#### Risk management position



<sup>€37.5</sup>bn securities collateral, €13.9bn cash collateral

<sup>3)</sup> Monthly average 2011

### Risk Management – Summary

n The Group's risk profile is mainly characterized by operational risks; its transaction based business model is very distinct from the business model of banks

Extensive track record for system reliability

n Counterparty risk at Eurex Clearing is effectively managed through netting, collateralization and the clearing fund No collateral shortfall or loss as part of Lehman Brothers and MF Global default

n Counterparty risk at Clearstream is assumed only to facilitate settlement; credit exposures are limited to highly rated customers and largely collateralized (with highly rated collateral)

No credit loss during the financial crisis

### Agenda

#### **Group Strategy / Financials**

#### **Eurex – Derivatives Market**

**Clearstream – Custody, Settlement and Collateral Services** 

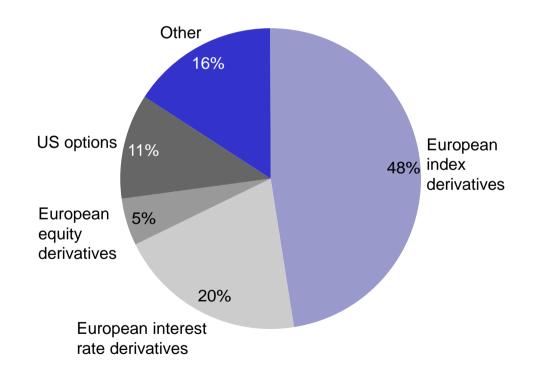
**Xetra – Cash Market** 

**Market Data & Analytics** 

### Eurex Net Revenue Mainly Driven By Index And Equity Products

#### Breakdown of net revenue by activity

Net revenue Q1/12<sup>1</sup>: €216.7m



#### **European index derivatives**

n Futures and options on a range of global, European and national indices, i.e. Euro STOXX and DAX

#### **European interest rate derivatives**

n Interest rate futures and options (German Bund, Bobl, Schatz; Italian BTP; French OAT)

#### **European equity derivatives**

n Equity options and single stock futures on a wide range of individual equities (mainly STOXX 600)

#### **US** options

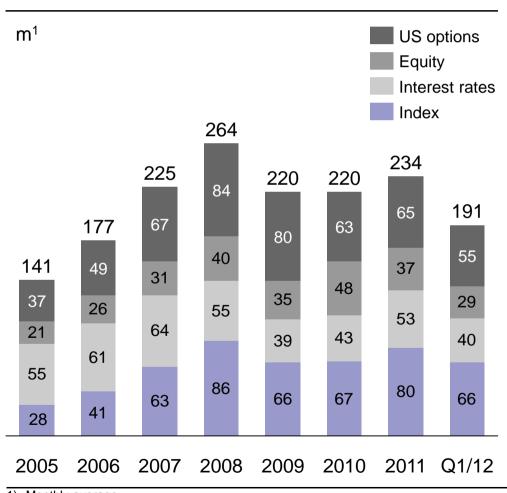
n Equity, ETF and index options traded at ISE

#### Other

- n ISE member fees and market data revenues
- n External IT revenue
- n Membership and connectivity revenues

# Secular Trends Drive Long Term Growth In Demand At Eurex And ISE

#### **Development of traded contracts**



#### Cyclical growth drivers

n Level and direction of indices, equity volatility, interest rate expectations

#### Structural growth drivers

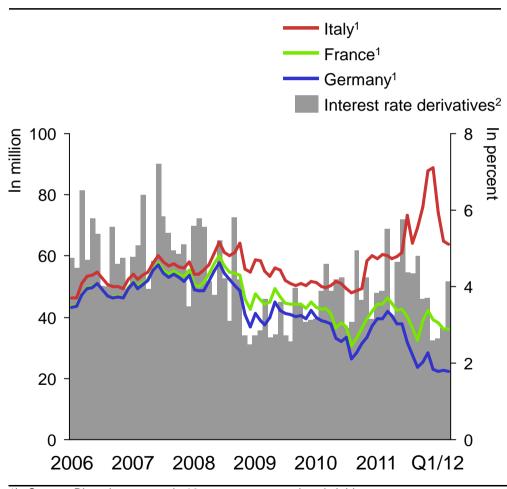
- n Risk management: Migration of OTC business to central clearing/CCP in light of current market environment
- n New Customer Groups:
  - n Increasing demand for European derivatives by investors located outside of Europe (e.g. Asia)
  - Increasing use of equity derivatives by traditional investment funds (in Europe supported by UCITS III regulation)
- n Algorithmic trading: Level of application by intermediaries and investors

#### New products and services

n Product and service innovation as well as new functionalities support structural growth and further enhance growth profile

# Interest Rate Derivatives Market – Cyclical Volume Decline With Potential To Recover Again Mid-term

#### Interest rate derivatives and gov. bond yields



#### **Market conditions**

- n Eurex interest rate derivatives volume driven by expectations for inflation/yield development
- n Currently, record low yield levels, high liquidity supply by central banks, and European sovereign debt crisis with increased yield spreads between countries
- n Adverse impact on Eurex interest rate volumes in 2009 and today

#### **Short-term potential**

n New futures on Italian and French government bonds address yield spreads

#### Mid-term potential

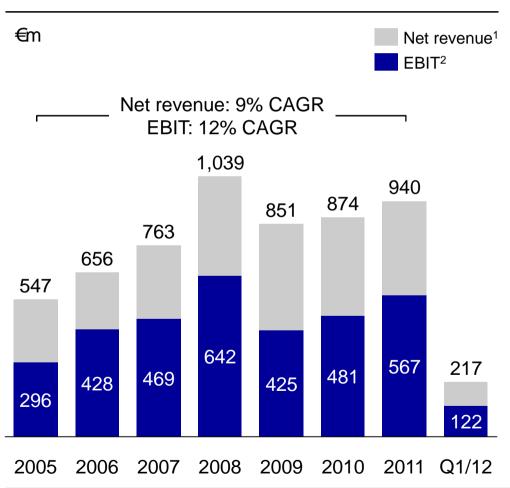
 Potential for market recovery and increasing trading volumes across asset class – pending rising yield expectations and resolution of eurozone crisis

<sup>1)</sup> Source: Bloomberg; generic 10 year government bond yield

<sup>2)</sup> Monthly volumes in Eurex interest rate derivatives

### Scalable Business Model Drives Profitability

#### **Net revenue and EBIT development**



- n Revenues in the Eurex segment driven by level of trading and clearing activity and business mix
- n Order book fee per contract differs between product groups:

Euro-Bund future/option:	€0.20
Euro STOXX 50 Index future/option	€0.30
Euro STOXX 50 Dividend future/option:	€1.20
Euro STOXX 50 Vola future/option:	€0.20/0.30
DAX future/option:	€0.50
European equity futures/options:	€0.13/0.10
US Options:	up to \$0.25

n For some products a reduced fee is applied on the contract volume of a transaction that exceeds the defined threshold

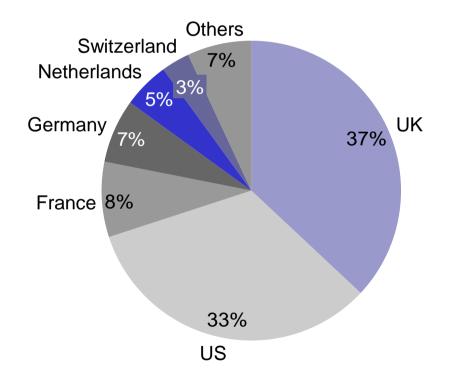
<sup>1) 2005</sup> to 2007 net revenue approximated; ISE included since 2008

<sup>2)</sup> Adjusted for ISE impairment (2009, 2010) and costs for efficiency programs and merger related costs 2009-Q1/12

### **Diversification Along Geographies And Products**

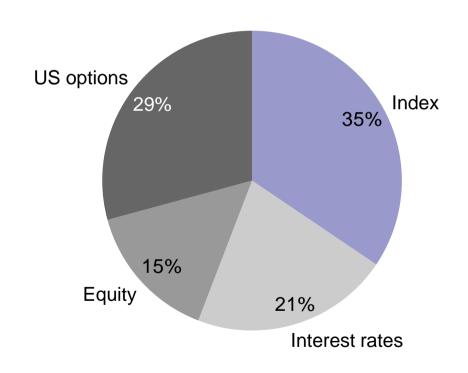
#### Geographic split<sup>1</sup>

Traded contracts Q1/12: 576m



#### **Product split**

Traded contracts Q1/12: 576m



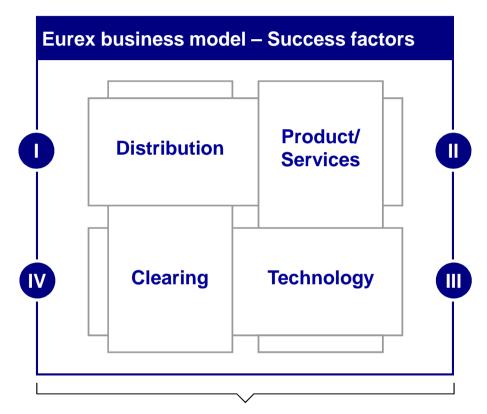
#### Eurex Business Model – Combination Of Four Success Factors

#### **Grow network**

Global distribution reach across geographies and customer target groups

#### Manage risk & settlement

Effective risk management by central clearing with integrated trading and clearing approach



### Add products

Leading benchmark products and broad product/service portfolio across asset classes

#### Scale matching platform

Efficient market operations combined with superior system performance, integrity and resiliency

### Safety, Integrity, Efficiency and Innovation

for the Global Derivatives Market

#### Scale, Diversification, Robustness and Profitability

in business model development

# Derivatives Market Environment – Positioning Eurex For On-going Changes, Addressing Structural Opportunities

#### **Market environment**

#### **Eurex strategic priorities**

- n Looking back unstable environment caused by financial crisis driving trading volumes, times of exceptional volatility and peaks in trading activity
- n Today changing market environment towards more standardized, centrally cleared and tightly regulated market structure
- n Looking ahead changes on-going, steady state not yet reached – industry positioning to address structural opportunities

#### **Expand technological leadership**

Renewal of trading & clearing infrastructure to next generation architecture – backbone in delivering our value proposition across products and services

#### **Extend products and services**

- ... with focus on unregulated and unsecured markets
  - n Strengthen and expand clearing capabilities, advance Eurex Clearing as leading European clearinghouse
  - n Expand Eurex Repo, leading provider in secured funding & securities financing
- ... with focus on energy and new trading products
  - n Acquisition of majority stake in European Energy Exchange (EEX), expansion into power and subsequently gas markets
  - n Growing liquidity pools in dividend and volatility products

#### Increase reach in new customer groups and growth regions

Expand customer network of Eurex into Asia, pursue cooperation opportunities

# Eurex Roadmap 2012/13 – Renewal Of Core Infrastructure, Expansion Across Products And Services

	2012	2013
Products	OTC clearing interest rate and equity Securities lending Eurex Repo – GC Pooling Select	OTC clearing solution enhancements, cross margining listed & OTC
Services	Portfolio risk management Individual/ omnibus clearing model (segregation)	Portfolio risk management Release 2
Infrastructure	New trading system infrastructure Release 1 Network upgrade	New clearing system Infrastructure release 1
Regulation	Actively participate in ongoing regulatory projects within EU/ globally  Complete regulatory readiness of the clearinghouse	

# OTC Clearing of Interest Rates & Equity – Comprehensive Value Proposition For Effective Risk Management And Capital Efficiency

#### **Value Proposition**

- 1 Integrated cross-product and service offering
- 2 Client Asset/Position Protection (segregation)
- 3 Capital efficiency
- 4 Collateral efficiency and eligible collateral
- 5 Proven and robust CCP risk manager

#### **Benefits**

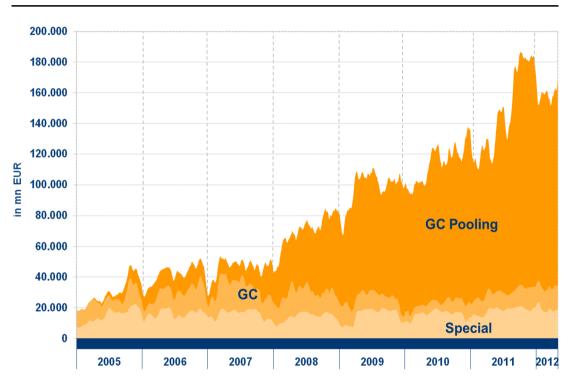
- n One-stop-shop across listed & OTC derivatives, maximum capital & operational efficiencies
- n Netting of regulatory capital under Basel III across cleared products/markets
- n Customer choice of preferred segregation model, tailored to clients' needs
- n Individual Clearing Model (ICM) with maximum protection and portability
- n Margining efficiency Portfolio margining between listed and OTC derivatives
- n 2% counterparty risk weight for individual clearing model
- n Balance sheet netting for positions held at Eurex Clearing
- n Integration into Clearstream Liquitidy Hub, broad portfolio of eligible collateral
- n Re-use of investment portfolio for collateralization
- n Leveraging of repo and securities lending services in development
- n Integrity and stability of Eurex Clearing in case of member default or market crisis scenarios

**Beginning of July 2012: production launch** 

2012/13: solution enhancements

# Eurex Repo – Leading European Provider In Secured Funding And Securities Financing

#### Development of daily outstanding volumes<sup>1</sup>



GC Pooling – European benchmark for secured funding with currently 87 financial institutions and average daily outstanding volumes of more than €125 billion

#### Eurex Repo markets – overview

- Euro Repo market & GC Pooling
- CHF Repo market & OTC spot market
- SecLend market (introduction of CCP service planned for 2012)

#### Average daily outstanding volume end of Q1/12<sup>2</sup>

- **EUR Repo market**: +32% (€157bn)
- GC Pooling market: +33% (€124bn)
- Annual growth rate GC Pooling 2005-2011: ca. +68%

#### GC Pooling – the European benchmark

- n Anonymous, quote-driven market model with Eurex Clearing
- n Collateral management & settlement with Clearstream
- n Re-use of collateral with Bundesbank / ECB
- n Introduction of flexible basket structure to meet upcoming regulatory demand
- n GC Pooling Select Introduction of new segment to re-establish trust and strengthen the relationship between banks and their existing customers

#### **GC Pooling – participants**

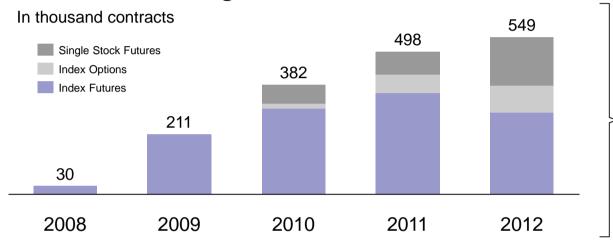
- +34 participants in 2011, +40 participants across Europe in admission process
- n Extension to new client segment GC Pooling Select
- n Expansion to regions outside Europe, in cooperation with Clearstream's Global Liquidity Hub

 <sup>20</sup> day moving average; single counted

<sup>2)</sup> Compared to end of Q1/2011

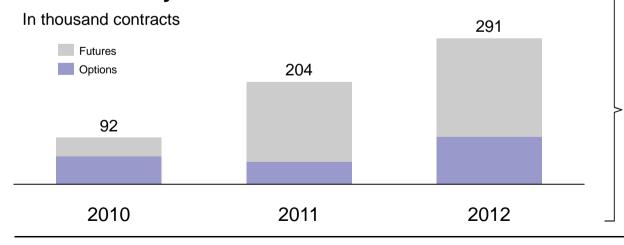
# Products – Strong Growth In Eurex EURO STOXX 50 Dividends And Volatility Derivatives

#### Index dividends/single stock dividends



- n Dividend derivatives allow investors to lock in expected and implied dividends to assure income returns
- Hedging of dividend risk particularly for structured products and equity options
- n Launched 2008 as first Exchange Traded Dividend Derivative contract, liquidity pools successfully developed at Eurex:
  - ~2.2m open interest (April 2012), thereof~0.9m in single stock products

#### Index volatility derivatives



- n Volatility as a key parameter in trading
- n 2011 and 2012 significant volume and open interest growth in futures, options gaining traction
- n Easy and cheap way to insulate the volatility component of the leading European benchmark

### Distribution – Progress In Developing Eurex' Presence In Asia

#### **Achievements**

#### Infrastructure

- n Representative offices set up in Hong Kong, Tokyo and a branch office in Singapore
- n Technical infrastructure improved by installing a new access point in Hong Kong in June 2011

#### Sales

- n 14 Direct memberships plus 1 branch (Dubai: 1+1 branch, Singapore: 3, Hong Kong: 5, Taiwan: 3, Australia: 2)
- n Penetration in new markets initiated: Taiwan (2009), South Korea (2010), India (2010), Mainland China (2011)
- n 24m contracts traded out of Asia in 2011; increase of 14% vs. 2010
- n Launch of the Asia Training & Education initiative in August 2010, with more than 1600 industry professionals trained in Taiwan, Hong Kong, Singapore, India, Japan and Mainland China so far

#### Regulatory

**Product** 

cooperations

- n Relationships with all relevant regulatory bodies established (MAS Singapore, SFC Hong Kong, FSA Japan, ESCA Abu Dhabi, DIFC Dubai, ASIC Australia, SFB Taiwan)
- n Seeking approval for Remote Clearing Membership from Hong Kong and Singapore by mid 2012

- n Korea Exchange (KRX)
  - n Implementation of Eurex/KRX link successfully launched with the listing of Eurex KOSPI Product in August 2010
  - n 18m contracts traded in 2011; ADV of 160,000 contracts year-to-date 2012
  - n 33m contracts traded since launch
- n Other co-operations: Singapore Exchange (SGX) / EURO STOXX 50 derivatives denominated in USD, Tokyo Financial Exchange (TFX) / DAX CFD on TFX; Bombay Stock Exchange (BSE) / SENSEX futures and options on Eurex

# Implementation Of Strategic Priorities Positions Eurex To Realize Objective Within Changing Market Environment

#### **Strategic Priorities**

#### **Expand technological leadership**

Renewal of trading and clearing infrastructure to next generation architecture

#### **Extend products and services**

- ... with focus on unregulated and unsecured markets
- ... with focus on energy and new trading products

#### Increase reach in new customer groups and growth regions

Expand customer network of Eurex into Asia, pursue cooperation opportunities

Safety, Integrity, Efficiency and Innovation

for the global derivatives market

Scale, Diversification, Robustness and Profitability

in business model development

## Agenda

**Group Strategy / Financials** 

**Eurex – Derivatives Market** 

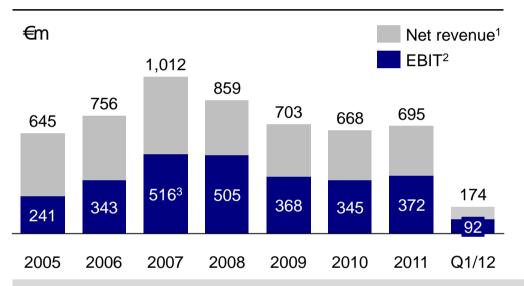
**Clearstream – Custody, Settlement and Collateral Services** 

**Xetra – Cash Market** 

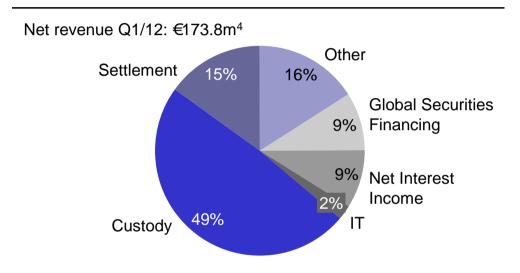
**Market Data & Analytics** 

# New Sources Of Revenue And Strict Cost Control Deliver Growth In Critical Market Conditions

#### Net revenue and EBIT development



#### Breakdown of net revenue by activity



#### **Highlights**

- n Key piece of global financial infrastructure (110 countries, 52 markets) provides platform to drive product penetration
  - n German CSD accounts for less than 20 percent of revenues
- n Primary activity in international OTC fixed income
  - n Leading provider of custody, cross-border settlement, and collateral management services
- n Strong "AA" credit rating profile

- n Uniquely positioned to take advantage of capital market trends:
  - n Target2-Securities: new settlement infrastructure in Europe
  - n Demand for collateral management services
  - n Growth in investment funds including ETFs
- n Established Asian business with Singapore operations hub accounting for 20 percent of ICSD revenue
- n Growing collateral management partnerships with CETIP (Brazil), ASX (Australia), STRATE (South Africa), CDS (Canada), and Iberclear (Spain)

<sup>1) 2005</sup> to 2007 net revenue approximated

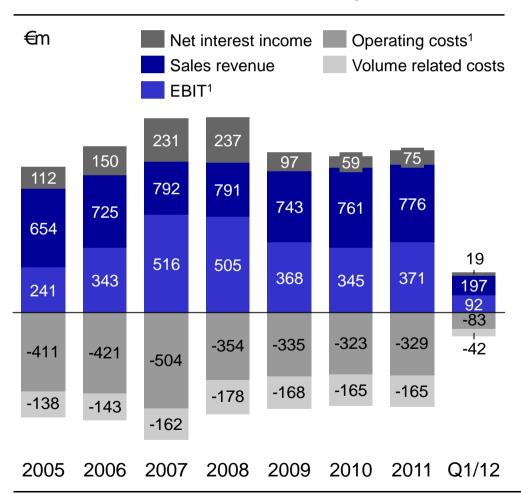
<sup>2)</sup> Adjusted for costs for efficiency programs and merger related costs 2010-Q1/12

<sup>3)</sup> Includes a gain of €121 million relating to sale of buildings in Luxembourg

<sup>4)</sup> Investment Funds Services revenues distributed among the categories

# Strict Cost Management Provides Clearstream With Resilience And Flexibility

### Revenue, Cost and EBIT development

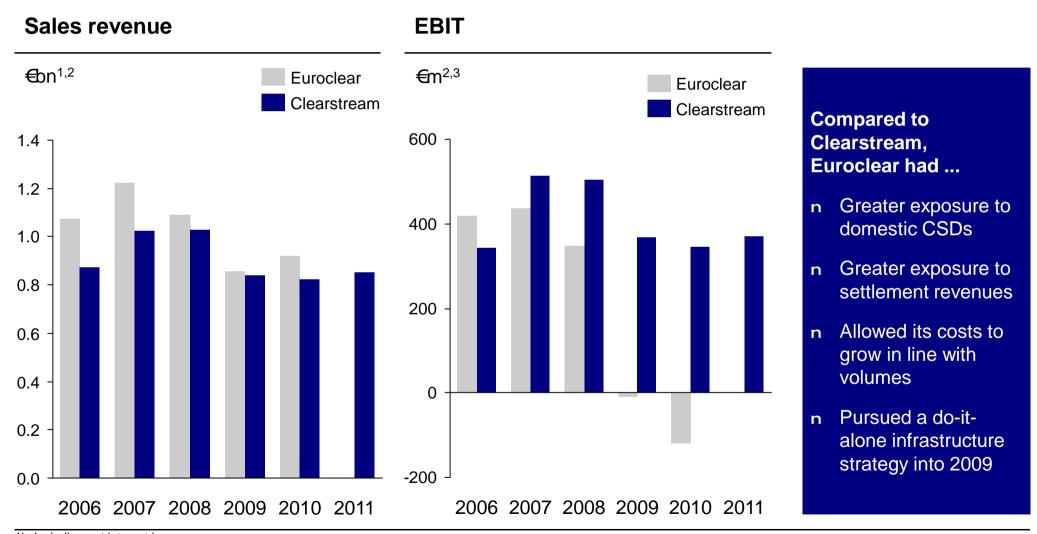


#### **Cost drivers**

- n Cost synergies delivered by the Clearstream integration and the restructuring and efficiency program underpin a consistent cost performance
- n Nearshoring to Clearstream Prague covering just under 170 positions and Singapore with staffing close to 40 as of Q1/12; extension through to 2013 as part of the Group's efficiency measures
- n Cost drivers are variable with volume reflecting a manual component in custody, customer service processing and in commissions paid to third party providers
- n Nonetheless, Clearstream's ongoing cost control has successfully targeted an absolute reduction in the level of fixed costs and a strict control of variable costs

<sup>1)</sup> Adjusted for costs for efficiency programs and merger related costs 2010-Q1/12

## Resilience Compared To Our Main Competitor

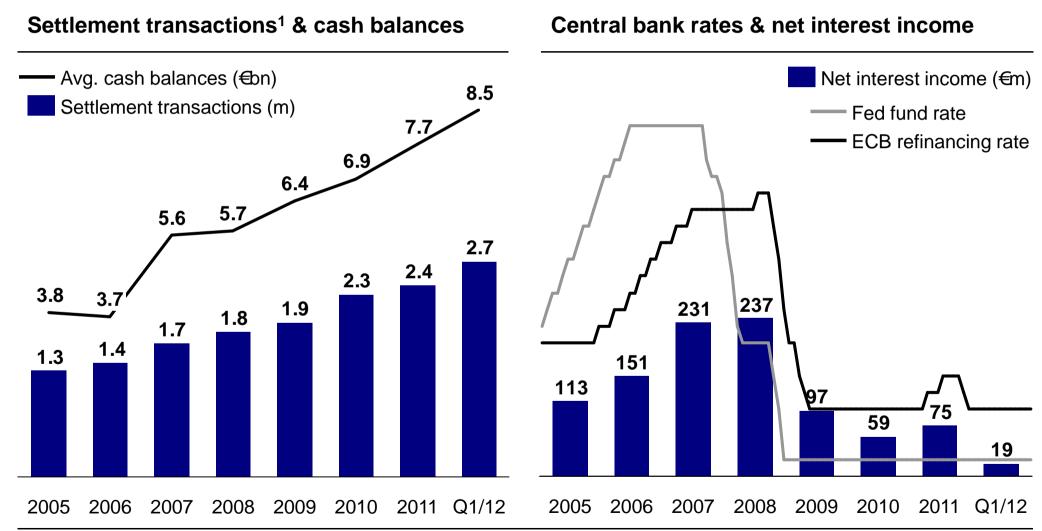


<sup>1)</sup> Including net interest income

<sup>2)</sup> Euroclear plc and Clearstream segment; 2011 data for Euroclear not available

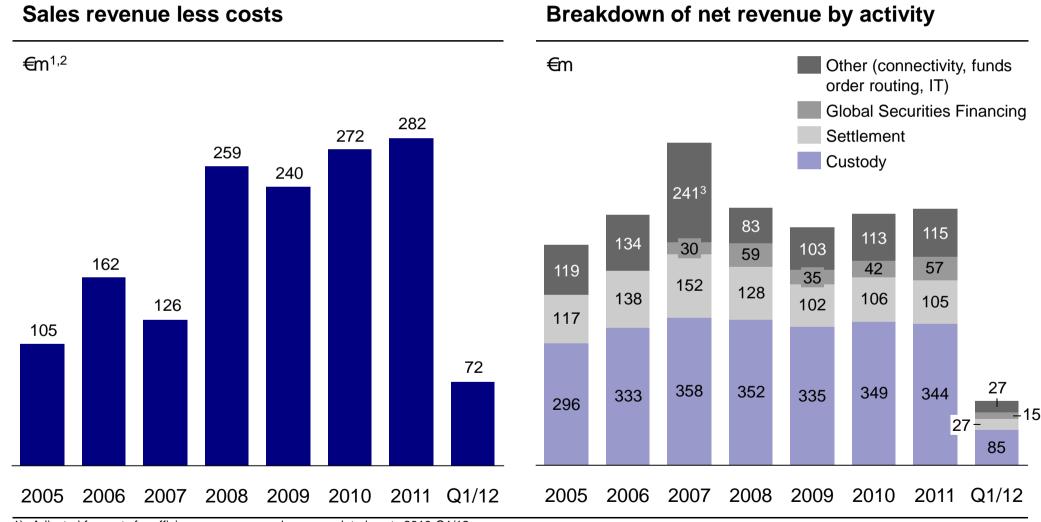
<sup>3)</sup> In 2009 and 2010, Euroclear impaired goodwill on its consolidated CSDs (2009: €184.9m, 2010: €304.5million)

## Cash Balances Benefit From Pro-Cyclicality



<sup>1)</sup> Monthly average international OTC settlement transactions

# Resilient Sales Revenue A Result Of Sustained Product Diversification



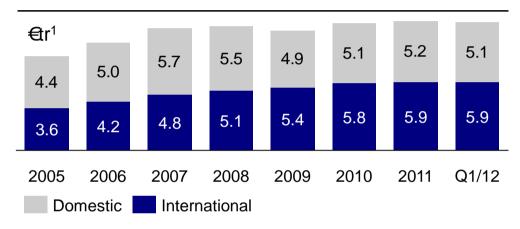
<sup>1)</sup> Adjusted for costs for efficiency programs and merger related costs 2010-Q1/12

<sup>2)</sup> Excluding net interest income from banking business

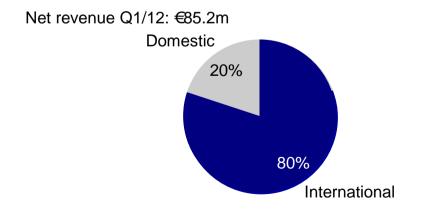
<sup>3)</sup> Includes a gain of €121 million relating to sale of buildings in Luxembourg

## Custody Revenues Are Stable Despite Contracting Market

#### **Assets under custody**



#### Breakdown of custody net revenue



#### International

- n Eurobonds account for ~50% of international assets under custody; net issuance was down 18% globally in this segment in 2011 while at Clearstream it decreased only 3%; an increase in assets under custody of non-German domestic securities has countered this trend
- n In Q1/12 Clearstream's market share of domestic securities was stable in a declining global market
- n Stable custody deposits and the competitive market led to reductions of around 2% of net revenues in 2011, but were mirrored by reductions in agency commissions paid
- n 2012 international custody net revenues are running at 1% below 2011 levels

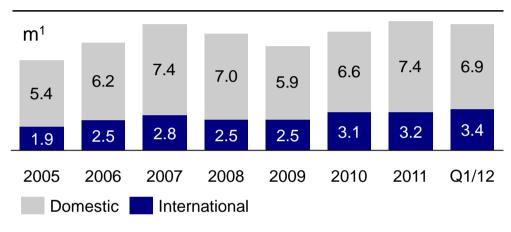
#### **Domestic**

- n The increase in the value of domestic assets on the German CSD platform in 2011 and slight decrease in Q1/12 reflect the equity market trends
- n 2012 domestic custody net revenues are running at around 1% below 2011 levels

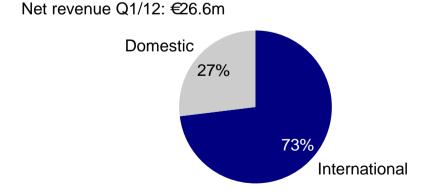
1) Yearly average, quarterly for Q1/12

# Settlement Volumes Reflect Transition From Equity Trading To Repo Activity

#### **Settlement transactions**



#### Breakdown of settlement net revenue



#### International

- n In 2011 Clearstream processed 38 million international transactions, an increase of 2% compared to 2010
- n In Q1/12 settlement transactions decreased by 3% as international stock exchange transactions decreased sharply by 30% due to reduced trading activity in the retail market; OTC business increased by 7% reflecting increased repo activity
- n Net revenue declined by 5% in 2011 vs. 2010 while in Q1/12 it is down 8% vs. Q1/11

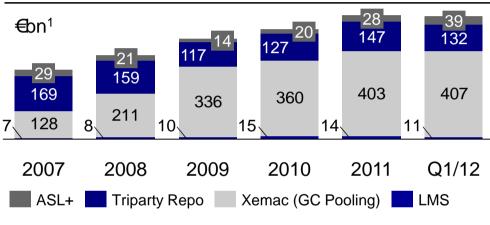
#### **Domestic**

- n On the German domestic market, transaction volume increased by 12% in 2011, with a 9% increase in net revenues
- n In Q1/12 settlement transactions on the German market decreased by 13% due to a decrease in stock exchange transactions by 15% and a decrease in OTC transactions by 8%, both due to reduced trading activity by market participants

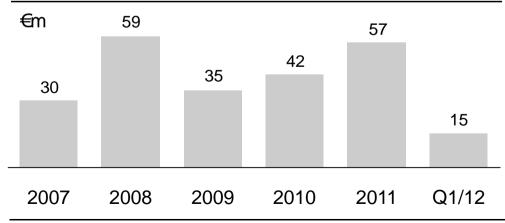
1) Monthly average 43

# Clearstream Has Developed Into A Global Liquidity And Risk Management Hub

#### **Global Securities Financing volumes outstanding**



#### **Global Securities Financing net revenue**



- n Clearstream's collateral volumes have increased constantly since 2001; Clearstream surpassed Euroclear's volumes in 2010
- n Deutsche Börse has established its Liquidity Hub as the leading European liquidity management solution with Euro GC Pooling as the key product in context of financial crisis due to anonymity through CCP
- n The financial crisis has illustrated the success of Euro GC Pooling, while the shorter term impact of LTRO will be to temporarily relieve some collateral pressure
- n Securities lending (ASL+) is set for robust growth and locks lenders as well as borrowers into a core custody relationship with Clearstream
- n Liquidity Hub GO (Global Outsourcing) also drives "Other" net revenue and has a strong pipeline of partners implementing in 2012 and 2013
- n Liquidity Hub drives additional related Settlement and Custody revenues not included in the GSF category

# Upcoming Regulation Provides Business Opportunities For Clearstream

## EMIR/ Basel III/ Dodd-Frank

### **Description**

- Mandatory central clearing of certain standardized OTC derivatives
- Higher capital charges for derivatives contracts not centrally cleared
- n Increased capital charges for unsecured inter-bank lending

## **TARGET2- Securities**

#### **CSDR**

- n Harmonize European settlement landscape into single platform
- n Pan-European licensing and passporting regime for (I)CSDs
- New limitations on banking and value added services

### **Impact**

- Increase in needs for collateral and collateral management systems
  - Different estimates put additional OTC collateral volumes at up to USD2tr
- Collateral becomes more valuable banks and other market participants will invest more to manage collateral efficiently
  - n Market participants lose more than €4bn due to inefficient collateral management
- Commoditization of settlement providing the opportunity to expand reach in domestic foreign and cross-border settlement
  - n Clearstream will start at ~30-40% of T2S settlement volumes, leading to liquidity advantage from the start
- Limitation on banking activity may require additional investment to protect revenue outlook in the 2013 – 2015 period

## Clearstream Positioned To Meet The Needs Of A Market In Crisis

#### **New market dynamics**

Collateral management becomes increasingly important

Settlement liquidity follows collateral management functionalities

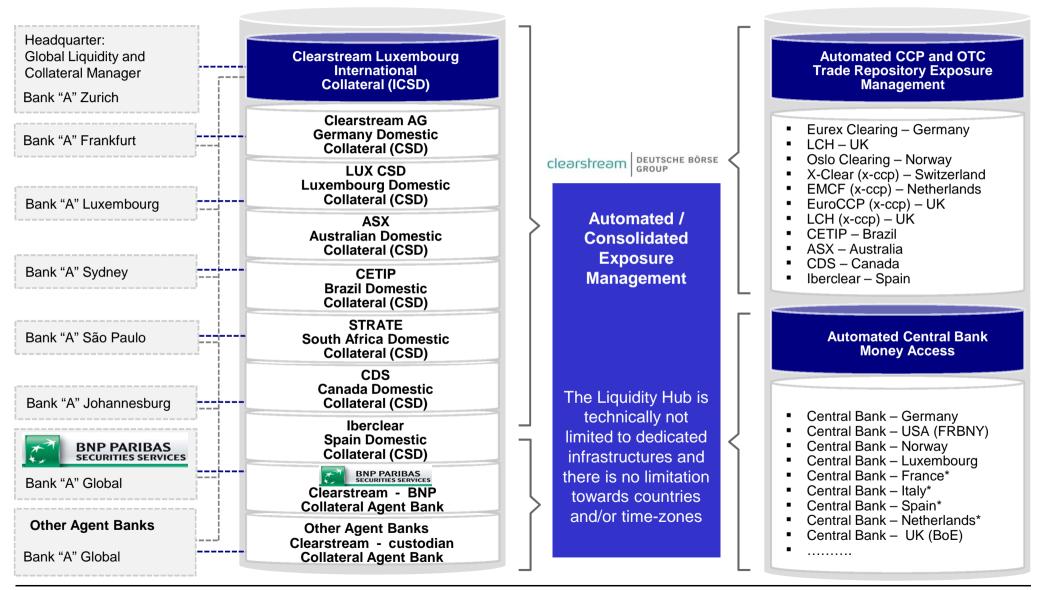
Custody volumes follow settlement liquidity

- n In the past, Euroclear has enjoyed a competitive advantage;
  - n Higher intrinsic settlement liquidity due to large broker/dealers as customers
  - Despite state-of-the-art interoperability, certain frictions persist in the Bridge
- n Given the increasing importance of collateral management, customers will shift settlement and subsequently custody to where they have superior services to efficiently manage collateral
- n Achieving parity in settlement liquidity, **strong customer focus** and **superior client service** will attract customers to Clearstream

## **Cornerstones of Clearstream's strategy**

- Expand collateral management services to allow customers globally to manage their collateral through Clearstream
- n Based on superior collateral management capabilities, customers will shift settlement liquidity neutralizing Euroclear's advantage
- n This will lead to greater custody volumes, putting Clearstream at parity with Euroclear in terms of international assets
- n This is further strengthened by growth strategy in Asia, investment funds and new asset classes

## Future Collateral Management Setup Of Clearstream's Liquidity Hub



## Target 2 Securities Is Beneficial For Clearstream

With T2S, Clearstream will outsource its CBF and LuxCSD central bank money settlement operations to the Eurosystem.

T2S can be leveraged to enable customers to consolidate all T2S eligible assets and collateral within Clearstream:

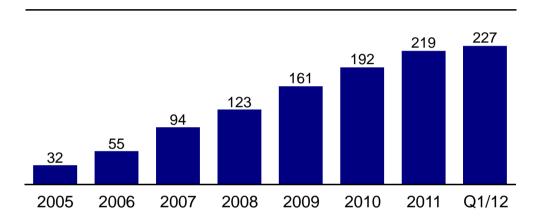
- n Enhanced cross-market interoperability will enable customers to unlock the benefits of the Liquidity Hub across the widest range of Euro denominated securities
- with its German, Luxembourgish and international assets settled in T2S, Clearstream will control ~30 to 40% of T2S settlements<sup>1</sup>
- n T2S presents Clearstream with the opportunity to attract **settlement volume** from smaller, non-aligned CSD
- n Settlement scale, combined with collateral management leadership and value added services will help attract **custody scale**

**Clearstream** is the best positioned **provider** to leverage its size, service offering and custody interoperability to capture significant growth in custody and servicing revenues on assets settled in T2S

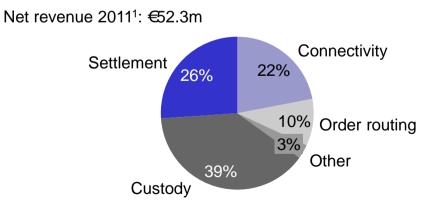
Monthly calculation is based on the current assumption of the ECB that primarily eurozone countries will join T2S; no ICSD volume is included

# With Its Investment Fund Services Offering Clearstream Has A Strong Foundation For Growth

#### **Number of Investment Funds Customers**

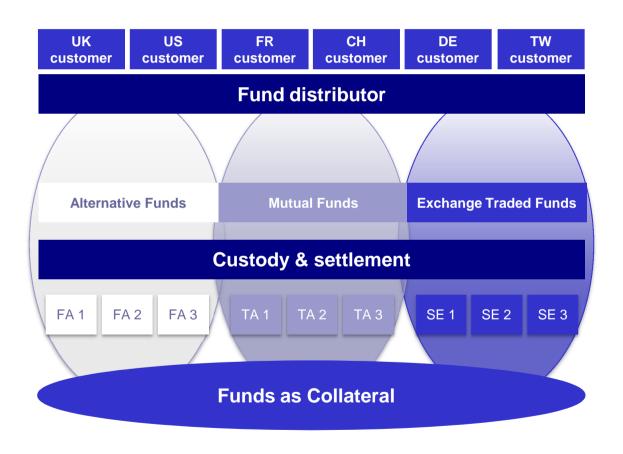


#### Breakdown of Investment Funds net revenue



- The open architecture order routing platform,
   Vestima +, gives access to a wide number of fund distributor clients
- n Clearstream's Central Facility for Funds enables
  Transfer Agents to centralize subscriptions and
  redemptions on one Clearstream account providing
  agents with efficiencies and distributors with access
  to secondary settlement
- n Current strategic investments will provide a foundation to accelerate:
  - n the centralization of funds issuance
  - n the globalization of ETFs in the international funds space

# Becoming The Infrastructure Provider Of Choice For Global Investment Funds



- Immobilization in investment funds still very low compared to other asset classes
- Significant room for growth independent of overall market development
- Improve service offering to increase transparency, handling of extended range of fund types and initial and ongoing transfers
- n Increase potential and reach by allowing offering services for wider range of funds
- n Add capabilities to handle new fund types, especially in terms of manual processing required for hedge fund investors
- Different market structure which requires manual processing, high-quality customer coverage, and flexibility
- n Creates synergies with plain-vanilla funds business by allowing Clearstream to capture entire customer relationship by offering coverage for all fund types

## Collateral Management Leadership As A Basis For Future Growth

- The market's key concerns are capital and liquidity
- Clearstream is the established market leader and we will invest in the **Liquidity Hub** strategy
- The demand for collateral globally is **set to grow significantly** on the back of regulatory initiatives
- The Liquidity Hub connects the **broadest** range of infrastructures to collateral held **inside and outside** Clearstream
- Target 2 Securities becomes an **enabler** of Clearstream's strategy
- The attractiveness of the collateral pool will allow us to **strengthen our position** in our core custody and settlement space

## Agenda

**Group Strategy / Financials** 

**Eurex – Derivatives Market** 

**Clearstream – Custody, Settlement and Collateral Services** 

**Xetra – Cash Market** 

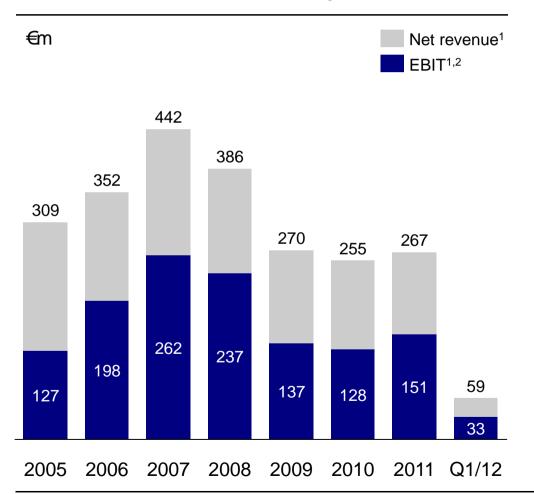
**Market Data & Analytics** 

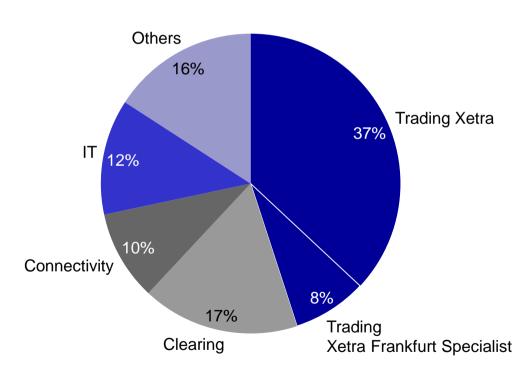
# Xetra Segment Accounted For 11 Percent Of Group EBIT In Q1/2012

### **Net revenue and EBIT development**

### Breakdown of net revenue by activity

Net revenue Q1/12: €59.4 million



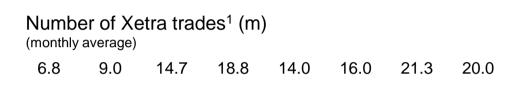


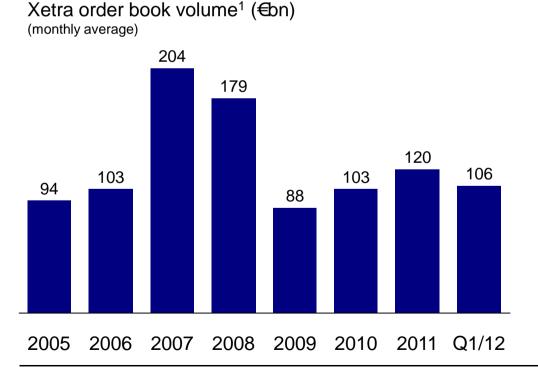
<sup>1) 2005</sup> to 2007 net revenue approximated; 2007 – 2009 adjusted for deconsolidation of Scoach

<sup>2)</sup> Adjusted for costs for efficiency programs and merger related costs

## Trading Revenue Driven By Development Of Order Book Volume

### **Development of cash market volumes**





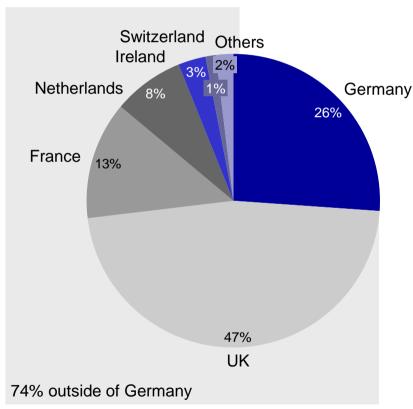
- n Order book volumes in the cash market significantly driven by cyclicality
- n Xetra trades remain on a high level due to increased turnover velocity and reduced order sizes
- n Xetra continues to be a highly efficient price discovery venue with attractive trading conditions
- n Volume contribution of electronically generated trades (i.e. algorithmic trading, smart order routing, electronic market making) remains stable between 45 to 50% (estimate) despite highly volatile market environment

<sup>1)</sup> Frankfurt Stock Exchange trades and order book volume of trading locations Xetra, Xetra International Market and Xetra Frankfurt Specialist, excluding Scoach.

## Customers Outside Of Germany Generate 74 Percent Of Xetra Volume; Dependency On DAX Trading And Clearing Stable

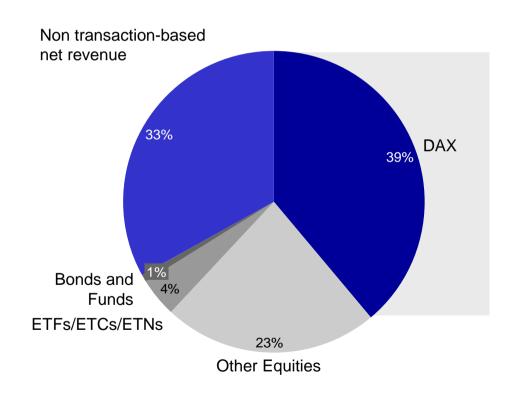
### Xetra trading volume by member country

#### Q1/12



### Net revenue per product line<sup>12</sup>

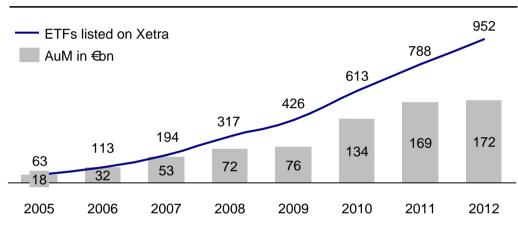
Net revenue Q1/12: €59.4 million



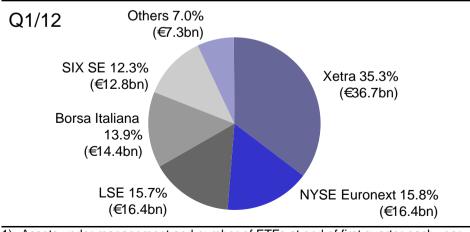
Transaction-based net revenue comprises (a) Xetra and Xontro fees charged for executed orders and other trades (b) Equity CCP fees charged for the clearing, servicing and settlement of transactions, each on net basis after refunds, rebates and credits, and (c) Xetra/Xontro-related transaction-based IT external net revenue.

## Highly Attractive Exchange Traded Fund Product Offering

### Assets under management & number of ETFs<sup>1</sup>



### Market share in European ETF trading<sup>2</sup>



- n Europe's first ETF segment launched in 2000; since then leading platform for ETFs
- n Highest market share in terms of order book turnover and largest product offering in Europe (965 ETFs in April 2012)
- n Offering characterized by:
  - n Efficient trading model and CCP
  - n Attractive market maker program
  - n High transparency standards with indicative net asset value calculation
  - Cross asset class implementation of investment and trading strategies (derivatives, equities and ETFs)
- n Collaboration with regulatory bodies and industry participants to address regulatory concerns and ensure sustained product growth
- n Introduction of annual listing fees in 2012

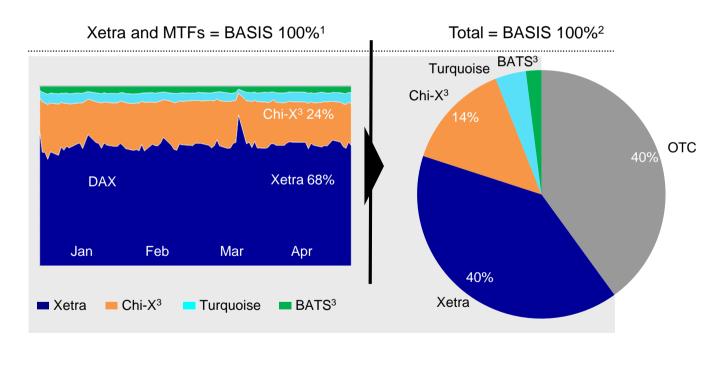
<sup>1)</sup> Assets under management and number of ETFs at end of first quarter each year

<sup>2)</sup> Based on on-exchange order book turnover (Source: Deutsche Börse, NYSE Euronext, LSE, Borsa Italiana, SIX Swiss Exchange)

# Xetra Maintains Strong Position As Most Attractive Venue For German Blue Chips In A Fragmented Environment

### Distribution of German blue chip trading volume

### **Description and outlook**



- n Xetra defends market share in German blue chips and maintains price discovery based on valueadded offering
- n Overall trading activity does not only focus on exchanges and MTFs. A significant part of trading is conducted over the counter (OTC)
- n Ongoing MiFID-review with potential to initiate migration of order flow from current OTC trading to transparent venues with secured post trade infrastructure

<sup>1)</sup> Data provided by LiquidMetrix - LiquidMetrix Workstation



# Strong Position Of Xetra Underpinned By Highly Attractive Market Structure

### **Key Success Factors**

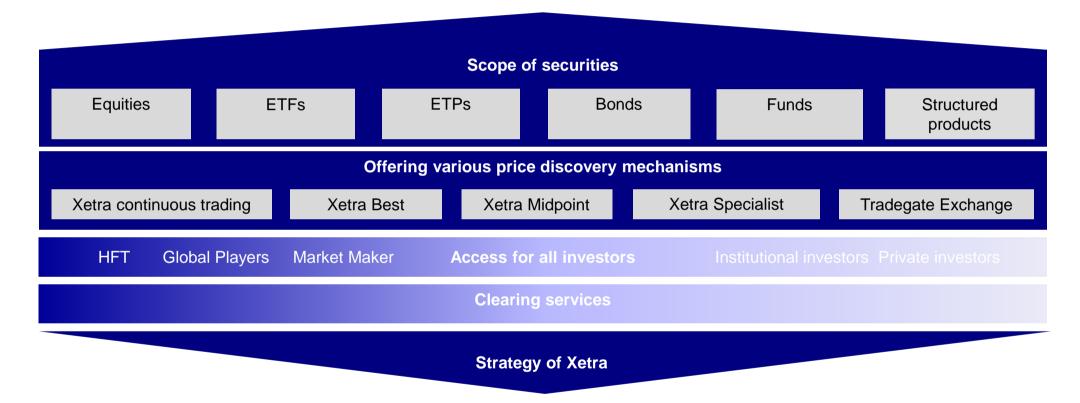
#### **Technology / Connectivity**



#### Regulation

- n Continuous investments in technology to ensure stability and performance. Non-persistent DAX ETS orders processed in 0.7 ms round-trip-time from/to gateway (median)
- n Effective connectivity to retail and wholesale investors results in valuable diversity of order flow
- n Xetra remains trading venue with tightest spreads and largest depth in German stocks acc. to independent research providers
- n Recent introduction of "TOP Order Program" provides very efficient incentive to contribute high-quality liquidity (0.2 bps credit for spread decreasing orders)
- n Implications of current regulatory discussion around market integrity and security already reflected in Xetra offering (surveillance, protection mechanisms / safeguards, rulebook)
- n Xetra agrees to sensible measures in constructive collaboration with authorities and trading members to foster a secure and stable market environment and further growth potential

# Xetra One-Stop-Shop Strategy – Being The Most Attractive And Best Diversified Market In Europe





- 1. Multi asset class offering
- 2. Extract value through different price discovery mechanisms
- 3. Expand distribution

# Summary And Outlook – Xetra Well-Positioned To Generate Sustainable Value And Growth

#### Value / Growth Drivers

- 1 Broadly diversified offering and revenue sources
- n Asset classes
- n Market models
- n Customer types / geographies
- 2 Strong position in German cash equity trading
- n Heterogeneous order flow
- n Price discovery

- 3 Further growth potential
- n OTC market
- n New regions / asset classes
- 4 Effective regulatory position and compliance
- n Well-established and future-proof market integrity and security
- n Participation in regulatory process provides growth potential

## Agenda

**Group Strategy / Financials** 

**Eurex – Derivatives Market** 

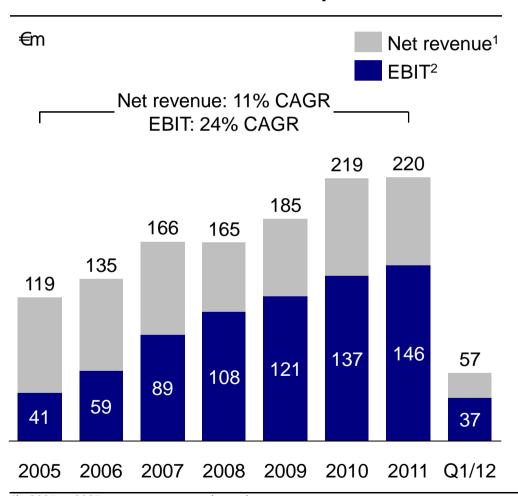
**Clearstream – Custody, Settlement and Collateral Services** 

**Xetra – Cash Market** 

Market Data & Analytics

# Revenue And EBIT Development Underscore Growth Profile Of Market Data & Analytics Segment

### **Net revenue and EBIT development**



- n MD&A based on less volatile revenue drivers compared to trading businesses of Deutsche Börse:
  - n <u>Issuer data</u>: number of issuers and underlyings, trading activity and assets under management
  - Front office data: number of units with access (i.e. legal entities, people, terminals, computers)
  - Mid- and back office data: number of content offerings, subscribers and transactions
- n 55 new products in 2011; ~15 percent of sales revenue generated with products that have been on the market for less than 3 years
- n Buy out of Dow Jones stake in STOXX effective 2010
- n Acquisition of Chicago PMI from Kingsbury in 2010
- n Products serve as a basis for revenue generation in other segments (e.g. DAX future, ETF listings)

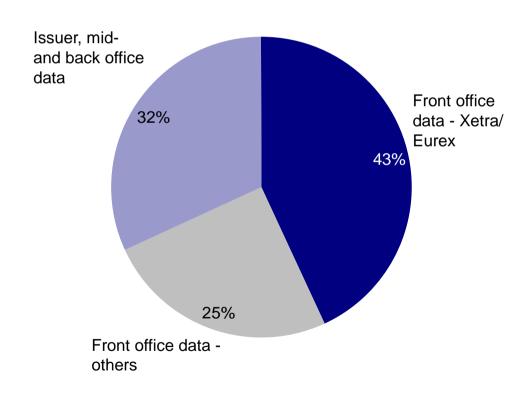
<sup>1) 2005</sup> to 2007 net revenue approximated

<sup>2)</sup> Adjusted for costs for efficiency programs and merger related costs 2010-Q1/12

# Breakdown Of Net Revenue Q1/2012 – Diversified Revenue Stream In Market Data & Analytics

#### Breakdown net revenue by activity

Net revenue<sup>1</sup> Q1/12: €57.0 million



#### Issuer data & analytics incl. STOXX

- n Products: ~11,000 indices ranging from equity, bond, commodity and volatility indices to customized indices; net asset value calculation
- n <u>Customers</u>: issuers of ETFs, investment funds and structured products, market places, clearing houses

### Front office data & analytics incl. MNI, NTKN<sup>1</sup>

- n <u>Products</u>: cash/derivatives pre- (bid/ask, volume) and post-trade data (price, volume); real time trading signals (e.g. macroeconomic news)
- n <u>Customers</u>: asset managers, buy & sell side traders, trading applications, investors, investment advisors

#### Mid- and back office data & analytics

- n <u>Products</u>: historical price data, risk analytics, benchmarks, instrument data, corporate actions
- n <u>Customers</u>: asset managers, risk/compliance offices, custodians, clearing & settlement firms

<sup>1)</sup> Total revenue less volume related costs

<sup>2)</sup> MNI: Market News International; NTKN: Need to Know News

## Trading Signals – Leading Source Of Tradable Content Globally

#### **Strategic Aspirations**

- n Become an independent leading source of tradable content for capital market stakeholders worldwide
- n Expand distribution network for existing and new content globally
- n Create new innovative trading signals and triggers

#### Achievements in 2011 & Q1/12

- n Launch of AlphaFlash Global Treasury Auctions
- n Expansion of connectivity to AlphaFlash into data centers in Sao Paulo and the CME data center in Chicago
- n Launch of Eurex ICAP Swapspreads
- n Integration and relaunch of Chicago PMI
- n Acquisition of IP as well as data history of the China Consumer Sentiment Survey from Intrage

#### Outlook 2012 & 2013

- n Introduction of AlphaFlash
  Trader
- n Launch of MNI Indicators: MNI China Consumer Sentiment Indicator and MNI China Business Sentiment Indicator and others
- n Rollout of rating data on AlphaFlash
- n Launch of new trading signals and triggers, e. g. sentiment indicators or orderbook analytics

# Indices And Benchmarks – Global Roll-out Of STOXX Index Operations

### **Strategic Aspirations**

- n Become recognized leader for tradable indices worldwide
- Position global family and associated datasets in the benchmarking world (buyside)
- n Generate substantial revenues in all regions across the globe, especially from new clients operating out of the US and Asia

#### Achievements in 2011 & Q1/12

- n Introduction of the new global family of STOXX
- n Launch of innovative strategy indices, e. g. risk controlled indices
- n Acquisition of 200 new buyside clients
- n Specification of new index platform and kick-off of development project

#### Outlook 2012 & 2013

- n Migration to new index development and calculation platform (Indexium)
- Rollout of new and innovative indices across the global index family
- n Delivery of client group specific indices and solutions
- n Acquisition of index partnerships in emerging markets

## Agenda

10.00	Group Strategy / Financials Reto Francioni, Chief Executive Officer Gregor Pottmeyer, Chief Financial Officer	13.15	Xetra – Cash Market Frank Gerstenschläger Member of the Executive Board
	Eurex – Derivatives Market Andreas Preuss Deputy Chief Executive Officer		Market Data & Analytics Andreas Preuss Deputy Chief Executive Officer
	Clearstream – Custody, Settlement and Collateral Services Jeffrey Tessler Member of the Executive Board	14.00	Q&A Session
12.15	Lunch Break	15.00	End of Event

## Financial Calendar And Contact Details

Financial C	alendar	Contact Details	
26 Jul 2012	Interim report Q2/12	Deutsche Börse AG Investor Relations	
27 Jul 2012	Analyst & investor conference Q2/12	Mergenthalerallee 61	
29 Oct 2012	Interim report Q3/12	65760 Eschborn	
30 Oct 2012	Analyst & investor conference Q3/12	Germany	
		Phone: +49-(0) 69-2 11-1 24 33	
		Fax: +49-(0) 69-2 11-1 46 08	
		E-Mail: <u>ir@deutsche-boerse.com</u>	

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